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Undergraduate Catalog : 2008-2009

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**UNDERGRADUATE CATALOG
OF THE
UNIVERSITY OF SOUTH FLORIDA
ST. PETERSBURG
2008-2009**



UNIVERSITY OF
SOUTH FLORIDA

ST. PETERSBURG

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University Administration

University Board of Trustees

The USF Board of Trustees was established by the Legislature in 2001. The 13 trustees include distinguished figure in the law, commerce, medicine, education, philanthropy and public policy leadership. Six trustees are appointed by the governor and five trustees are appointed by the Board of Governors. The Faculty Senate President and Student Body President also serve as trustees. The President of the University serves as Corporate Secretary. Information about each Trustee is available online at: <http://usfweb2.usf.edu/board/members.html>

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ACCREDITATION

What is accreditation?

Accreditation is intended to assure stakeholders, students and the general public of the quality and integrity of higher education institutions and programs. Through a continuous improvement process, accreditation also assures that the programs at the institutions are constantly advancing. These outcomes are achieved through rigorous internal and external review processes during which the institution is evaluated against a common set of standards.

SACS

The University of South Florida St. Petersburg is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees at the baccalaureate, master's, and doctoral levels.

AACSB

The College of Business is accredited by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB International is the premier accrediting agency for bachelor's, master's, and doctoral degree programs in business administration and accounting, and as such is the most widely-recognized and sought-after endorsement of business schools. Less than one-third of U.S. business school programs and only 15 percent of business school programs worldwide meet the rigorous standards for AACSB accreditation.

NCATE

The College of Education was unanimously approved by the Unit Accreditation Board as a candidate for national accreditation by the National Council for Accreditation of Teacher Education (NCATE), the national accrediting body for schools, colleges, and departments of education authorized by the U.S. Department of Education. NCATE determines which schools, colleges, and departments of education meet rigorous national standards in preparing teachers and other school specialists for the classroom.

UNDERGRADUATE DEGREES OFFERED

BACHELOR OF ARTS (B.A.)

Accounting
 Anthropology
 Criminology
 Economics – Arts and Sciences
 Economics - Business
 Elementary Education
 English
 English and American Literature
 Finance
 General Business Administration
 Professional and Technical Writing
 Geography
 Government and International Affairs
 Political Science
 History
 Individualized Interdisciplinary Honors Research/Comparative Studies
 Information System Management
 Interdisciplinary Social Sciences
 Management
 Marketing
 Mass Communications with Journalism and Media Studies Concentrations
 Psychology

BACHELOR OF FINE ARTS (B.F.A.)

Art – Graphic Design Concentration

BACHELOR OF SCIENCE (B.S.)

Accounting
 Economics - Business
 Elementary Education
 Environmental Science and Policy
 Finance
 General Business Administration
 Information Systems Management
 Management
 Marketing
 Varying Exceptionalities

The University of South Florida and all colleges, departments and programs therein establish certain academic requirements that must be met before a degree is granted. These requirements concern such things as curricula and courses, majors and minors, and academic residence. Advisors, directors, department chairs, and deans are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them. At the end of a student's course of study, if requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for all students to acquaint themselves with all regulations and to remain currently informed throughout their college careers and to be responsible for completing requirements. Courses, programs, and requirements described in the catalog may be suspended, deleted, restricted, supplemented, or changed in any other manner at any time at the sole discretion of the University and the USF Board of Trustees.

ACADEMIC CALENDAR

August 2008-July 2009

The Academic Calendar is available online at: <http://www.registrar.usf.edu/enroll/regist/calendrt.php#0708>

The Registrar's Calendar is available online at: <http://www.registrar.usf.edu> for semester begin/end dates, registration dates, graduation application deadlines, etc. Refer to the [Cultural and Diversity Calendar](http://usfweb2.usf.edu/eoa/deo_calendar/default.asp) at http://usfweb2.usf.edu/eoa/deo_calendar/default.asp for important religious and cultural dates to remember that may impact class attendance. Also refer to the USF Attendance Policy for the Observance of Religious Days by Students, at http://usfweb2.usf.edu/usfgc/gc_pp/acadaf/gc10-045.htm.

2008

August 8	Summer B, last day of classes
August 9	Summer Commencement, Tampa
August 25	Fall, first day of classes
September 1	Labor Day
November 11	Veteran's Day
November 27 & 28	Thanksgiving Holiday
December 5	Fall, last day of classes
December 6- 12	Final Exam Week
December 14	Fall Commencement, USF St. Petersburg
December 25	Christmas Holiday

2009

January 1	New Year's Holiday
January 5	Spring, first day of classes
January 19	Martin Luther King, Jr.
March 16- 21	USF Spring Break
April 24	Spring, last day of classes
April 25 - May 1	Spring Final Exams
May 3	Spring Commencement, USF St. Petersburg
May 11	Summer A & C, first day of classes
May 25	Memorial Day
June 19	Summer A, last day of classes
June 29	Summer B, first day of classes
July 3	Independence Day Holiday
July 17	Summer C, last day of classes

USF St. Petersburg Mission, Goals, Values and Vision

Mission

USF St. Petersburg offers distinctive graduate and undergraduate programs in the arts and sciences, business, and education within a close knit, student-centered learning community that welcomes individuals from the region, state, nation and world. We conduct wide-ranging, collaborative research to meet society's needs and engage in service projects and partnerships to enhance the university and community's social, economic and intellectual life. As an integral and complementary part of a multi-campus university, USF St. Petersburg retains a separate identity and mission while contributing to and benefiting from the associations, cooperation, and shared resources of a premier national research university.

Values

- We value a collegial, inviting, and safe learning environment that stresses excellent teaching, encourages intellectual growth, and rewards academic achievement.
- We value an education rich in both theory and practical experience that enables our graduates to pursue careers and professions with competence and confidence.
- We value collaboration throughout the campus community in scholarship, research, and service.
- We value individuals, respect their diversity and varied perspectives, and insist on tolerance of divergent views.
- We value academic freedom and responsibility, creative expression, and the unfettered pursuit of truth.
- We value deliberative dialogue in making decisions and solving problems.
- We value shared governance and shared responsibility in the operation of the university and the allocation of its resources.
- We value honesty, integrity, and openness while promoting ethical behavior.
- We value lifelong learning and recognize our responsibility to contribute to civic well-being.
- We value longstanding, continuing partnerships that unite and benefit both the campus and community.
- We value efficient, trustworthy and able stewardship of our university.

Vision

Guided by its mission and values, USF St. Petersburg commits itself to leadership in education, research, and outreach on behalf of the people and communities it serves.

USF St. Petersburg will develop academic programs known for excellence and distinctiveness that focus on interdisciplinary study, creativity, and exploration. We will provide the means and environment to ensure that our graduates acquire the skills and aptitudes for lifelong learning and achievement.

USF St. Petersburg will move aggressively and strategically to enhance existing academic programs and anticipate and address future needs by developing new initiatives determined by community-based educational priorities.

Our vision includes:

- Graduate and undergraduate degree programs known for accomplishing defined learning outcomes that strive to meet the highest of academic standards
- Academic, student, and support operations that is caring, personal, and service-oriented
- Enhanced opportunities for community-based research, service, and learning
- Campus and community participation in decision-making and planning
- First-class, up-to-date learning facilities and technology
- Increased external support for scholarships, grants, and academic initiatives

Goals

- Strengthen governance structures and processes, achieve academic autonomy, and earn separate institutional and program accreditations that signify the campus meets the highest standards of higher education.
- Establish a national and international academic reputation by developing distinctive programs; by enhancing established, existing academic programs; and by establishing new initiatives based on educational priorities.
- Create a campus life that challenges, supports, and encourages student involvement in activities and programs that will enrich and enhance students' university experience and empower them for lifelong success.
- Promote, strengthen, and support research as a pathway to learning, discovery, solving problems, and contributing to the public good.
- Create a campus culture that in its composition, attitudes and actions, respects, encourages, and embodies diversity.

- Increase the enrollment of students with the credentials and commitment to excel and provide them with the instructional support and services to allow them to realize their fullest potential.
- Provide for new and enhanced facilities and technology that support the campus's mission and that advance teaching, learning, and discovery.
- Increase individual, corporate, and foundation support to accomplish strategic goals for the benefit of both students and the community.

Approved by the USF St. Petersburg Campus Board on February 24, 2003

About USF St. Petersburg

USF St. Petersburg is the oldest and largest regional campus of USF, and it offers a wide range of complete programs in undergraduate and graduate studies. Classes are small and students receive individual faculty attention and a full array of services. Flexible scheduling and affordable tuition allow students of all ages to accommodate family, work, and school in a balanced fashion.

- USF St. Petersburg values each and every individual it serves, creating a welcoming and nurturing environment for all who come to campus.
- Located along the waterfront of Bayboro Harbor, USF St. Petersburg is considered one of the loveliest and most inviting campuses in the nation. The campus also borders the downtown area's museums, galleries, performing arts venues, and theaters. Its cultural programming is outstanding, with frequent public lectures and exhibits. Additional events often are sponsored through the Florida Humanities Council that is headquartered on campus. USF St. Petersburg also is at the center of a medical and scientific research hub that includes pediatrics and marine science.
- USF St. Petersburg's honors program challenges and enhances the quality education normally generated by the campus. Through the Science Journalism Center, USF St. Petersburg offers exciting programs that merge both disciplines to convey the latest scientific breakthroughs to the public.
- The campus is known also for its ethics programs. The Program for Ethics in Education and Community infuses the teaching of ethics throughout the curriculum and beyond through a popular public lecture series. It also actively engages with the school system and the Stavros Institute in providing character education to all Pinellas students. Through its service learning program, the campus creates many community service opportunities that build character as well as résumés.
- The Nelson Poynter Memorial Library is known for its quality collections and excellent customer service. As part of the USF Library System, it offers cooperative access to over 1,500,000 volumes as well as outstanding electronic resources. Its special collections include signed documents of U.S. presidents, fine first editions of the writings of Mark Twain, a renowned collection of natural history illustrations, and significant archives in local and regional history.
- As a research university, USF is a catalyst for economic development and for the application of new knowledge to industry. The College of Marine Science, located adjacent to USF St. Petersburg, is recognized nationally and is one of the top research and grant award recipients in the entire State University System.
- The campus, in cooperation with the YWCA of Tampa Bay, opened a much-needed day-care center so students with children can have their child-care needs met while they attend class. USF St. Petersburg students majoring in early childhood education also intern at the center so they can apply in a practical way what they learn in the classroom. The YWCA/USF Family Village is a terrific example of a university/community partnership that benefits both groups enormously.
- The USF women's sailing team is establishing a national reputation and ranking. It is the first varsity team based at USF St. Petersburg.

Facilities and Atmosphere

USF St. Petersburg sits on 46 acres, much of it bordering tranquil Bayboro Harbor. The campus features many inviting walkways and outdoor alcoves in which to study. Students can enjoy an outdoor pool that is heated in the winter or take part in the waterfront program that includes sailboats, kayaks, and canoes. A full-service fitness center, racquetball courts, and a gymnasium are available as well. The campus

atmosphere is informal. On occasion some classes are even held outside to take advantage of the area's extraordinary climate (average annual temperature is 72°F). Most buildings have open hallways, which blend colorful interiors with spacious exteriors, symbolically and architecturally suggesting the casual accessibility that has become a USF St. Petersburg trademark.

Equal Opportunity Policy

It is the goal of the University to create and maintain a work and study environment free of discrimination. Discrimination on the basis of race, color, sex, marital status, religion, national origin, Vietnam or disabled veteran status, handicap, or age is prohibited by University policies, and federal and state laws. Any person who believes that he or she has been subjected to discrimination may file a complaint with the Office of Equal Opportunity Affairs, ADM 274. The telephone number is (813) 974-4373. It shall be prohibited for any employee of USF to discriminate or take retaliatory action against any individual who, in good faith, has opposed an alleged unlawful practice or has made a charge, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing under the provisions of applicable law.

Guide to Resources for Students With Disabilities

All University programs, events, and services are open and available to persons with disabilities. The University of South Florida is committed to the principles of Equal Educational and Employment Opportunities without regard to disability.

Academic Assistance for Students with Disabilities: Student Disability Services (SDS) exists to ensure that students with disabilities have the technical, academic, and emotional support necessary to achieve academic and personal success at the University of South Florida St. Petersburg. Course related assistance and academic accommodations are provided to eligible students with documented disabilities. Services may include advocacy, reader services, interpreters, alternate exam administration, and note takers. Adaptive equipment, such as FM systems, large print computer access, and Visualteks, is available for student use in Poynter Library. Students are encouraged to contact the Office of Student Disability Services (TER 200 – Phone (727) 873-4990) as early as possible prior to enrollment to make arrangements for appropriate services.

Admissions: Students with disabilities apply under the same guidelines as other students. If a student believes that his/her disability has had an impact on grades, course choice, or standardized test scores for admission, he/she may request consideration of this in the admissions process.

Course Substitution: Students with disabilities requesting substitution of course work for General Education, foreign language requirements, or CLAST should contact the Coordinator of Student Disability Services. Students with declared majors requesting substitution of departmental graduation requirements will need to contact the chair of their department. In either case, students will be requested to submit documentation to support their requests for exceptions.

Disabled Parking: Students with state parking privileges need only supply their state card as documentation for eligibility for a USF St. Petersburg disabled parking hangtag/sticker. Students without state privileges need medical documentation to be considered for on-campus disabled parking.

Students with disabilities are encouraged to participate fully in all University events, programs, and other campus activities. Information on whom to contact to request accommodation or assistance should be listed on program information and advertisements. Anyone who is unable to secure the requested assistance or need additional help with accessibility should contact the Office of Student Disability Services.

The following offices arrange academic accommodations and assistance for students with disabilities:

USF St. Petersburg
 Student Disability Services Office
 Location/Phone: TER 200 (727) 873-4990
 Florida Relay 711
 Hours: Monday – Thursday, 8:00 a.m. – 6:00 p.m.
 Friday, 8:00 a.m. – 5:00 p.m.

ADMISSIONS AND RELATED MATTERS

Admission to USF St. Petersburg requires evidence of academic ability, creative thinking skills, and strong motivation. The minimum admission requirements are designed to help identify applicants whose

academic background indicates potential for success at USF St. Petersburg; however, satisfaction of minimum admission requirements does not guarantee acceptance. The admission of new students at all levels is made on a selective basis within curricular, space, and fiscal limitations. The selection process may include such factors as grades, test scores, pattern of courses completed, class rank, educational objectives, past conduct, school recommendations, personal recommendations, and portfolios. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success.

The University encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. In the admission process, there is no discrimination on the basis of these factors or on the basis of disability. Applicants who do not meet minimum admission requirements will be considered for admission when there is sufficient evidence to suggest ability to do satisfactory work at USF St. Petersburg. These policies are further described under "Applying for Admission" and "Requirements for Admission."

The University supports equal educational opportunity for disadvantaged students. Requests for waiver of the \$30.00 application fee are considered by the Director of Admissions & Records if payment of this fee creates severe financial hardship and serves as a deterrent to application.

Students are admitted to USF St. Petersburg in accordance with the mission and goals of the University and within enrollment limitations established by the Board of Education and the Florida Legislature.

Admissions and Records

Location/phone: BAY 102 – (727) 873-4142
140 Seventh Avenue S., St. Petersburg, FL 33701
Web address: <http://www.stpt.usf.edu/admissions>

The Office of Admissions & Records at USF St. Petersburg provides a wealth of student, academic, and administrative services. In cooperation with the Office of Admissions and the Registrar's Office at the Tampa campus, this office is responsible for maintaining each student's academic record from the time of admission to degree. Therefore, virtually every USF St. Petersburg student is a consumer of services provided by the Office of Admissions & Records.

The Office of Admissions & Records staff coordinate registration and drop/add activities, process and distribute grade information each semester, prepare transcripts and diplomas, as well as certify student enrollment status. Admissions & Records staff also review and act upon student requests for reclassification of residency and process changes to specific aspects of the student record. Students interested in petitioning the St. Petersburg Academic Regulations Committee (SPARC), requesting late registration, late drop or posting of grade forgiveness will find information and forms in the Office of Admissions & Records. These forms can also be found on the Admissions & Records web-page. Students wishing to keep their directory information private can find the necessary form at the Office of Admissions & Records.

The Office of Admissions & Records provides information and services to students via OASIS, the University's **Online Access Student Information System**. Online technology services are also available over the telephone and on the Web. Using their self-declared personal identification number (PIN), students can register and drop/add, access registration appointment and hold information, and view their grades. Students can also browse the University Schedule of Classes. Information and services are continually being added for students.

Although technology is being used to provide service that is available 24 hours a day, Admissions & Records staff provides in-person information and services on campus as well as over the telephone. Records and Registration offices are also located on every USF campus.

Applying for Admission

Obtaining an Application

The USF online application is hosted on the FACTS (Florida Academic Counseling and Tracking for Students) website: <http://www.facts.org>. FACTS.org is a central web resource for students to plan and manage their higher education experience. FACTS.org includes Florida community colleges and private and public universities and is described as "Florida's online gateway for college information."

Online application instructions:

- Click the Apply Online link below to go to the FACTS.org site.
- Click the "Admissions" link in the left hand column.
- Review the Admissions Application instructions.
- Create your FACTS login.
- Choose to apply to the University of South Florida.

- Complete the online application by selecting USF St. Petersburg; then print and follow the Final Application Steps listed on the Confirmation Page.
Apply online at <http://www.facts.org>.

As part of the State University System (SUS) of Florida, USF St. Petersburg uses the common SUS Application Form for undergraduates. Applicants who are attending Florida high schools or Florida community/junior colleges may obtain the SUS Application Form in school guidance offices. The USF International Student Application for Admission, as well as the SUS Application, may be requested from the Office of Admissions & Records, BAY 102, 140 7th Avenue South, St. Petersburg, FL 33701. All of the application forms are also available on all USF campuses. (When requesting an application, please indicate applicant category - freshman, undergraduate transfer, or international student.) Applications can be requested by phone, toll-free at 877-USF-BULL or by e-mail at admissions@stpt.usf.edu. Application forms may also be downloaded from <http://www.stpt.usf.edu/admissions/application.html>.

When to Apply

Applications for admission are accepted as early as 12 months before the requested entry term. Applications for admission and the \$30.00 non-refundable application fee should be submitted by the priority date (see academic calendar) for the requested entry term or by the application deadline for the requested degree program (see specific program in this catalog), whichever is earlier. Applications for admission and application fees from international students (non-resident aliens) must be received at least five months prior to the requested entry term. Applications submitted after the priority date will be accepted, but processing for the requested term of entry cannot be guaranteed.

Who Should Apply

An application for admission must be submitted by all students who have not been admitted to and enrolled in a USF degree program within the last three terms. Former or continuing USF degree-seeking students must file another application for admission when applying for a second degree program, another level of study or readmission (see Readmission).

The Director of Admissions & Records may waive payment of the application fee for disadvantaged applicants if the fee serves as a deterrent to application.

Changing Requested Term of Entry

Applicants may update their application for admission for up to one year from the originally requested semester of admission. All requests for changes of entry term must specify any academic work attempted that was not reflected on the original application and must be received by the appropriate published application deadline for the new term of entry or degree program specified whichever is earlier. Additionally, any issues related to criminal or academic misconduct that were not reflected on the initial application must be reported in writing to the Office of Admissions & Records. A new application and fee must be submitted when applicants wish to be considered for admission for a term that begins more than 12 months after the originally requested entry term.

An applicant who requests a new entry term must meet the admissions requirements in effect for the new term requested. Entry for some programs is limited to specified terms.

General Admission Policies

Transcripts and other admission documents

All official transcripts, test scores, and any other required credentials must be received directly from the issuing agencies. It is the applicant's responsibility to initiate the request for credentials to the issuing agencies and to assure their receipt by the USF St. Petersburg Office of Admissions & Records. (See "Minimum Requirements for Admission" below for information concerning required documentation.)

All credentials and documents submitted become the property of USF St. Petersburg. The originals or copies of the originals will not be returned to the applicant or forwarded to another institution, agency, or person.

Provisional Admission

An applicant admitted on a provisional basis must submit the requested missing credentials, such as official final transcripts or test scores that substantiate eligibility for admission before a second registration will be permitted.

Applicants who do not meet standard Board of Education minimum admission requirements may be admitted to the University on academic probation. Students admitted on probationary status must accumulate 30 semester credits and maintain a minimum cumulative 2.0 grade point average (GPA) each

term enrolled with no single term GPA below a 1.0 before the probationary status is removed. (A term GPA below 2.0 in the first term of enrollment results in permanent academic dismissal.) Advising is mandatory prior to registration. Failure to meet these conditions results in permanent academic dismissal from the University.

Non-degree Seeking Status

Performance in courses taken as a non-degree-seeking student will not qualify an applicant for admission as a degree-seeking student. Similarly, courses taken as a non-degree-seeking student will not be utilized in determining an applicant's grade point average for purposes of admission.

A non-degree-seeking (special) student who has been dismissed from USF is not eligible for admission to USF as a degree-seeking student at the undergraduate level. If extenuating circumstances contributed to the academic dismissal and the student meets other admissions requirements, a request for waiver of this rule may be submitted to the USF Faculty Committee on Student Admissions. This rule does not apply to a student who has earned a degree from a regionally accredited institution subsequent to academic dismissal.

Freshman and undergraduate transfer applicants denied admission to USF as degree-seeking students will not be permitted to enroll as non-degree-seeking (special) students.

Admission Denials

Receipt of final official credentials which fail to substantiate eligibility will result in rescission of admission, reclassification to non-degree status, and denial of continued enrollment in subsequent terms.

An undergraduate applicant who is denied admission may be eligible to appeal and will be advised of applicable appeal procedures by the Office of Admissions & Records.

An application for admission or a residency affidavit submitted by or on behalf of a student that contains false, fraudulent, or incomplete statements may result in denial of admission, further registration and/or degrees awarded.

The University may refuse admission to a student whose record shows previous misconduct not in the best interest of citizens of the University community.

Required Summer Term Attendance

All students entering the University with fewer than 60 semester hours of college level academic work are required to earn at least 9 semester hours during one or more Summer terms prior to graduation. This requirement may be waived for students who earn a minimum of 9 credits through accelerated mechanisms (Advanced Placement, Advanced International Certificate of Education, CLEP, International Baccalaureate and Baccalaureate and dual enrollment). If less than 9 credits are earned through these mechanisms, the summer hours requirement will not be fulfilled.

CLAST Test Requirement

All undergraduate students admitted to USF must earn passing scores, meet exemption criteria or qualify for a waiver on all four sections of the College Level Academic Skills Test (CLAST) prior to receiving an A.A. certificate or baccalaureate degree from the University. Transfer students entering USF with fewer than 45 transferable semester hours must take CLAST during the term in which 45 semester hour will be completed. Transfer students entering USF with 45 or more transferable semester hours must take CLAST the first term it is offered after initial enrollment.

Required Orientation

Prior to beginning classes, all new undergraduate students and some former students returning are required to participate in an Orientation/Academic Advising/ Registration program at USF St. Petersburg. This program is designed to help new students become acquainted with the University, choose courses, register for classes, and complete all other necessary procedures. New students receive Orientation/Academic Advising/ Registration information after admission.

Required Proof of Immunity

Prior to registering for classes, *all* students born after 1956 are required to present documentation of proof of immunity to **MEASLES** (Rubeola) and **RUBELLA** (German Measles). It is further required that all students must present proof of immunity to Hepatitis B and Meningitis or decline immunization by signature. Students living in USF Housing must be vaccinated against meningitis (no declination is permitted). (See Immunization Policy.)

Limited Access Programs

Undergraduates seeking entrance to quota/limited access degree programs must meet special program requirements in addition to requirements for admission to the University. While many quota/limited access programs admit students only at the junior level, some programs admit students for the freshman or

sophomore years. The admission criteria and procedures for quota/limited access programs at USF St. Petersburg furnish equal access to A.A. degree holders from Florida public community/junior colleges, transfers from other SUS institutions, and USF St. Petersburg students of equivalent status. Transfer applicants with 60 or more transferable semester hours who are seeking admission to quota/limited access programs must meet the grade point average requirement specified by the program to be eligible for admission to USF St. Petersburg. Beginning in Summer 2008, transfer applicants with 36 to 59 transferable semester hours who are seeking admission to certain limited access programs such as business and mass communications may be required to meet a higher transfer grade point average requirement that would allow eventual admission to those particular degree programs.

USF, with approval of the Board of Governors and the Articulation Coordinating Committee, has established the following undergraduate programs as limited access: Mass Communications with Journalism and Media Studies Concentrations; all degree programs in the College of Business; all degree programs in the College of Education; and the program in Graphic Design. The admissions requirements for these degree programs may be found with other program information in appropriate sections in appropriate sections of this catalog.

Minimum Requirements for Admission

Freshman Applicants

To be considered for admission, freshman applicants must submit an SUS or USF Application for Admission, a non-refundable application fee of \$30.00, an official high school transcript, official GED scores if applicable, SAT or ACT scores, and a TOEFL score if applicable.

Although USF St. Petersburg has minimum freshman admission requirements, meeting these minimum standards does not guarantee admission. Applicants selected for admission usually exceed the eligibility requirements; however, USF St. Petersburg also considers applicants who do not fully meet minimum requirements but who have important attributes, special talents, or unique circumstances that may contribute to a representative and diverse student body. These freshman applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of ability to do successful academic work at USF St. Petersburg.

For purposes of admission, USF St. Petersburg recalculates a high school grade point average (GPA) based on grades earned in all college preparatory academic courses. In recalculating a GPA, USF St. Petersburg assigns additional weights to grades earned in honors, advanced placement courses, and international baccalaureate courses.

The University normally requires a diploma from a Florida public or a regionally accredited high school or the state-approved General Education Development (GED) diploma. Students admitted under the Early Admission Programs are exempted from this requirement. Students who are participating in an approved home schooling program are expected to provide acceptable copies of annual evaluations for the equivalent of grades 9 through 12. A portfolio or additional documentation may be requested if deemed necessary to complete an appropriate evaluation for admission. Other minimum requirements are outlined below.

1. Freshman applicants must submit an official test score from the Scholastic Assessment Test (SAT) or the American College Test (ACT). Applicants graduating from high school after January 1, 2006 will be required to submit an SAT score that includes the Essay component or an ACT score that includes the Writing component. Receipt of an SAT without Essay or ACT without Writing will not fulfill the test score requirement.
2. For freshman applicants earning a high school diploma, the following college preparatory academic units (year-long courses or equivalents) normally offered in grades nine through twelve are required: four units of English (three of the four must incorporate substantial writing requirements); three units of mathematics (algebra I and above); three units of natural sciences (two of the three must incorporate substantial laboratory requirements); three units of social sciences (history, civics, political science, economics, sociology, psychology and geography); two units of the same foreign language; and four additional units of academic electives.
3. Freshman applicants who between a 3.3 (B+) and 4.0 (A) grade point average as recalculated by USF using all attempted academic courses are considered competitive. However, admission to the University is selective. Therefore, simply meeting requirements does not guarantee admission.
4. Criteria for admission based on a GED diploma: An overall score of at least 300 for all five tests – at least 40 on each of the five tests – an SAT I verbal and quantitative combined score of 1010 or an ACT composite score of 21. These criteria also are required for students in approved home schooling programs.

5. In the absence of the above, the University will also consider appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that indicates potential for successful academic work at USF St. Petersburg.
6. A first-time-in-college applicant whose native language is not English must present a minimum score of 213 (computer-based test), 550 (paper-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL), or a score of 6.5 on the International English Language Testing Service exam (I-ELTS). The TOEFL or I-ELTS requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing.
7. If a student has not earned the following scores on the SAT or the ACT, then college preparatory work will be required during the first term of enrollment at USF St. Petersburg:
 SATI - 440 verbal, 440 mathematics
 or
 ACT - English 17, Reading 18, Mathematics 19
Students requiring this remedial coursework will be admissible only for Summer or Spring terms.

USF Admissions Deposit

Freshmen admitted to the University of South Florida are required to submit a \$200 nonrefundable admission deposit according to the schedule below:

Term Admitted	Deposit Due Date
Fall	May 1
Spring	December 1
Summer B	May 1

The admission deposit will be credited to the student's account and applied toward their first semester tuition. The admission deposit will be waived for admitted freshman who demonstrate significant financial need on a FAFSA (Free Application for Federal Student Aid) submitted by USF's priority deadline of March 1st.

Admitted freshmen are encouraged to pay the deposit online via OASIS (USF's Online Access Student Information System). Online payment is the University's preferred payment method. Checks and money orders submitted to the Office of Undergraduate Admissions are also acceptable forms of payment.

Early Admission Applicants (Freshmen)

USF provides an early admission program to meet the needs of highly capable, mature high school students. Under the early admission program, these students may enter the university as regularly enrolled, degree-seeking students prior to graduation from high school. Participation in the early admission program shall be limited to students who have completed a minimum of six semesters of full-time secondary enrollment, including studies undertaken in the ninth grade. In addition, early admission applicants should be enrolled in a strong college-preparatory curriculum while in high school. Applications for early admission will be reviewed by the Director of Admissions & Records in consultation with the Director of the Honors Programs. Students enrolled in an early admission program must take courses that are creditable toward the high school diploma and the associate or baccalaureate degree.

Students wishing to be accepted as early admissions students at USF **must**:

1. have completed the equivalent of the junior year of high school, thus requiring only one additional year to complete requirements for the high school diploma;
2. typically have a 1200 on the Mathematics and Critical reading sections of the SAT, with no less than 440 on either section; or a 27 on the EACT with no less that a score of 17 on English, 18 on the Reading, and 19 on Mathematics; and a 3.5 high school grade point average (computed by USF); and a TOEFL score, if applicable;
3. meet regular USF admission criteria for degree-seeking undergraduate students;
4. contact an Academic Advisor.

Home schooled students must submit an official copy of their Letter of Intent with the student's home school district. Private school students must submit proof that their school is a regionally accredited school.

Undergraduate Transfer Applicants

Applicants with fewer than 60 transferable semester credits are considered lower-level transfers; upper-level transfers are those with 60 or more transferable semester credits (see below). Regardless of category, grade point averages (GPA) for purpose of admission will be computed based only on grades earned in courses that are acceptable for transfer credit and as calculated by USF St. Petersburg.

USF St. Petersburg accepts transfer credits, without a course by course evaluation of the prior coursework, only from institutions that are accredited by one of the regional accrediting agencies/commissions recognized by USF St. Petersburg at the time the credits are earned. (See Evaluation of Transfer Credit). Courses approved for transfer by the Statewide Course Numbering System (SCNS) from non-regionally accredited institutions will be considered for transfer credit the same as credits from regionally accredited institutions. All credits earned during the period of time a regionally accredited institution was in a "candidacy" status for accreditation are considered for transfer credit. Credits earned at an institution that is currently in "candidacy" status will not be considered for transfer credit until such time as the awarding institution receives full regional accreditation. For an applicant applying from a non-regionally accredited school, the admissions decision will be based on prior work at a regionally accredited institution or on the transferable work completed at a non-regionally accredited institution as approved by SCNS. If all post-secondary work is from a non-regionally accredited school, not including SCNS approved coursework, the evaluation will be based on the high school record and test scores and the applicant will be regarded as a freshman for purposes of admission.

USF St. Petersburg reserves the right to evaluate specific courses and deny transfer credit. USF St. Petersburg does not award transfer credit that is determined to be occupational or vocational in nature except that work specifically approved as part of the Bachelor of Science in Applied Science program or approved by the academic department of the student's major.

Lower-Level Transfer Applicants(with fewer than 60 transferable semester credits)

To be considered for admission, transfer applicants with fewer than 60 transferable semester credits must submit an SUS or USF Application for Admission, a non-refundable application fee of \$30.00, an official transcript from each previous college attended, an official high school transcript, official GED scores if applicable, official SAT or ACT scores, and a TOEFL score if applicable.

Lower-level transfer applicants with 12 to 35 transferable semester hours must minimally meet the following requirements to be considered for admission in good standing; however, satisfying these minimum requirements does not guarantee admission:

1. Be in good standing with a minimum 2.75 GPA in all transferable college courses attempted and eligible to return to the last regionally accredited institution attended.
2. Have completed all college preparatory course requirements.
3. Satisfy fully all freshman admissions standards as described in the previous section entitled "Freshman Applicants." (Meeting freshman admission standards is a critical requirement for undergraduate applicants with fewer than 60 transferable credits. Department of Education rules and policies do not provide for local exceptions to these requirements.);
4. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at the post-secondary level (as required by Florida Statute);
5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test), 79 (internet-based test) on the Test of English as a Foreign Language (TOEFL) or 6.5 on the I-ELTS if the applicant's native language is not English. The TOEFL or I-ELTS requirement may be waived on an individual bases when alternative evidence of English proficiency is presented in writing.

Lower-level transfer applicants with 36-59 transferable semester credits must minimally meet the following requirements to be considered for admission in good standing; however, satisfying these minimum requirements does not guarantee admission.

1. Have an overall C- average (transfer GPA of 2.3 on a 4.0 scale) as calculated by USFSP.
2. Be in good standing with a minimum 2.3 GPA and eligible to return to the last regionally accredited institution attended.
3. Satisfy fully all freshman admissions standards as described in the previous section entitled "Freshman Applicants." (Meeting freshman admission standards is a critical requirement for undergraduate applicants with fewer than 60 transferable credits. Department of Education rules and policies do not provide for local exceptions to these requirements.);
4. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at the post-secondary level (as required by Florida Statute);
5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test), 79 (internet-based test) on the Test of English as a Foreign Language (TOEFL) or 6.5 on the I-ELTS if the applicant's native language is not English. The TOEFL or I-ELTS requirement may be waived on an individual bases when alternative evidence of English proficiency is presented in writing.

USF St. Petersburg also considers applicants who do not fully meet the minimum requirements as stated in #1 and #2 above but who have important attributes, special talents, or unique circumstances that may contribute to a representative and diverse student body. These undergraduate transfer applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of promise for academic success. These applicants should also submit appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that supports potential for academic success at USF St. Petersburg.

Upper-Level Transfer Applicants

(with 60 or more transferable semester credits)

To be considered for admission, transfer applicants with 60 or more transferable semester credits must submit an SUS Application for Admission, a non-refundable application fee of \$30.00, an official transcript from each previous college attended, and a TOEFL score if applicable.

Any transfer student with 90 or more semester hours who indicates a desire for admission to a limited access undergraduate program must meet the overall admission GPA criteria of that program in order to be admitted to the University.

Applicants with Associate of Arts (A.A.) degrees from Florida public institutions will be admitted as juniors into the University within curricular, space, and fiscal limitations. A.A. degree holders seeking admission to quota/limited access degree programs must also meet all requirements specified by the desired program. The admission of Florida community/junior college A.A. transfer students is governed by the articulation agreement between state universities and public community colleges in Florida.

Undergraduate transfer students who have not earned the A.A. degree from a Florida public institution or who have attended another college after receipt of the A.A. must minimally meet the following requirements to be considered for admission; however, satisfying these minimum requirements does not guarantee admission:

1. Be in good standing and eligible to return to the last regionally accredited institution attended as a degree-seeking student or a non-regionally accredited institution participating in the SCNS with SCNS approved transferable credits;
2. Have an overall "C" average as calculated by USF St. Petersburg (2.0 on a 4.0 scale) in all college-level courses acceptable for transfer credit to USF St. Petersburg. (In calculation of the GPA, incomplete grades are computed as failures and course "repeats" are not forgiven when the courses are repeated at different institutions.);
3. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at a previous college or university (as required by Florida Statute). Students who entered a Florida public community/junior college prior to August 1, 1989, and maintain continuous enrollment until the time of their USF St. Petersburg entry as degree-seeking students may be admitted without the required foreign language study;
4. Meet the minimum grade point average required by the program if entering a quota/limited access program and transferring 90 or more semester hours;
5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL) or 6.5 on I-ELTS if the applicant's native language is not English. The TOEFL or I-ELTS requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing.

USF St. Petersburg also considers applicants who do not fully meet the minimum requirements as stated in #1 and #2 above but who have important attributes, special talents, or unique circumstances that may contribute to a representative and diverse student body. These undergraduate transfer applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of promise for academic success. These applicants should also submit appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that indicates a potential for academic success at USF St. Petersburg.

Students Entering the Florida Community College System and Planning to Finish their Degrees at USF St. Petersburg

High school graduates planning to start their college education at a Florida community college should confer with the community college counselor and ask that their academic program be planned with the assistance of the USF St. Petersburg Undergraduate Catalog. This catalog explicitly describes the undergraduate program requirements and Florida's common prerequisites that should be followed to ensure maximum ease of transfer into the students' upper-level programs on a par with their native USF St. Petersburg counterparts.

Students Entering the Florida Community College System and Planning to Finish their Degrees in the State University System

An articulation agreement, in effect since April 13, 1971, and later adopted by the Florida Legislature in statute form as Florida law, governs an effective and orderly transfer of Florida community college students into the State University System (SUS).

The agreement defines and establishes the Associate of Arts degree from a Florida public community/junior college as the basis for all articulation rights. Among these guarantees, the following are central to the transfer process:

1. A.A. graduates will be granted admission to a university within the SUS but not necessarily to the university or program of choice.
2. A.A. graduates will have the same opportunity to enroll in a university limited access program as the native university student.
3. Upon transferring to a public university in the Florida SUS, A.A. graduates will be awarded at least 60 credit hours towards the baccalaureate degree, exclusive of occupational courses and basic required physical education courses.
4. Credits that are part of the A.A. degree earned through articulated acceleration mechanisms, such as dual enrollment, international baccalaureate, early admission, advanced placement, and credit by exam, will be transferable to the state university.
5. As participants in the Statewide Course Numbering System, receiving institutions must accept all courses taken at the transfer institution if the courses at each institution have the same prefix and the same last three digits of the course number.
6. The university catalog in effect the year the A.A. degree student first enrolled at the community college will remain in effect for the student's entire program, provided the student maintains continuous enrollment as defined in that catalog.
7. Once a student has completed the general education core and this fact is noted on the transcript, regardless of whether or not an A.A. degree is awarded, no other state university or community college to which the student may transfer can require additional courses to the general education core.

Included in these transfer guarantees is the right of appeal. Students may appeal to the university and to the Statewide Articulation Coordinating Committee. Students who have questions or want more information about the articulation agreement should contact the Academic Advising Office.

Evaluation of Transfer Credit

1. The receipt and evaluation of transfer credit is the responsibility of the Office of Admissions & Records. The Office of Admissions & Records will evaluate the acceptability of total credits transferable to the University. The college of the student's major will assign equivalent courses in determining which courses are applicable toward a specific degree at the University. In some instances, exact course equivalents will also be determined by other colleges that offer the same or similar courses as part of their programs of study. Transfer students should be prepared with personal copies of their transcripts of all past course work to discuss advisement and placement with the appropriate academic advisor and should contact the college of their major soon after registration so that an official evaluation may be completed.
2. USF St. Petersburg will readily or automatically accept credits only from those institutions accredited by one of the regional accrediting agencies/commissions* at the time the credits are earned. (See * below for agencies recognized by USF.) Credits earned at an institution that is currently in "candidacy" status will not be considered for transfer credit until such time as the awarding institution receives full accreditation. Courses approved for transfer by the Statewide Course Numbering System (SCNS) from non-regionally accredited institutions will be considered for transfer credit the same as credits from regionally accredited institutions.
3. USF St. Petersburg reserves the right to deny credit for specific courses. USF St. Petersburg does not award transfer credit from institutions that it determines to be occupational or vocational in nature except for work that is specifically approved as part of the Bachelor of Science in Applied Science program or approved by the academic department of the student's major.
4. Associate of Arts (A.A.) degree holders from Florida public accredited institutions will be considered as having met USF St. Petersburg general distribution requirements and are automatically awarded 60 semester hours of credit. A course-by-course transfer credit evaluation will be done for all out-of-state and private in-state A.A. degree holders.
5. Effective Fall Quarter 1976, all courses from a Florida community college/university bearing the same State Common Course prefix and last three numbers as a USF St. Petersburg course are automatically transferred, and transfer students may not be required to repeat these courses, unless a college age-of-record policy is involved. That same automatic transferability of credits applies to courses completed at non-regionally accredited institutions that have been specifically approved by the SCNS. Excluded are graduate courses, studio courses in art, internships, practica, and performing arts courses.

6. All undergraduate degree programs at USF require a minimum of 48 hours of upper-level work that would have been completed at a four-year college or university. This policy does not affect approved articulated programs based on the A.S. degree. For information regarding specific articulated A.S. degree programs, consult the USFSP Office of Prospective Student Outreach.
7. Credit will not be awarded for GED tests.
8. Military service school courses will be evaluated with reference to the recommendation of the American Council of Education when official credentials have been presented. Such recommendation, however, is not binding upon the University.
9. For ROTC and military science courses taken after Fall Quarter 1975, the maximum credit will vary with each college. A student must confer with his/her college advisor to determine the acceptability for his/her major. ROTC and military science taken prior to Fall 1975 are not acceptable for transfer credit.
10. A maximum of 45 semester hours of College Level Examination Program (subject and general examinations) credits can be accepted for transfer credit.
11. A maximum of 30 semester hours of extension, correspondence, and military service education credits can be applied toward a degree.
12. Grades earned in transferred courses are not computed in the student's USF GPA except for the purposes of admission to limited access programs, the awarding of honors at graduation, and class ranking of baccalaureate students.
13. International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student.
14. A continuously enrolled USF St. Petersburg degree-seeking student must obtain prior written approval from the college of the student's major in order for courses taken at other regionally-accredited institutions to be applied to the USF St. Petersburg degree program.

*Accrediting Agencies/Commissions:

- New England Association of Schools and Colleges, Commission on Institutions of Higher Learning
- Middle States Association of Colleges and Secondary Schools, Commission on Higher Education
- North Central Association of Colleges and Schools; Northwest Association of Schools and Colleges
- Southern Association of Colleges and Schools, Commission on Colleges
- Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Accrediting Commission for Junior Colleges.

International Applicants (non-resident aliens)

To be considered for admission, international applicants (non-resident aliens) must submit a USF St. Petersburg International Student Application for Admission, a non-refundable application fee of \$30.00 payable in U.S. dollars, a TOEFL score if applicable, a Statement of Financial Responsibility, undergraduate or graduate admissions test scores as specified for appropriate applicant category, transcripts showing subjects and grades from the first year of secondary work to the time of application, and a Visa Clearance Form (if currently in the U.S.). Transcripts in a language other than English must be accompanied by a certified English translation.

International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student. Information about recommended and approved independent evaluators is available from the Office of Admissions & Records.

An international applicant (non-resident alien) must meet all admission requirements for the appropriate applicant category (freshman, undergraduate transfer, graduate).

Other minimum requirements are as follows:

1. An international applicant whose native language is not English must present a minimum score of 213 (computer-based test) or 550 (paper-based test), 79 (internet-based test) on the Test of English as a Foreign Language (TOEFL) or 6.5 on the I-ELTS. The TOEFL or I-ELTS requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing.
2. International applicants must be in good standing at the last institution attended.
3. International applicants must submit the USF St. Petersburg Financial Statement substantiating availability of financial resources sufficient to cover all educational, maintenance, and personal expenses while attending USF St. Petersburg, without financial assistance from the University.
4. International applicants seeking admission to limited access undergraduate degree programs must also meet all requirements specified by the program.

Transient Applicants

An undergraduate transient student is one who comes to the University from another regionally accredited institution and wishes to take courses at USF St. Petersburg for one term only before returning to

the parent institution. Transient students may enroll at USF St. Petersburg as non-degree-seeking students. (See Non-Degree-Seeking Students.)

Non-Degree-Seeking Student

Non-degree-seeking student enrollment is on a space-available basis and has been established for those individuals who, while not desirous of earning a degree, would like to enroll in all levels of university courses. Teachers needing to take courses for certification purposes, high school students (with the permission of their respective guidance counselor), individuals desirous of taking courses for self enrichment, and senior citizens are examples of those eligible to utilize this enrollment method. Former USF undergraduate degree-seeking students may only enroll as non-degree-seeking students if they have completed their previous degree program or earned an equivalent degree at another institution. Should the latter be the case, an official transcript (reflecting the degree) from that institution must be sent to the Office of Admissions & Records (Attention: Student Records Area) prior to registration.

Individuals enrolling as non-degree-seeking students who plan to make formal application to the University may not apply more than 14 semester hours toward an undergraduate degree.

Applicants denied admission to USF as degree-seeking undergraduates may not enroll as non-degree-seeking students. Performance in courses taken in this category will not qualify an applicant for admission as a degree-seeking student.

A non-degree-seeking student who has been dismissed from USF is not eligible for admission to USF St. Petersburg as a degree-seeking student at the undergraduate level. If extenuating circumstances contributed to the academic dismissal and the student meets other admissions requirements, a request for waiver of this rule may be submitted to the Faculty Committee on Student Admissions. This rule does not apply to a student who has earned a degree from a regionally accredited institution subsequent to academic dismissal.

Non-degree-seeking students are subject to the same academic policies as undergraduate degree-seeking students and must adhere to deadline dates published in the University Schedule of Classes. Non-degree-seeking students are not eligible to receive University honors or participate in the USF St. Petersburg/Florida Public Community College cross-registration program.

Non-degree-seeking students also are not eligible to receive financial aid. Non-degree-seeking students are subject to the academic probation and dismissal policy listed in this catalog. Non-degree seeking students who are academically dismissed from the University may appeal to the Academic Regulations Committee (ARC) through the ARC representative for the appropriate academic unit in which the student is pursuing courses. Potential non-degree-seeking students should also refer to the section of the catalog of the college(s) offering the course(s) of interest to them to determine whether any special college requirements exist that must be met prior to enrolling.

NOTE: Prior to registration for classes that meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella to the Student Health Service. Students born after December 31, 1956, must also submit proof of immunity to measles. (See Immunization Policy.)

Readmission (Former Students Returning)

A former student returning (FSR) is any degree-seeking undergraduate student who has not earned his/her degree, who has not been enrolled at USF in any of the last three terms, and who wishes to re-enroll in the University. Former students returning must be readmitted to the University. In order to be considered for readmission, a former student should file a new Application for Admission with the Office of Admissions & Records by the deadline indicated in the Academic Calendar for the term of requested re-entry. Applicants must submit a non-refundable \$30.00 application fee. (Former College of Education majors must contact the College of Education Advising Office for additional readmission requirements.)

To be readmitted, a student must meet the following requirements:

1. Be eligible to return to USF St. Petersburg;
2. Be in good standing and eligible to return to the last institution attended as a degree-seeking student; and
3. Have achieved a GPA of at least 2.0 as calculated by USF St. Petersburg on a 4.0 scale on all college-level academic courses attempted at institution(s) attended since last enrolled at USF St. Petersburg.

Students who have attended one or more institutions since their last enrollment must request official transcripts of all work attempted at the other institution(s) be sent to the USF St. Petersburg Office of Admissions & Records. Acceptability of transfer credits toward completion of USF St. Petersburg degree programs will be determined by the college of the student's major.

Prior to registering for classes, former students returning who have been readmitted are required to participate in an orientation program. Former students returning will receive orientation information after readmission.

Transient students and non-degree-seeking students are not considered former students returning. These students who wish to enter as degree-seeking students must file an application with the Office of

Admissions & Records prior to the deadline listed in the Academic Calendar for the requested term of entry. Former USF students who have earned the baccalaureate degree at USF St. Petersburg or at another institution and who now wish to return to USF St. Petersburg to earn another undergraduate degree must file an Undergraduate Application for Admission with the Office of Admissions & Records. No application fee is required. A student may not work on a second undergraduate degree if he/she has been accepted into a graduate program.

NOTE: Prior to registration for classes that meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella to the Student Health Service. Students born after December 31, 1956, must also submit proof of immunity to measles. (See Immunization Policy.)

Evening Courses

The admission requirements and achievement levels in the day and evening courses are the same. Any student accepted to the University may enroll in any appropriate courses offered in the evening.

Senior Citizen Tuition Waiver*

Florida residents who are 60 years of age or older as of registration day, and must have lived in Florida for the last 12 months, may enroll on a space available basis in certain undergraduate and graduate courses without paying fees. Academic credit is not awarded, examinations are not required, and grades are not given. A parking permit is required.

Many courses require departmental approval, prerequisites, or have other restrictions which may limit registration. If you are aware of these restrictions, you may acquire the necessary permits in advance of registration. There is a Registrations Worksheet form to accomplish this. Additionally, the permits may be submitted electronically in OASIS by the issuing department. Under no circumstances will notes on plain paper without department letterhead be accepted.

Students may not pre-register for courses in which they plan to use the Senior Citizen Tuition Waiver. The waiver will not be processed if a Senior Citizen pre-registers and then submits a Senior Citizen tuition waiver form for those courses.

It is the student's responsibility to complete and submit the waiver form allowing sufficient time for the form to reach The Office of the Registrar at USFSP by the registration deadline.

Special Programs

Honors Program

Superior students in all USFSP majors may avail themselves of Honors opportunities at USF St. Petersburg. The University Honors Four Year Track is designed for first-time-in-college students. University Honors Two Year Track is designed for transfer or upper-level students. These exciting experiences are grounded in the liberal arts tradition and intended for students regardless of major. The primary goals of University Honors are the development of critical thinking skills, an appreciation of the liberal arts tradition, and the development of creative, independent thought. Students in the Honors Program are required to complete a senior honors thesis.

Potential University Honors students are actively recruited, but any interested student who feels that he/she is qualified may request admission. Students typically have 3.50 college GPAs and 1250 SAT or 29 ACT scores. Many scholarships are available for Honors students.

Students who satisfactorily complete Honors and graduate with at least an overall GPA of 3.3 and a USF GPA of 3.3 shall be identified as Honors Graduates at Commencement as well as on their diplomas and transcripts.

The program involves our best and brightest students in challenging seminar courses with a strong orientation toward interdisciplinary perspectives on major issues and works.

They work closely with faculty members in planning, researching, and writing honors theses. The Honors Program gives students the opportunity to achieve scholastic distinction, and perfect their critical thinking skills and their oral and written expression.

For more information, contact USFSP Honor Program Director Dr. Thomas W. Smith at twsmith@stpt.usf.edu or at (727) 873-4583.

Opportunities for Accelerated Progress Toward Undergraduate Degrees

USF St. Petersburg provides several options by which students may accelerate their progress toward completing the baccalaureate degree. These options recognize knowledge that has been acquired prior to or during attendance at USF St. Petersburg and provide the opportunity to earn University credit.

Options that may be used include the following:

1. Recognition of satisfactory performance on tests offered through the College Level Examination Program (see CLEP).
2. Recognition of satisfactory performance on tests offered through Advanced Placement Programs of the College Entrance Examination Board (see Advanced Placement Credit Programs).

3. Recognition of the International Baccalaureate Diploma Program. Students who earn the IB Diploma will be awarded 30 semester hours of college credit and sophomore standing. Credit for higher level exams with a score of 5 or higher may be awarded to those students who do not earn the IB diploma.
4. Educational Outreach courses by television.

Credits may be earned through a combination of the above options. Students should contact their college advisors for further information concerning the application of this credit toward their degree requirements.

Internal processes (such as auditions, portfolio reviews, and placement tests) utilized in the various departments for the sole purpose of determining a student's most appropriate area, level, or section placement in a program of study are not to be construed as examining mechanisms for the granting of credit.

USF St. Petersburg/Florida Public Community College Cross Enrollment

Some undergraduates may find it advantageous to cross enroll at a Florida public community college while attending USF St. Petersburg. *To prevent problems with financial and other registration issues, see a USF St. Petersburg academic advisor for detailed instructions and course approval.* Procedures to permit this type of registration are available during specified times printed in the University Schedule of Classes. Credit hours for the course(s) taken at the host institution will apply toward graduation only if prior approval was received from the student's USF St. Petersburg advisor. The grade point average will not transfer to USF St. Petersburg. The Cross Enrollment contract is available on the Forms page of the Financial Aid website.

USFSP Transient Students

USF St. Petersburg degree-seeking students who wish to enroll at another regionally accredited institution **MUST HAVE PRIOR WRITTEN APPROVAL** from their college academic advisor to receive credit for courses taken. The transient student/cross enrollment form should be used for this purpose. One semester must have been completed at USF prior to becoming a transient student. The Consortium Agreement for Transient Study form is available on the forms page of the Financial Aid website.

FINANCIAL INFORMATION

Florida Residency For Tuition Purposes

This notice summarizes the provisions of Florida Statutes and University Policy/ Procedure concerning Florida residency for tuition purposes.

In determining residency classification, students fall into one of two categories. They are either (1) *independent students* (students *not* claimed on parent's or legal guardian's federal income tax statement or whose parents do not provide 50% or more of their support) or (2) *dependent students* (students, regardless of age, who are claimed as dependents by parent or legal guardian on federal income tax statement or whose parents provide 50% or more of their support).

The law basically requires that a U.S. citizen/permanent resident alien/independent student or a dependent student's parent/legal guardian has established and maintained a *LEGAL* Florida residence for at least twelve (12) months before the first day of classes of the term for which Florida residency status is sought. The student who comes to Florida to enroll full-time in a Florida higher education institution as an out of state resident and continuously enrolls in a Florida institution will not normally meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled.

USF St. Petersburg is required to obtain documentation of 12-months legal residence before a student is classified as a Florida resident for tuition purposes. A student is required to request Florida residency in writing and submit supporting documents no later than the fifth day of classes in the term for which classification is sought.

The following is acceptable, non-conclusive evidence of the establishment of a legal residence in Florida. Two documents must be dated/issued at least 12 months before the first day of classes of the term for which Florida residency is sought.

1. Proof of purchase of permanent home in Florida.
2. Declaration of Domicile.
3. Florida's driver's license.
4. Florida voter's registration.
5. Florida vehicle registration.
6. Florida vehicle title.
7. Professional/occupational license in Florida.
8. Florida incorporation or other evidence of legal residence in Florida.
9. Full-time, non-temporary employment in Florida.

PLEASE NOTE: Rent receipts, leases, employment records, tax returns, school/college records are **NOT** evidence of establishing a legal Florida residence. Students who are dependent on out-of-state parents or who come to Florida for educational purposes are generally ineligible for reclassification to Florida status. In rare cases, the law allows some students (e.g., military, public school teachers, etc.) who do not meet the basic requirements to be classified as Florida residents for tuition purposes. For more information about exceptional categories, contact the Office of the Admissions & Records.

Fees

The levels of the Activity and Service Fee, the Health Fee, and the Athletic Fee are determined on each campus by a student fee committee appointed by the President of the University and the Student Government President. The committee includes USF St. Petersburg faculty and students with the majority of the committee being students. The fees may be reviewed on a yearly basis. The following fee schedule applies to all USF St. Petersburg students.

Registration fees are assessed in accordance with University Board of Trustees rules. **All fees are subject to change without prior notice. The University will make every effort to advertise any such changes if they occur.**

1. Initial Application Fee

There is a non-refundable application fee of \$30. Checks or money orders must be made payable to USF. Applications received without the application fee will not be processed until the appropriate fee is received.

2. Tuition

Schedule/Fee Statements are no longer mailed. Tuition is due by the fifth day of each term. To find out the amount of the *total* tuition due (the amount will not reflect any payments made on the account), students can bring a photo ID to the Office of the Registrar, located in the lobby of Bayboro Hall, and request a Registration Confirmation which will reflect total tuition and fees.

The student is responsible for paying fees in full by the appropriate due date stated in the particular term's Schedule of Classes. Failure to do so may result in cancellation of the student's registration. Fees paid by mail must be postmarked by the post office, *not* office metered, on or before the fifth day of the term. Checks are payable to USF St. Petersburg.

To avoid a \$100.00 late payment fee, in addition to a \$100 late registration fee, all tuition fees must be paid or postmarked by the U.S. Post Office, not office metered, by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal Service mail. A student whose registration has been cancelled may request registration reinstatement through the fourth week of class for the academic term. Upon approval for reinstatement, all fees and other debts owed to the University must be paid in full by cash, check, Visa, Mastercard, Discover, money order, or cashier's check before reinstatement will be effected.

a. Tuition Fee Structure

Please refer to the current Schedule of Classes for course-fee information.

NOTE: There is no ceiling (maximum) on the amount that a student may be assessed for a single term.

A lab fee of \$8.00 to \$15.00 is charged for certain courses. Please consult your Schedule of Classes to locate the courses that require the fee and the amount of the fee that applies to the course.

Students who *only* register for a co-op assignment must pay a minimum of one (1) hour at the level of the co-op assignment.

Regular Cashier's Office hours are Monday through Thursday from 8:00 a.m. – 6:00 p.m. and Friday from 8:00 a.m. - 5:00 p.m.

Tuition fee payment should be mailed to:

Cashier's Office
University of South Florida St. Petersburg
140 7th Avenue South, BAY 132
St. Petersburg, Florida 33701

* Fees do not include books, on-campus seminars, housing, or food service and may change without notice.

b. Off-Campus College of Education Courses

Students enrolling for off-campus (Continuing Education) courses will be assessed fees according to the Tuition Fee Structure "a" above. Continuing Education courses are designated by the "700 series" section number. The Schedule of Classes, which is printed each semester, should be used as a reference for updated information.

3. Late-Registration Fee

All degree-seeking students who initiate (i.e., those students who have not enrolled for any courses during early or regular registration) their registration during the late-registration period will be automatically assessed a \$100.00 late-registration fee.

4. Financial Aid Disbursement

Upon satisfaction of eligibility criteria, financial aid will be credited to student accounts after the drop/add period is over. Monies in excess of charges will be mailed to students' local addresses or e-deposited into their bank accounts.

5. Cancellation for Non-Payment of Fees

Students not on an authorized deferred payment of fees and who have not paid their tuition fees in full by a specified day (per Schedule of Classes) will have their registration for that term cancelled. This means, specifically, that a student will receive no credit for any courses taken during that term.

6. Intern Participation Certificate

Individuals who have supervised interns may register for courses during a term by presenting their Intern Participation Certificate. Prior to July 1, 1997, the Intern Participation Certificate stated that all fees were waived with the exception of the Bond and Trust Fee that was \$4.76 per credit hour. Certificates were valid for five years from the date of issuance.

The new Intern Participation Certificate effective July 1, 1997, states that certificate holders are entitled to a waiver of *only matriculation fees* for a maximum of six (6) credit hours instruction during a single term. Certificates are valid for three years from the date of issuance.

Fees must be paid or postmarked by the U.S. Post Office (not office metered) by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal Service mail.

7. Staff Employee Waivers

Please check with Human Resources website: <http://usfweb2.usf.edu/usfpers/procedures/edasst/tuition.htm> regarding this benefit.

8. Tuition Deferment for VA Students

Students receiving VA educational benefits can request a tuition deferment one time per academic year. The request must be completed by the Friday of the first week of classes. The deferment date will be the same date as the financial aid deferment date.

9. Florida Prepaid College Program

Students who are eligible to receive benefits under this program are responsible for the local portion of fees. For 2007/2008 credit hour fees please check with the cashier's office.

This fee must be paid or postmarked by the fifth day of the term to avoid cancellation of registration and a \$100.00 late payment fee, as well as a \$100 registration fee. A copy of the Prepaid card should be submitted to the Cashiers Office, BAY 132.

10. Mailed Payments

To avoid cancellation of registration, a \$100.00 late payment fee, and a \$100 late registration fee all fee payments must be postmarked, by the US Post Office (not office metered), by the applicable fee payment deadline listed in the Academic Calendar.

11. Returned Registration Checks

A student's current registration is subject to cancellation if the check presented in payment of those fees is returned to the University unpaid. Dishonored fee payment checks must be redeemed within 10 calendar days to avoid cancellation of a student's current registration. **A \$100.00 late payment fee and a \$25.00 administrative charge will be assessed on any registration check returned unpaid to the University.**

Refund of Tuition/Fees Payment Release of Tuition/Fees Liability

The following refunds, less deductions for unpaid debts to the University, are authorized. A Refund Request form must be completed and presented to the Cashier's Office, BAY 132, to initiate the refund process. A two-week waiting period is observed for each refund to be sure checks have cleared.

100% of registration fees and tuition will be refunded if notice of withdrawal from the University is approved prior to the end of drop/add period and written documentation is received from the student.

25% of registration fees and tuition paid, less building and capital improvement fees, will be refunded if notice of withdrawal from all courses from the University is approved prior to the end of the fourth week of classes (summer term is prior to the end of the third week of classes) and written documentation is received from the student.

Fee Adjustment Request After Fifth Day of the Term

Effective January 1989, USF St. Petersburg approved a refund of 100% of the tuition and registration fees if a student withdraws or drops a course due to circumstances determined by the University to be

exceptional and beyond the control of the student. Requests for fee adjustments must meet one of the conditions below to be considered.

100% of registration fees and tuition will be refunded when a student withdraws or drops a course due to circumstances determined by the University to be exceptional and beyond the control of the student, including but not limited to:

- (1) Illness of a student of such severity or duration, as confirmed in writing by a physician, to preclude completion of the course(s),
- (2) Death of the student or death in the immediate family (parent, spouse, child or sibling) as confirmed by documentation indicating the student's relationship to the deceased,
- (3) Involuntary call to active military duty,
- (4) A situation in which the University is in error as confirmed in writing by an appropriate University official,
- (5) Other documented exceptional circumstances beyond the control of the student that precluded completion of the course(s) accompanied by letter of explanation and appropriate documentation.

Students who receive financial aid and subsequently change their enrollment status resulting in a refund in accordance with this subsection may have all or a portion of their refund returned to the University's financial aid programs in accordance with the Financial Aid Policy on Refunds and Repayments.

Payment of Accounts Due the University

Charges against students for loss or breakage of University equipment, books, fines and other charges are due immediately. Delinquent accounts may be considered sufficient cause for cancellation of registration. University regulations prohibit registration or release of transcript, diploma, or grades for any student whose account with the University is delinquent. Payments should be brought to the Cashier's Office, BAY 132, by the appropriate deadline.

Financial Aid

Location/phone: USF St. Petersburg: BAY 105, (727) USF-4128

Office Hours: Monday through Thursday, 8 a.m. to 6 p.m.
and Friday, 8 a.m. to 5 p.m.

Web Address: <http://www.stpt.usf.edu/finaid>

In addition to finding a wealth of information on the Web regarding your financial aid, you can apply for aid and monitor your aid application at USF St. Petersburg via the Financial Aid Web: <http://www.stpt.usf.edu/finaid> and via OASIS: http://www.stpt.usf.edu/sp_oasis/index.htm.

USF St. Petersburg only requires the Free Application for Federal Student Financial Aid (FAFSA) to apply for federal, state and USF financial aid funds. First, apply for a Federal Pin number at <http://www.pin.ed.gov>, then complete and submit the FAFSA online at <http://www.fafsa.ed.gov>. Be sure to list USF St. Petersburg, school code #001537, as a school to receive your information.

Since many programs are funded on a limited basis, it is to your advantage to apply early. The USF St. Petersburg priority processing date is March 1, 2008. Other dates and detailed information regarding financial aid are provided on our website through our Programs-At-A-Glance: http://usfweb2.usf.edu/finaid/at_a_glance.htm. Conduct a nationwide scholarship search: <http://www.fastweb.com/> and check out USF St. Petersburg's scholarship information <http://www.stpt.usf.edu/finaid/scholarships>.

The Office of Financial Aid communicates important information regarding your aid via e-mail throughout the year. Therefore, it is extremely important that you ensure that your current e-mail address is correct in OASIS.

Degree-seeking, Financial Aid students enrolled at least half-time receive a tuition deferment. A tuition deferment prevents cancellation of registration for non-payment of fees and temporarily prevents assessment of the late payment fee. Since financial aid is disbursed after drop/add, check OASIS to see if you have a tuition deferment prior to the start of each term (http://www.stpt.usf.edu/sp_oasis/index.htm). If you have a tuition deferment, and you have met disbursement requirements, your financial aid will be applied against your student account charges. Most financial aid is disbursed through your student account and is applied to tuition and other charges posted to the account before a check is issued for any remaining balance. Avoid paying a late payment fee by paying any remaining balance before the deferment deadline. Since tuition deferment prevents cancellation for non-payment, you must officially withdraw from all classes by the refund deadline to be relieved of liability to pay and to ensure that tuition is not later paid by disbursed financial aid. For further information regarding deferments go to <http://usfweb2.usf.edu/finaid/other/deferments.htm>.

For non-financial aid students, short-term loans are also available for limited use. The deadline for deferred tuition payment and details about short-term loans are printed in the *Schedule of Classes*.

Because we are required by federal regulations to verify the last date of attendance in classes, at the end of each semester, the Office of Financial Aid mails letters to financial aid recipients who appear to have unofficially withdrawn (your semester grades are all M, F, U, or I.) Your last date of attendance may be considered the last date you submitted an assignment or took an exam, or your last date of actual attendance in classes. This letter requires a response within 14 days, or it will be assumed you did not attend beyond the 50% point of the term. This may require you to repay a portion of federal financial aid received.

Scholarships

Scholarships are administered by a number of different offices within the University. Links to all scholarships can be found on the USF St. Petersburg Office of Financial Aid webpage (<http://www.stpt.usf.edu/finaid/scholarships>).

Admissions Scholarships

Every student who applies for admission to the University of South Florida St. Petersburg is automatically considered for admissions scholarships; no separate application is necessary.

The Office of Admissions in Tampa administers a variety of different scholarships for first-time-in-college students as well as for transfer students. Contact the Scholarship Resource Office for specific questions regarding these scholarships: scholarships@admin.usf.edu.

Financial Aid Scholarships

The USF St. Petersburg Office of Financial Aid also administers a variety of scholarships based on Academic Merit and Financial Need. The 2008-2009 USF St. Petersburg Scholarship Application, deadline, and listing is available on our webpage.

Departmental Scholarships

The individual colleges of USF (the College of Arts & Sciences, the College of Business, and the College of Education) administer some scholarships directly through the Dean's Office in each college. Links to these departments can be found on the Office of Financial Aid webpage.

Veterans Services

Department of Veterans Affairs (VA) Benefits

USF St. Petersburg is approved for the education of veterans, eligible dependents, members of the selected reserve, and active-duty personnel who are eligible for benefits under public laws now in effect. All degree programs currently offered at USF St. Petersburg are approved by the state approving agency.

Students who may be eligible for benefits are urged to contact Veteran Services, which is co-located in the Financial Aid Office in BAY 105. Necessary forms are available on the Office of Financial Aid and Veterans Services webpage: <http://www.stpt.usf.edu/finaid>.

To be eligible for full-time VA benefits at USF St. Petersburg, undergraduate students must enroll for 12 or more semester hours, and graduate students must enroll for 9 or more semester hours each normal academic term.

VA regulations require that students take only courses that are applicable to their degree program or other approved program and make satisfactory progress toward their degree. Students should consult the "Handbook for VA Students" by logging on to USF St. Petersburg Veterans Services web site: <http://usfweb.usf.edu/vetserve> for information on various programs/services, and VA rules and regulations. Under no circumstances will the VA pay benefits to a student taking a course by audit. *It is the student's responsibility to inquire concerning all VA rules and regulations and to report any change in number of registered hours, change of majors, or adding a double major and/or minor which affects his/her benefits.* Additionally, VA benefits will be terminated for students who are dismissed for academic or disciplinary reasons and can only be reinstated after academic counseling.

Veterans with a service-connected disability approved for benefits under Chapter 31 may contact the Cashier's Office, BAY 132 no earlier than one week prior to the start of classes for a book and supplies voucher. Other VA benefits include additional amounts of compensation and pension, which may be payable to eligible veterans and widows or widowers of veterans for the enrollment of dependent children. The students, parents, or guardians are responsible for notifying the VA Regional Office directly of enrollment and termination of enrollment. The VA toll-free number is 1-800-827-1000.

*See "Resident Status," above

University Police

The USF St. Petersburg Police Department provides a full range of public safety services to the campus community 24 hours a day, 7 days a week. All University Police officers are certified by the State of Florida.

General services provided by the University Police include car patrol, foot patrol, bicycle patrol, criminal investigation of all misdemeanors and felonies, traffic law enforcement, traffic crash investigation, special events management, and crime prevention programs.

The University Police Department has an excellent working relationship with all local law enforcement agencies. The University Police maintain 24-hour contact with local, national, and international law enforcement agencies via computer networks such as the Florida Crime Information Center and the National Crime Information Center. The Florida Department of Law Enforcement and other local, state, and federal agencies are available to assist the University Police upon request.

University Police Department Location:

The USF St. Petersburg Police Department is located near the intersection of Fifth Avenue South and Second Street South. The emergency number is "9-1-1" and the non-emergency number is (727) 873-4140.

Victims' Advocacy Program

Location: BAY 117 **Hours:** 8 am – 5 pm Monday - Friday. After hours (727) 698-2079.

This service is coordinated by the Center for Counseling, Health & Wellness at USF St. Petersburg. The service is available to assist all USF students or employees who are victims of actual or threatened violence, including but not limited to battery, assault, sexual battery (date, acquaintance or stranger rape), attempted sexual battery, stalking, or sexual harassment. The victim advocate provides information, support and guidance including short-term crisis intervention, assistance through the campus judicial process, referral to community-based victim assistance programs, help in resolving academic problems resulting from victimization, and referral for necessary counseling, medical, legal and social service assistance.

Advocates are available to provide crisis intervention, options, assistance and referrals. Police reports are not necessary to receive services from an advocate, and services are free and confidential.

Important numbers:

St. Petersburg Police Emergency	911
USFSP Police	(727) 873-4140
USFSP Victim Advocate	(727) 698-2079
USF Tampa Victim Advocates	(813) 974-5757
Pinellas County Rape Crisis Line	(727) 530-7233
Domestic Violence Crisis Line	
South County: CASA	(727) 895-4912
North County: The Haven	(727) 442-4128
Emergency Mental Health	(727) 791-3131

ACADEMIC SERVICES

Undergraduate Academic Advising Center

Location/phone: DAV 134, (727) 873-4511

Web site: <http://www.stpt.usf.edu/advising>

The Undergraduate Academic Advising Center is dedicated to promoting the successful achievement of students' academic goals through comprehensive advising services. The Center's primary responsibility is to provide academic advising to undergraduate students. The following services are provided to undergraduate students: assistance regarding academic policies and procedures, completion of requirements for graduation, selection of a major, course registration, preparation for limited access programs, and special programs for at-risk students.

Academic Success Center

The mission of the Academic Success Center is to encourage academic excellence and to help students achieve their educational goals. Through individual and small group tutoring, academic counseling, workshops, seminars, and credit courses, the ASC helps students improve their learning skills, become self-directed learners and succeed at USF St. Petersburg and in their future studies.

Tutoring and Instruction

The Academic Success Center offers free individual tutoring for students who want to improve their knowledge of course content. Peer tutors are chosen based on personal interview, faculty

recommendations, and grades. They also complete an educational program to learn effective tutoring approaches.

Subject areas:

Writing: Our consultants work one-on-one with writers during all stages of the writing process, providing assistance at all levels and in all academic disciplines. They help the writer identify strengths and areas for improving the clarity of the writing. The focus of consultation is on creating a document that is entirely the student's rather than on proofreading or editing.

Math and Statistics: Individual tutors can help with all math and statistics as well as with quantitative subjects in the social and behavioral sciences.

Chemistry: Tutoring is available for General Chemistry I and II, and Organic Chemistry.

Business courses: Business tutors can help with accounting courses including Financial and Managerial Accounting and Intermediate Financial Accounting I, II, and III. They can also assist students in Business Calculus, Micro and Macroeconomics, and Business and Economic Statistics I and II.

Spanish: One-on-one and small group tutoring sessions are available. The Center's computers are also used for language review.

Workshops and Seminars

Workshop schedules are developed each semester and include the following topics:

Time Management	Overcoming Procrastination
Strategies for Achievement	Motivation and Personal Power
Learning from Lectures	Learning from Textbooks
Understanding Your Learning Style	Preparing for Exams
Test Anxiety	Math Anxiety

Academic Counseling

A professional counselor works with students one-on-one to achieve their academic goals. All students who want to improve their academic performance can benefit from confidential counseling and the opportunity to discuss specific concerns about college. During counseling sessions, the counselor and the student explore specific strategies to improve learning and course performance.

Academic Resources

The Academic Success Center houses a variety of resources designed to fit student's needs:

- Open Computer Lab with 10 Internet-ready computer stations
- Course syllabi, test-item banks and supplemental texts
- Book, computer, and video resources to improve your study strategies and approaches to learning
- Free printing for academic assignments

Course Credit for Achieving Academic Success

Each semester the Academic Success Center offers a three-credit course called Learning Strategies for Success in College. Students learn achievement strategies that successful people use when they face challenging situations. The course focuses on developing and practicing "study skills" in the context of setting goals, taking personal responsibility, seeking information and using feedback. For registration information, call the Academic Success Center, view the College of Arts and Sciences course listings or speak to your academic advisor.

Preparation for Standardized Tests and Graduate School Admission

The Center offers tutoring assistance to prepare graduate application statements and for preparing for standardized tests including:

- CLAST Mathematics, English Language Skills, Reading, and Essay
- Graduate Record Examination
- Graduate Management Admission Test
- Law School Admission Test

Become a Campus Tutor

Students who like to help others in an academic setting may participate in the Center's Tutor Training Program. Prospective tutors learn about the skills involved in effective tutoring and practice them in real tutoring sessions. Participation in the program may lead to employment in the Academic Success Center.

SAT Preparation Program

The Center offers Pinellas County high school students an eight-week Saturday program to prepare for the SAT. The program includes diagnostic pre-testing, individual and small group instruction, and free access to the SAT Online Course.

Academic Success Center Hours of Operation

Monday - Thursday	8 a.m. - 9 p.m.
Friday	8 a.m. - 5 p.m.
Saturday	9 a.m. - 2 p.m.

Academic Success Center
 TER 301
 USF St. Petersburg
 140 Seventh Avenue South
 St. Petersburg, FL 33701
 Phone (727) 873-4632
<http://www.stpt.usf.edu/success>

Parking and Transportation

Do you have to have a parking permit?

Parking permits are required for all vehicles parking at USF St. Petersburg 24 hours a day, 7 days a week. Each person may purchase only one vehicle permit (additional permit for motorcycle and/or bicycle are allowed). Permit campus designation is based on home campus/class location. For additional permit information, call 873-4480.

Do visitors need a parking permit?

Yes. Effective July 1, 2007 a daily parking fee of \$4.00 for a daily permit was implemented. The Fee is applicable to visitors and event attendees who park in campus lots.

How do you obtain a permit?

Parking permits may be purchased at the Cashier's Office located in Bayboro Hall. The hours of operation are Monday through Thursday from 8:00 a.m. to 6:00 p.m. and Friday from 8:00 a.m. to 5:00 p.m. (A copy of the vehicle registration and a valid driver's license is required.) Permits also may be purchased by mail at the following address:

Parking Services
 USF St. Petersburg
 140 7th Avenue South, BAY 132
 St. Petersburg, FL 33701

How can I get help when I have a problem with a vehicle?

Low Tire? Keys locked in car? Need to jump-start your car? You can call Campus Police at 873-4140.

Need an escort to your car?

Call Safe Team at 873-4723 or Campus Police at 873-4140 for evening escort to your vehicle.

What happens if you get a parking ticket?

Parking regulations are designed to provide safe and orderly parking. Violation of these regulations can result in parking citations, immobilization of your vehicle, towing, or loss of parking privileges. Creating, modifying, or altering a parking permit is a serious parking violation and will result in immediate immobilization or towing of the vehicle. Respond to parking citations within 14 business days of issuance to avoid a late fee of \$15. Most common citations are for no decal, expired parking meter, and parking out of assigned area. For additional information, call 873-4480.

Questions?

Additional information may be obtained by calling 873-4480 or by visiting the Parking Services website:

http://www.stpt.usf.edu/parking_services

Library Services

Media and Distance Learning Services

The Media Center in Poynter Library offers a large array of media and distance education technologies. This 7,500 square foot facility provides six large and small group listening and viewing rooms for all audio and video formats, and an instructional materials center and juvenile collection reading area that seats 44. It also provides for duplication of copyright-compliant learning resources for students and faculty. Media Services provides audiovisual technologies for instructional support in all campus classrooms. A broadcast studio located in the library Media Center is equipped to receive and send regularly scheduled classes in various digital formats, as well as video conferences or other televised activities. The class schedule for distance learning courses received or transmitted at USFSP and its distance learning sites is included in the regular USF St. Petersburg course catalog.

Further information regarding these services may be found on the web at www.nelson.usf.edu/im/ and www.dl.usf.edu/.

Poynter Library

The Nelson Poynter Memorial Library, opened in 1996, provides library services for USF St. Petersburg. Poynter Library is open 79 hours per week when school is in session. Reference librarians are also available to help with classroom library instruction for faculty and with individual research assistance for students. Other library services include circulation, reserves (both print and electronic), interlibrary loan, and copier and media services. The library also provides a wireless network that provides access to electronic library resources as well as Microsoft Office programs. Over 225,000 books and approximately 800 periodicals are cataloged and arranged on open shelves using the Library of Congress classification system. A valid USF St. Petersburg ID card (available through Poynter Library's Media Services) is required to check out materials and to access various library services. Circulation, interlibrary loan, and other library guidelines and procedures are posted on the library web site: www.nelson.usf.edu.

A USF St. Petersburg ID number also provides remote access to the USF Libraries' electronic resources. This electronic library features USF's online catalog, an electronic course reserve system, over 3,000 electronic journals, hundreds of databases, and digitized historical materials such as photographs, documents, and oral histories. Numerous library services such as interlibrary loan request forms, the ability to renew materials, and reference assistance requests are also available online. Through the online catalog and interlibrary loan services, students and faculty have access to all six libraries within the USF Library System, a combined collection of over 1,500,000 volumes. Catalogs of other state university libraries are also available. Information about obtaining a Net ID number for remote access to library resources is available at <https://una.acomp.usf.edu/>

USF St. Petersburg I.D. Card

Location/Phone: Media Center, Nelson Poynter Library (POY 221), 873-4409. Card cost is \$15, payable in advance at the Cashier's Office, BAY132.

The USFCard is the official I.D. card of USF St. Petersburg. University policies require that all student, faculty and staff members carry the USFCard while on campus. A valid ID card number is necessary to access many online academic and library services, including services to distance learners. Students may be denied services if they do not have one. For additional information: www.auxsvc.usf.edu/usfcard.html

Office of Campus Computing

Web Site: <http://www.stpt.usf.edu/docs/lab/index.html>

Student Helpdesk: BAY 228, phone: (727) 873-4551

USF St. Petersburg Open-Use Computer Lab: BAY 226, phone: (727) 873-4551

Dialup Document Web Site: www.acomp.usf.edu/access.html

Web Email Access: <https://mailbox.acomp.usf.edu/>

The Office of Campus Computing at USF St. Petersburg is responsible for all functions that involve voice, computing, and data communication services. The St. Petersburg Regional Data Center (SPRDAC) and Campus Computing Services (CCS) are part of the Office of Campus Computing and support these functions. The Office of Campus Computing is also involved in the planning and implementation of the information technology necessary to support the evolution of USF as a major research institution and the development of academic programs that require technology.

Campus Computing Services (CCS) provides services in direct support of instruction and research for students and faculty. CCS provides the resources and support necessary for faculty to bring technology into

the classroom. Student support services are provided through the CCS Help Desk and open-use computer labs. Walk-in assistance for computer questions is available. All USF St. Petersburg students are provided with a NetID and email account. Registered students can obtain automatically generated NetID and email accounts and passwords at <https://una.acomp.usf.edu>.

Desktop computers, printers, and other associated equipment are maintained in open-use computer labs at USF St. Petersburg to enable students, faculty, and staff access to the network and provide processing support. Other services include phone support, on-line help, and tutorials. The open-use computer labs provide significant hours of access, normally six days (72 hours) a week.

Classroom Technology Resources (CTR), a division of Campus Computing Services, was established to support the computer technology needs of USF St. Petersburg faculty and students in a classroom setting. CTR provides the computing resources necessary for instructors to enhance the learning experience of all USF St. Petersburg students. Each campus classroom is equipped with adjustable lighting, an Internet connected Dell Optiplex computer with CD/DVD, Microsoft Office and Internet Explorer, a VCR, and a large screen multimedia presentation monitor.

The St. Petersburg Regional Data Center (SPRDAC) is a division within the Office of Campus Computing, and its support staff consists of Systems and Network Support, Hardware Repair and the SPRDAC Computer Store. SPRDAC operates as a computing utility, and provides the primary computing support for USF St. Petersburg and other agencies. SPRDAC administers the servers that are home to USF St. Petersburg Web services, telephone services, voice mail, applications software, print services, faculty/staff file storage, and administrative applications. For more information see <http://www.stpt.usf.edu/docs/lab/sprdac.html>.

The SPRDAC site includes:

- Sixteen (16) Window servers and three (3) Sun UNIX servers
- Casi-Rusco keyless entry service
- Video surveillance service
- Network Operations Center
- Cisco IP telephone service
- Trane energy management to the campus community.

SPRDAC is also responsible for the management and operation of STPnet, the campus-wide Backbone Network providing access to research facilities on campus and the world. STPnet is based on Ethernet technology, and SPRDAC is responsible for monitoring, cabling and its design. This switched network operates at speeds of over one billion bits per second and provides the infrastructure to transport vast amounts of information, voice, graphics and video needed to achieve institutional goals and position USF St. Petersburg as a major research institution.

The SPRDAC Computer Store was formed within the Office of Campus Computing as the authorized Dell reseller for USF St. Petersburg and provides departments, faculty, staff, and students with computers at the lowest possible cost. SPRDAC Hardware Repair provides Dell authorized warranty, upgrade, and repair services. All of the information concerning the computer store, including current products and pricing, can be found at: http://www.stpt.usf.edu/docs/lab/dell/acc_ret.htm.

ACADEMIC POLICIES AND PROCEDURES

The Office of Admissions & Records maintains the official academic records for all students and course registrations for currently enrolled students. Students are encouraged to contact the Office of Admissions & Records about general questions concerning academic policies and procedures of their current registration or academic record.

Note: Each student must be aware of the University's academic policies and procedures insofar as they affect him/her.

Academic Regulations and Information

Semester System

USF St. Petersburg operates on a semester system. Semesters begin in August and January with Summer Sessions beginning in May and June. See Academic Calendar for appropriate dates.

Academic Load

The maximum load of an undergraduate student is 18 hours (Fall & Spring semesters) and 14 hours (Summer Term) unless approval is received from the dean or an authorized representative of the student's college. Students classified as Undecided must receive approval from the freshman/sophomore advisors in the Advising Center. In the Fall or Spring Semester 12 hours is the minimum load for a student to be considered as full-time.

Full-time Undergraduate Student Definition - Summer Term

Sessions "A" & "B" (6 weeks)

For: Academic purposes - 6 hours or more each session

For: Financial aid - Students must enroll for 12 hours (undergraduate) in any combination of Sessions "A," "B", and "C."

Session "C" (10 weeks)

For: Academic purposes - 9 hours or more

For: Financial aid - Students must enroll for 12 hours (undergraduate) in any combination of Sessions "A," "B", and "C."

Students receiving Veterans Administration benefits should confirm their Summer Term enrollment with the Office of Veterans Services or Veterans Coordinator.

Undergraduates may not enroll in 6000-level courses or higher without approval of the college/department in which the course is offered.

Availability of Courses

USF St. Petersburg does not commit itself to offer all the courses, programs, and majors listed in this catalog unless there is sufficient demand to justify them. Some courses, for example, may be offered only in alternate semesters or years, or even less frequently if there is little demand.

Transfer of Credit to USF

USF will accept credits only from those institutions accredited by one of the accrediting agencies/commissions recognized by USF. However, USF St. reserves the right to deny credit for specific courses. The receipt and evaluation of total transfer credit are the responsibility of the Office of Admissions & Records. The college of the student's major will determine which courses are applicable toward a specific degree and will assign equivalent courses (see Evaluation of Transfer of Credit under Admissions and Related Matters).

USF subscribes fully to all of the provisions of the statewide Articulation Agreement (Rule 6A-10.024) and strongly recommends that students complete the Associate of Arts degree, or in certain prior approved areas, the Associate of Science degree, before transferring. Special details for students who do not plan to complete the associate's degree requirements are available from the Office of Admissions & Records. Also, all transfer students should refer to other entries about undergraduate transfers in the Admissions section of this catalog.

Former Student Returning

The Office of Admissions & Records will evaluate the acceptability of transfer of credits taken at regionally-accredited institutions since last enrolled at USF. The college of the student's major will determine which courses are applicable for his/her major. In some instances, exact course equivalents will also be determined by other colleges that offer the same or similar course(s) as a part of their programs of study.

Continuously Enrolled Degree-Seeking Student

The Office of Admissions & Records will determine the acceptability of transfer credits for continuing, degree-seeking students who take courses at regionally accredited institutions. However, PRIOR WRITTEN APPROVAL MUST BE OBTAINED from the college of the student's major if these credits are to be applicable to the USF degree program. A properly-executed Transient Student form or Cross Enrollment form should be used for this purpose.

Registration for Admitted Degree-Seeking Students

Continuing degree-seeking students register by appointment for their next semester's courses during the preceding term, either by internet or in person (regional campuses only). Appointment times and instructions for all registration periods may be viewed on USF's OASIS on-line schedule of classes for the appropriate semester.

Prior to initial registration, all newly admitted undergraduate students and readmitted former undergraduate students returning are required to participate in an orientation/academic advising program. Newly admitted students and readmitted Former Students Returning receive orientation information by calling (727) 873-4181, advising information by calling (727) 873-4511, and registration information by calling (727) 873-4142.

Registered students may make schedule adjustments in the regular registration period during the preceding term or in the drop/add period during the first week of classes. (Deadline information is available in the Academic Calendar.)

Degree-seeking students who do not register prior to the first day of classes may late-register the first week of classes. A \$100.00 late registration fee is charged during this week. (See the section on fees for additional information and the appropriate term's Schedule of Classes for dates.) To avoid cancellation of registration, fees are due and payable for all registered courses of record on the fifth day of classes (end of drop/add period). (See Academic Calendar for dates.)

NOTE: A Mandatory Medical History Form is required for all students (regardless of age). According to Florida Administrative Code Rule 6C-6.001(4), "Each student accepted for admission shall, prior to registration submit on a form, provided by the institution, a medical history signed by the student."

IMMUNIZATION POLICY

1. Introduction

The University of South Florida requires the following immunizations for registration and specific immunization in order to be eligible for on-campus housing.

2. Statement of Policy

A. ALL STUDENTS MUST HAVE:

- MEASLES – proof of immunity if born after 12/31/1956
- RUBELLA – proof of immunity if born after 12/31/1956
- HEPATITIS B – proof of immunity or signed waiver declining the vaccine
- MENINGITIS – proof of immunity or signed waiver declining the vaccine except as listed below

B. IN ADDITION, STUDENTS ELECTING TO LIVE IN ON-CAMPUS HOUSING MUST HAVE:

- MENINGITIS – Medical documentation of immunization with Meningitis vaccine. Declining by waiver of this vaccine is not acceptable for students in on-campus housing. No student will be assigned housing without proof of vaccine.

C. MEDICAL HISTORY FORM (required for all students, regardless of age)

According to BOG Regulation 6.001(9), "Each student accepted for admission shall, prior to registration, submit on a form, provided by the institution, a medical history signed by the student." New admits will be provided a Medical history/Immunization Form with their admissions letter. In order to register, this form must be completed, signed, and returned to:

Office of Admissions and Records
 University of South Florida St. Petersburg
 140 Seventh Avenue South, BAY 102
 St. Petersburg, FL 33701-5016
 Admissions & Records Fax: (727) 873-4525
 Telephone: (727) 873-4142

D. PROOF OF IMMUNIZATION

Proof of immunization that will be accepted for each disease is as follows:

1. MEASLES

- a. Medical documentation of immunization with TWO (2) doses of live measles virus vaccine on or after the first birthday and administered at least 28 days apart. Persons vaccinated with killed or an unknown vaccine prior to 1968 must be revaccinated. Persons born before 1957 may be considered to have had a natural infection and, therefore, do not need measles vaccine. The documented date of immunization for measles should indicate the day, month, and year. However, only month and year will suffice if the month and year indicate that the immunization was given at least 13 months after the month of birth OR
- b. Copy of laboratory serologic [IgG] evidence of measles immunity (IgG rubeloa titer) OR
- c. A written, dated statement signed by a physician on his or her stationery, that specifies the date seen, and states that the person has had an illness characterized by a generalized rash lasting three (3) or more days, a fever of 101 degrees Fahrenheit or greater, a cough, and conjunctivitis, and, in the physician's opinion, is diagnosed to have had the 10 day measles (rubeola).

2. **RUBELLA**
 - a. Medical documentation of immunization with live rubella virus vaccine on or after the first birthday. The documented date of immunization for rubella should indicate the day, month, and year. However, only month and year will suffice if the month and year indicate that the immunization was given at least 13 months after the month of birth OR
 - b. Copy of laboratory serologic evidence of rubella immunity (IgG rubella titer).
3. **HEPATITIS B**
 - a. Medical documentation of immunization with 3 doses of Hepatitis B vaccine OR
 - b. Copy of laboratory serologic evidence of Hepatitis B immunity (anti-HBs titer)
4. **MENINGITIS**
 - a. Medical documentation of immunization with Meningitis vaccine

E. EXEMPTIONS

1. **RELIGIOUS** - For religious exemption applications, contact Student Health Services at (813) 974-4056
2. **MEDICAL** – Requests for temporary or permanent medical exemptions must be submitted to USF Student Health Services by the attending physician, must include reason for exemption and duration of exemption.
In the event of a disease outbreak, student exempted from immunization requirements may be requested by the University, at the direction of the public health officials, to show titer proof of immunity, become immunized, or remain off campus for the duration of the outbreak.

All requests for exemptions will be reviewed to ensure consistency in application.

F. CONSEQUENCES

Students who fail to comply with the requirements as stated above will be blocked from registration and/or on-campus housing assignment. In specific circumstances, a temporary override may be granted, however, vaccination requirements must be completed before any further registration in subsequent terms will be permitted and current registration may be suspended if any deficiency in immunization status is identified.

SUS Health Insurance Requirement for International Students

The State University System of Florida requires that all international students have medical insurance in order to register for classes at USF.

Academic Advising for Undergraduate Students

USF St. Petersburg seeks to guide all students in selecting programs and courses best suited to their personal abilities, educational interests, and career objectives. Students who have been admitted to the University should meet regularly, by appointment, with their Academic Adviser in the Academic Advising Center located in Davis Hall 134. This Center also serves as an initial point of contact for non-admitted, prospective, and/or non-degree seeking students who need information about the University's academic structure.

All students are encouraged to establish an advising relationship with the Academic Advising Center and periodically visit their advisors to keep abreast of any policy, procedural, or curriculum changes that may affect them. In fact, some colleges require advisor approval of student programs each semester. It is important for students to keep in mind that, although the University provides advising services to assist students with academic planning, it is each student's responsibility to see that all graduation requirements are met.

Initial Advising and Registration

It is necessary that all students meet with their academic advisors prior to first-class registration. The purpose of this initial contact is to provide the advising unit with routine information to assist it in collecting and maintaining the necessary records to assure the student's proper progress toward education goals. Transfer students should bring an unofficial or student copy of their transcript(s) to this advising session.

Declaration of Major

First-year students often enter the university undecided about their career plans and intended majors and that usually creates little difficulty for them. Many of the more than 24 undergraduate majors at USFSP allow students considerable options in their early course choices. Conversely, many other majors, and often the most popular majors, require completion of particular courses within the first two years. In fields, such as education, business, and graphic design, students must satisfy state mandated course prerequisites and complete specific general education courses during the first two years to be admitted to those major as juniors and to allow graduation on a timely basis.

It clearly is advantageous for students to make early decisions about their majors to be on track and to remain on-track toward their degrees and to graduate in a timely manner. Students are urged to declare a major upon entry to the university. If they are unable to formally choose or declare a major or a pre-major they should follow the multi-semester inquiry-based (for undecided) curricula that best matches their interests.

All students must be officially declared in a major or a pre-major before they register for more than 36 credits. Beginning Fall Semester 2005, FTIC students who will have completed 36 or more credits at the end of the term in which they are enrolled will not be allowed to register for further credit coursework at the university until they have declared a major or pre-major.

Transfer students must declare their majors upon entry to the university. Many resources are made available by the university to assist students in making career decisions and choosing their majors. Information about these resources is readily available from academic advisors. All entering FTIC students who have not made a career/major decision upon entry to the university will be required to follow one of the multi-semester inquiry-based (for undecided) curricula offered by the university and enroll in the University Experience or Career Development Process course.

Advising for Limited Access Programs

Students are cautioned that admission to the University does not imply admission to all the programs and courses offered by the individual colleges; this is especially true with respect to colleges and programs with limited-access programs. Colleges such as Business, Education, and the Program in Graphic Design have been designated as limited-access colleges and require completion of certain prerequisites before a student may declare a major offered by one of the colleges or programs. It is important that students check the college sections of the catalog for advising and admission requirements. Students planning to enter a limited-access program should be aware that their admission by the college may be denied or delayed and should be prepared with alternative plans of action.

Course Attendance at First Class Meeting

This policy has been put into effect so that USF St. Petersburg may effectively utilize classroom space and to insure that all students have maximum opportunity to enroll in classes where demand exceeds availability of seats.

Students are required to attend the first class meeting of undergraduate courses for which they registered prior to the first day of the term. Names of students who register prior to the first day of the term are printed on the first class roll for each course section. The first class roll may be used by professors to drop students who do not attend the first day of class. Students having extenuating circumstances beyond their control and who are unable to attend the first class meeting must notify the instructor or the department **prior to the first class meeting** to request waiver of the first class attendance requirement. Students who add courses or late-register during the first week of classes will not be on the first class roll and, therefore, will not be dropped for non-attendance by the instructor. **To avoid fee liability and academic penalty, the student is responsible for insuring that he/she has dropped or been dropped from all undesired courses by the end of the 5th day of classes.**

This policy is not applicable to courses in the following categories: Educational Outreach, Open University (TV), FEEDS Program, Community Experiential Learning (CEL), Cooperative Education Training, and courses that do not have regularly scheduled meeting days/times (such as, directed reading or study, individual research, thesis, dissertation, internship, practicums, etc.). **Students are responsible for dropping undesired courses in these categories by the 5th day of classes to avoid fee liability and academic penalty.**

General Attendance

Only officially registered students or students approved to audit a class are entitled to attend class. Students are responsible for being aware of all instructor-based and University issued attendance policies and the requirements of the registrar for enrollment, drop/add and fee liability. Students are responsible for completing the academic requirements of each class as defined by the instructor and as set forth in any class syllabus. An instructor may make attendance mandatory and may impose penalties, including failing a class, for excessive absences. It is university policy that student absences will be excused for military duty, jury duty, and religious days (as set forth in University policy 10-045). Excused absences for other

documented reasons may be allowed at the discretion of the instructor. Though excused, the student is responsible for completing all academic work, examinations, assignments and labs in a timely fashion.

Jury Duty

The University respects the need for all citizens to serve on a jury when called to duty. If a student serves as a juror, class absences will be considered excused when the student provides advance notice to the instructor, the instructor acknowledges the request, and the student provides written verification of jury selection and proof of service. It is important to note that excused absence only applies to physical presence, and not to the academic work missed. A student, though excused, is responsible for all academic work, examinations, assignments and labs if applicable. These issues are unique to University students and clearly may present undue hardship for a student to serve while enrolled in an active course of study.

Any potential student juror may notify the court of conflicts or undue hardship and request an excuse from service. The individual student must make the decision as to whether jury service will present an undue hardship and then take the affirmative action to request to be excused from service and may need to provide a written explanation to the court. If a student does not request to be excused and is selected to serve, the student may miss a prolonged period of time resulting in the inability to complete the academic requirements of classes.

Religious Days

The university has an official Attendance Policy for the Observance of Religious Days (University policy 10-045) which provides that all students, faculty, and staff at the University have a right to expect that the University will reasonably accommodate their religious observances, practices and beliefs.

Students are expected to attend classes and take examinations as determined by the University. The University will, at the beginning of each academic term, provide written notice of the class schedule and formal examination periods. The university, through its faculty, will make every attempt to schedule required classes and examinations in view of customarily observed religious holidays of those religious groups or communities comprising the University's constituency. No student shall be compelled to attend class or sit for an examination at a day or time prohibited by his or her religious belief.

Students are expected to notify their instructors at the beginning of each academic term or as provided in the course syllabus if they intend to be absent for a class or announced examination, in accordance with this policy. Students absent for religious reasons will be given reasonable opportunities to make up any work missed in the event that a student is absent for religious reasons on a day when the instructor collects work for purposes of grading (homework, pop quiz, etc), the student shall be given a reasonable opportunity to make up such work or shall not have that work averaged into the student's grade at the discretion of the instructor. Any student who believes that he or she has been treated unfairly with regard to the above may seek review of a complaint through established University Academic Grievance Procedures (found in the Graduate and Undergraduate Catalogs) and those provided by the University's Office of Diversity and Equal Opportunity.

Schedule Changes

PLEASE NOTE: Class days, times and room assignments are subject to change as late as the first day of classes. For updates, please check OASIS at www.stpt.usf.edu. Click on "Class Schedule Search."

Adds

After a student has completed his/her registration on the date assigned, he/she may add courses on a space-available basis until the add deadline specified in the Academic Calendar. See the appropriate semester's University Schedule of Classes for detailed instructions and dates.

Drops

A student may drop a course(s) during the regular registration and drop/add periods (first five days of classes). No entry of the course(s) will appear on any permanent academic records and full refund of fees is due for course(s) dropped within those periods.

A student may also drop a course(s) between the second and tenth week of the semester (except for Summer sessions - see the Summer Schedule of Classes for dates). Registration fees must be paid for the course(s) and the academic record will reflect a "W" grade for the dropped course(s). Courses dropped after the ninth week deadline (see Academic Calendar for date) will result in an automatic "F" grade.

Auditing Privileges and Fees

A student who wishes to sit in on a class to review the course material may do so; however, the student is not allowed to take exams, earn grades, or receive credit. The student's status for that class is an audit

and his/her presence in the classroom is as a listener. A student must register to audit courses during the late registration period. (No audit registrations are processed during the regular registration periods.) Fees for audit are the same as for full enrollment for credit except out-of-state tuition is not charged. See University Schedule of Classes for detailed instructions and dates.

Cancellation Before First Class Day

Students may cancel their registration by notifying the Office of the Admissions & Records in writing prior to the first day of classes. If fees have already been paid, the student may request a full refund of fees from the Cashier's Office.

Withdrawal

A student may withdraw from the University without academic penalty during the first ten weeks of any term (except for Summer Sessions). He/she must submit a completed Withdrawal Form to the Office of Admissions & Records. No entry is made on the academic record for withdrawals submitted during the first week of the term. All subsequent withdrawals (through the tenth week of classes in the Fall and Spring Semesters) are posted to the academic record with "W" grades assigned to the courses. Withdrawal deadlines for the Summer sessions are listed in the Academic Calendar and are published in the Schedule of Classes for the Summer Term. Students who withdraw may not continue to attend classes.

Students who withdraw during the drop/add period as stated in the Academic Calendar may receive a full refund of fees. All refunds must be requested in writing from the Cashier's Office. No refund is allowed after this period except for specified reasons. See Refund of Fees under Financial Information for complete details.

Repeat Course Surcharges

Initiated by the Florida Legislature (H.B. 1545 of 1997) to reduce costs, all state universities must monitor undergraduate student progress and charge students the full cost of instruction for certain repeats of undergraduate courses. This policy became effective Fall 1997 and requires USF St. Petersburg to charge students a substantial per-credit-hour surcharge when they attempt a course three or more times at USF, unless the course is specifically designed to be repeated or is required to be repeated by their major. Requirements to earn a passing or higher grade than previously earned in a course do not exempt the surcharge. Students will be required to pay the surcharge in addition to the appropriate in-state or out-of-state tuition rates. It is important to note that all attempts count, including withdrawals after the first week of classes and courses with incomplete grades.

The University may grant exceptions to this rule based on extenuating circumstances and financial hardship. However, the University may only approve one appeal per course. The exceptions included in the Statute are extenuating circumstances and financial hardship and are defined as follows:

Extenuating circumstances are those circumstances determined by the University to be exceptional and beyond the control of the student and may include but not be limited to serious illness, documented medical condition preventing completion; death of an immediate family member, involuntary call to active duty, university error, other emergency circumstances or extraordinary situations.

The criteria used by the University for determining financial hardship should include, but not be limited to, qualification for federal need-based financial aid. Students with other documented financial hardships may also be considered.

The student must fill out a Fee Adjustment Request Form and indicate the request is for a waiver of the repeat course surcharge. He/she must also submit a statement that explains the request and provide all documentation relating to it. The completed form with documentation should be submitted to the Office of Admissions & Records for consideration. If a student's request is denied, he/she may appeal the decision to the Office of the Dean of Enrollment Services.

Transcript Information

Transcripts of a student's USF academic record may be released only by authorization of the student online at <http://usfonline.admin.usf.edu/> or in person by writing to the Office of the Registrar. By law, requests must include the student's identification number, the date and the student's signature or must be affected online via the student's 6-digit self-assigned personal identification number (PIN), which is essentially the student's electronic signature. In order for transcripts to be issued, the student must have no financial obligations to the University. Transcripts are normally mailed/ready for pick-up within two working days after the request is received. USF Transcript Request forms are available in the following offices: Tampa Campus Registrar's Office, regional campuses' Records & Registration offices, and all campuses' Cashier's offices.

Letter requests must include: (1) date of request and student's current address; (2) student ID number and full name; (3) name and complete address of recipient; and (4) number of copies and special instructions, such as, "hold for degree statement" or "hold for current term grades," and the student's

signature. Degree statements are posted approximately four to six weeks after the final exams end. If grades for the current term are needed, clearly indicate that the transcript request is to be held for grades.

To order transcripts by mail, send payment (\$8.00 per copy, check or money order only) and Request Form or letter to:

University of South Florida
 Transcript Clerk, Registrar's Office
 4202 E. Fowler Avenue, SVC 1034
 Tampa, FL 33620-6950

To order a transcript in person, hand carry payment (check, money order or cash) and Request Form or letter to a USF Cashier's Office at any of the following Campus locations:

Tampa - ADM 131
 St. Petersburg - Davis Hall, Rm. 129
 Sarasota - Lobby, Building D
 Lakeland (Drop Box) - Bldg. E, Rm. 2127

Transcript request forms are available in these locations. Students may complete the request process in one stop at the cashier's office. Note: Transcript fees are subject to change.

College Level Academic Skills Test

The College Level Academic Skills Test (CLAST) is a part of Florida's system of educational accountability. CLAST is a state-mandated achievement test that measures attainment of communication and mathematics skills expected of students completing their sophomore year in college. These skills were identified by the faculties of community colleges and state universities and adopted by the State Board of Education. A student must pass the CLAST or achieve alternate criteria to receive an Associate in Arts or a baccalaureate degree from any Florida public institution.

Please Note: CLAST exemptions or waivers are not acceptable for admission to or graduation from programs in the College of Education.

The CLAST requirement is considered met for any student entering the university with an A.A. from a Florida public college or university or a baccalaureate degree from a regionally accredited or comparable international institution.

The State Board of Education has established minimum CLAST score standards for awarding the Associate in Arts degree and for the baccalaureate degree from October 1, 1992 as follows: Reading, 295; English Language Skills, 295; Mathematics, 295; and Essay, 6.

CLAST may be taken by undergraduate, degree-seeking students who have earned 18 semester hours or the equivalent and who apply to take the test on or before the deadline established for registration. Students at USF are required to take the CLAST by the time they complete 45 semester hours. First-time-in-college and lower-level transfer students are encouraged to take the CLAST as early as possible. Transfer students should take the CLAST the first semester they are enrolled as degree-seeking students if they have already exceeded the 45 hours from previous institutions.

If the CLAST requirement has not been satisfied by the time a student completes 60 semester hours, the student may not register for classes until he/she has visited the following website: <http://www.ugs.usf.edu/student/CLAST/index.htm>. A course or method of preparation to remediate content covered in the failed subtest(s) will be selected and required. Further registration may be restricted for failure to attend the designated preparation.

If the CLAST requirement has not been satisfied after completing 60 hours of coursework, a student may enroll in up to 36 hours of additional 3000-4000 level coursework. At this point, course registration will be restricted to 1000 and 2000 level courses. **Students seeking information regarding appropriate CLAST preparatory options should schedule an appointment with their academic advisor by calling 727-873-4511. Further registration at USF will be denied for failure to complete the required preparation.**

Students may receive exemptions for the CLAST examination by achieving specific EACT or SAT-I scores, or by earning a 2.5 GPA in specific courses. Exemptions are awarded for the communication subtests of CLAST if an SAT-I Verbal score of 500 or an EACT English score of 21 and an EACT Reading score of 22 are achieved. Exemptions are awarded for the mathematics CLAST subtest if an SAT-I Mathematics score of 500 or an EACT Mathematics score of 21 is earned. Students receive exemptions from the CLAST communication subtests if a 2.5 GPA is achieved in at least six hours of ENC 1101 and ENC 1102. Exemptions from the CLAST mathematics subtest are issued when students have earned a 2.5 GPA in at least six hours of MAC 1105 or higher, MGF 1106 or higher and STA 1022 or higher. Any combination of these courses is permissible, providing only one statistics course is used to calculate the six-hour mathematics GPA. A maximum of four hours of credit earned through AP, IB, CLEP or other acceptable equivalency programs may be used toward qualification for each CLAST exemption.

Waivers from individual CLAST subtests are granted in two situations: 1) a specific documented learning disability prevents the student from achieving the skills set forth in SBE 6A-10.0316 (consult with Academic Support and Accommodations for Students with Disabilities) and; 2) a student has successfully completed

courses related to a specific subtest, but has failed to satisfy the CLAST requirement with a passing score or an exemption. After failing a CLAST subtest four times and successfully completing a specific three-hour course related to the failed subtest, a student may apply for a waiver by submitting appropriate documentation to the student's college CLAST coordinator. A list of approved courses to satisfy this requirement is available at <http://www.ugs.usf.edu/student/clast/index.htm>.

Courses to Satisfy Rule 6A-10.030 ("Gordon Rule")

Prior to receipt of an Associate in Arts degree from a public community college or university or prior to entry into the upper division of a public university or college, a student shall complete successfully the following:

- a. Six (6) semester hours of English coursework and six (6) semester hours of additional coursework in which the student is required to demonstrate college-level writing skills through multiple assignments. Each institution shall designate the courses that fulfill the writing requirements of this section. These course designations shall be submitted to the Statewide Course Numbering System. An institution to which a student transfers shall accept courses so designated by the sending institution as meeting the writing requirements outlined in this section.
- b. Six (6) semester hours of mathematics coursework at the level of college algebra or higher. For the purposes of this rule, applied logic, statistics and other such computation coursework which may not be placed within a mathematics department may be used to fulfill three (3) hours of the six (6) hours required by this section.
- c. Students awarded college credit in English based on their demonstration of writing skills through dual enrollment, advanced placement, or international baccalaureate instruction pursuant to Rule 6A-10.024, F.A.C., and students awarded college credit based on their demonstration of mathematics skills at the level of college algebra or higher through one (1) or more of the acceleration mechanisms in Rule 6A-10.024, F.A.C., shall be considered to have satisfied the requirements in subsection 6A-10.030(2), F.A.C., to the extent of the college credit awarded.

Note: The Gordon Rule communication and computation requirements are considered met for any student entering the university with an A.A. from a Florida public community college. Gordon Rule communication requirement is considered met for any student entering the university with 60 or more hours.

Communication (12 semester hours)

AFA 2000	Introduction to the Black Experience [In Africa and Its Diaspora]	3
AFA 4150	Africa and the United States	3
AFA 4335	Black Women in America	3
AFS 2250	Culture and Society in Africa	3
AFS 3153	African Literature Survey	3
AMH 3510	U.S. Diplomatic History to 1898	4
AML 3604	African American Literature	3
AML 4303	Zora Neale Hurston: Major Works	3
AML 4624	Black Women Writers	3
AMS 3001	American Culture 1880-1915	4
AMS 3260	American Culture, 1830-1860	4
AMS 3370	Southern Women: Myth and Reality	3
ANT 4231	Folklore	3
ANT 4241	Magic and Religion	3
ANT 4340	The Caribbean	3
ANT 4432	The Individual and Culture	3
ANT 4620	Language and Culture	3
ANT 4750	Language and Social Interaction	3
ANT 4935	Rethinking Anthropology	3
ARC 4784	The City	3
ARH 4710	History of Photography	4
ARH 4721C	History of Printmaking	3
ARH 4724	History of Graphic Design	4
ARH 4800	Critical Studies In Art History	4
CHM 4070	Historical Perspectives in Chemistry	3
CIS 4250	Ethical Issues And Professional Conduct	3
CIS 4253	IT Ethics	3

CLA 3501	Women in Antiquity	3
CLT 3103	Greek Literature in Translation	3
CLT 3123	Roman Literature in Translation	3
COM 4020	Communicating Illness, Grief, and Loss	3
COM 4030	Women and Communication	3
COM 4710	Writing Lives	3
CRW 2100	Narration and Description	3
CRW 3111	Form and Technique of Fiction	3
CRW 3112	Fiction I	3
CRW 3121	Fiction II	3
DAN 2100	Introduction To Dance	3
DAN 4134	Dance History Through the 19th Century	3
EDF 3228	Human Behavior and Environmental Selection	3
EEC 4008	Literature in Early Childhood Education	3
EEX 4742	Narrative Perspectives on Exceptionality: Cultural and Ethical Issues	3
EIN 4243C	Human Factors	3
ENC 1101	Composition I	3
ENC 1102	Composition II	3
ENC 1121	Composition I: Honors	3
ENC 1122	Composition II: Honors	3
ENC 2210	Technical Writing	3
ENC 3246	Communication for Engineers	3
ENC 3250	Professional Writing	3
ENC 3310	Expository Writing	3
EVT 4651	Equity in Schools and the Workplace	3
FIL 2000	Film: The Language Of Vision	4
FIL 3845	World Cinema	4
FIL 4405	Film and Culture	3
FRT 3140	French Literary Masterpieces in English Translation	3
GEA 3405	Geography of Latin America	4
GEA 3500	Geography of Europe	4
GEO 4372	Global Conservation	4
HIS 4936	Pro-Seminar in History	4
HUM 4931	Seminar in Humanities	4
IDS 3115	Values and Choices	3
IDS 3663	Critical Issues Affecting the Arts	3
IDS 3668	Images of Contemporary Urban Culture	3
LAE 4414	Teaching Literature in the Elementary School, Grades K-6	3
LAE 4416	Teaching Literature and Writing in the Elementary Grades	3
LAE 4464	Adolescent Literature for Middle and Secondary Students	3
LIN 3801	Language and Meaning	3
LIT 2000	Introduction to Literature	3
LIT 2010	Introduction to Fiction	3
LIT 2030	Introduction to Poetry	3
LIT 2040	Introduction to Drama	3
LIT 3101	Literature of the Western World Through the Renaissance	3
LIT 3102	Literature of the Western World Since the Renaissance	3
LIT 3103	Great Literature of the World	3
LIT 3144	Modern European Novel	3
LIT 3155	Modern Literature	3
LIT 3301	Cultural Studies and the Popular Arts	3
LIT 3383	The Image of Women in Literature	3
LIT 3451	Literature and the Occult	3
LIT 4386	British and American Literature by Women	3

LIT 4463	Film and Culture	3
MUL 2111	Introduction To Music Literature	3
NGR 6121	Theoretical Foundations and Professional Role Development	3
NGR 6135	Ethical, Legal, and Policy Issues in Advanced Nursing Practice	3
NUR 4194	An Interdisciplinary Perspective in HIV Disease	3
NUR 4286	Geriatric Nursing: Population-based Perspectives on Nursing Care of Older Adults	3
NUR 4645	Substance Abuse Across the Lifespan	3
PAD 4144	Nonprofit Organizations and Public Policy	3
PET 4933	Seminar in Sports Medicine	3
PHH 2000	Introduction to Philosophy	3
PHH 4600	Contemporary Philosophy	3
PHH 4700	American Philosophy	3
PHI 1401	Science and Society	3
PHI 3700	Philosophy of Religion	3
PHI 4300	Theory of Knowledge	3
PHI 4320	Philosophy of Mind	3
PHI 4800	Aesthetics	3
PHM 3100	Social Philosophy	3
PHM 4331	Modern Political Philosophy	3
PHM 4340	Contemporary Political Philosophy	3
PHP 3786	Existentialism	3
PHP 4000	Plato	3
PHP 4010	Aristotle	3
PHP 4740	The Rationalists	3
PHP 4745	The Empiricists	3
PHP 4784	Analytical Philosophy	3
PHP 4788	Philosophy of Marxism	3
PHY 4031	Great Themes in Physics	3
POS 4413	The American Presidency	3
POS 4694	Women and Law II	3
POT 4109	Politics and Literature	3
PUP 4323	Women and Politics	3
REA 2105	Critical Reading and Writing	3
REL 3111	The Religious Quest in Contemporary Films	4
REL 3114	Comedy, Tragedy, and Religion	3
REL 3145	Women and Religion	3
REL 3170	Religion, Ethics and Society Through Film	4
REL 3308	World Religions	3
REL 3367	Islam in the Modern World	3
REL 3465	Religion and the Meaning of Life	3
REL 3500	History of Christianity	4
REL 3561	Roman Catholicism	3
REL 3602	Classics of Judaism	3
REL 3607	Introduction to Judaism	3
REL 3613	Modern Judaism	3
REL 4113	The Hero and Religion	3
REL 4171	Contemporary Christian Ethics	4
REL 4177	Comparative Religious Ethics	4
REL 4215	Ancient Israel and the Development of the Hebrew Bible	3
REL 4217	Who Wrote the Bible (Genesis-Kings)	4
REL 4218	Women and the Bible	3
REL 4670	Judaism and Christianity After the Holocaust	4
RUS 3500	Russian Civilization	3
RUT 3110	Russian Classics in English	3
RUT 3111	Twentieth-Century Russian Literature in English	3
SCE 4863	Science, Technology, Society Interaction	4

SPC 3425	Group Communication	3
SPC 4305	Communicating Emotions	3
SPC 4632	Rhetoric and Social Change	3
SYA 3310	Qualitative Inquiry	4
SYG 3235	Latina Lives	3
SYP 4420	Consumer Culture	3
THE 4174	New British Theatre and Drama	3
THE 4180	Theatre Origins	3
THE 4320	Theatre of Myth and Ritual/Northern European (950-1600) & Oriental (400-1200)	3
THE 4330	Shakespeare for The Theatre	3
THE 4360	The 19th Century Theatre Revolution	3
THE 4401	American Drama	3
THE 4434	Caribbean Theatre	3
THE 4435	Theatre of Pluralism	3
THE 4442	Comedy of The Classic And Neo-Classic Stage	3
THE 4562	Contemporary Performance Theory	3
WST 3210	European Feminist History: Pre-18th Century	3
WST 4262	Literature by Women of Color in the Diaspora	3
WST 4310	History of Feminism in the U.S.	3

All the above courses will require 6,000 written words per course. IDH courses will fulfill the writing requirement for all University Honor students only.

Computation (6 semester hours)

Any courses offered by the Mathematics Department may be used. Only one course from the following list (some of which are not in the Mathematics Department) may be used.

Course Number and Title	Semester Hours
CGS 2060 SC Introduction to Computers and Programming in Basic	(3)
PHI 2101 Introduction to Formal Logic	(3)
PSY 3204 Psychological Statistics	(3)
QMB 2100 Business And Economic Statistics I	(3)
STA 1022 Basic Statistics	(3)
STA 2122 Social Science Statistics	(3)

Note that CGS 2060 will not satisfy the USF General Education Quantitative Methods requirement.

CLEP general/subject examinations in mathematics, calculus, college algebra, college algebra-trigonometry, and trigonometry may satisfy this requirement.

Grades, Financial Aid Requirements, and Review Procedures

The University is interested in each student making reasonable progress towards his/her educational goals and will aid each student through guidance and faculty advising. To make students aware of their academic progress, the University has enacted a system of grading and policies of Academic Probation and Academic Dismissal that indicates whether or not a student is showing sufficient progress toward meeting degree requirements. Notations of Grades, Academic Probation and Academic Dismissal are posted to the student's academic record.

When a student is academically dismissed from the University and is ineligible to re-enroll, it may be in his/her best interest to re-evaluate his/her educational goals with an academic advisor at the college. If the student's poor academic performance has resulted from extenuating circumstances or if after a period of time the student feels he/she has gained adequate maturity and motivation, he/she may petition the Academic Regulations Committee for permission to re-enroll. See Academic Regulations Committee, for information on petitioning.

Academic Dismissal may have additional implications for a student receiving financial aid. If required, a student may need to complete the Satisfactory Progress for Financial Aid Recipients Petition. For more information, see http://usfweb2.usf.edu/finaid/nonyear/satisfactory_progress.htm.

Grading System

Effective Fall Semester, 2000, USF St. Petersburg faculty may use a plus/minus grading system to assign student grades. The use of the plus/minus grading system is at the discretion of the individual faculty member.

A student's measure of academic achievement is recorded on the academic record based on the following grading system:

		Plus/Minus Grades
A+		4.00
A	Excellent performance	4.00
A-		3.67
B+		3.33
B	Good performance	3.00
B-		2.67
C+		2.33
C	Average performance	2.00
C-		1.67
D+		1.33
D	Poor performance	1.00
D-		0.67
F	Failure	0.00

Other Grades

E	Course repeated, not included in GPA
FF	Failure/academic dishonesty
I	Incomplete
IF	Incomplete grade changed to Failure
IU	Incomplete grade changed to Unsatisfactory
M	No grade submitted by instructor
MF	Missing grade changed to Failure
MU	Missing grade changed to Unsatisfactory
N	Audit
S	Satisfactory
U	Unsatisfactory
W	Withdrawal from course without penalty
WC	Withdrawal for extenuating circumstances
Z	Indicates continuing registration.

Please note that the grade of C- will satisfy specified minimum requirements of the Gordon Rule courses and the common prerequisites unless otherwise specified in the Catalog.

Grade Point Average

The University uses the quality points listed above. The grade-point average (GPA) is computed by dividing the total number of quality points by the total hours attempted at USF. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. Credit hours for courses with grades of I, IU, M, MU, N, S, U, W, Z, and grades that are preceded by a "E" are subtracted from the total hours attempted before the GPA is calculated.

Credit hours for repeated USF coursework will be awarded only once per course unless the course is a university-approved repeatable course. "D" and "F" grades, however, for repeated USF coursework will be counted in the computation of the student's GPA as many times as those grades for that course are recorded. If a student originally earns a "C" or higher in a course that may not be repeated for additional credit and earns a "C" or higher on a subsequent enrollment the new grade is not computed in the USF GPA unless the forgiveness policy is being applied.

"I" Grade Policy

An "I" grade indicates incomplete coursework and may be awarded to graduate and undergraduate students. (Undergraduate rules apply to non-degree-seeking students.) It may be awarded to an undergraduate student only when a small portion of the student's work is incomplete and only when the student is otherwise earning a passing grade. Until removed, the "I" is not computed in the GPA for either undergraduate or graduate students. The time limit for removing the "I" is to be set by the instructor of the course. For undergraduate students, this time limit may not exceed two academic semesters, whether or

not the student is in residence, and/or graduation, whichever comes first. "I" grades not removed by the end of the time limit will be changed to "IF" or "IU," whichever is appropriate. Whether or not the student is in residence, any change to "IF" grades will be calculated in the cumulative GPA and, if applicable, the student will be placed on appropriate probation or academically dismissed. Students are not required to re-register for courses in which they are only completing previous course requirements to change an "I" grade. However, if a student wants to audit a course for review in order to complete course requirements, full fees must be paid.

"M" Grade Policy

An "M" is automatically assigned as a default grade when the instructor does not submit any grade for an undergraduate student. (Undergraduate rules also apply to non-degree-seeking students.) Until removed, the "M" is not computed in the GPA. The time limit for removing the "M" may not exceed one academic semester (whether or not the student is enrolled) and/or graduation, whichever comes first. "M" grades that are not removed by the end of the next semester/term will be changed to "MF" or "MU," whichever is appropriate. Whether or not the student is enrolled, any change to "MF" grades will be computed in the cumulative GPA, and, if applicable, the student will be placed on appropriate probation or academically dismissed.

S/U Grade System

No-option Courses. Certain courses have been designated as S/U courses. The "S" and "U" grades are used to indicate the student's final grade. These S/U only courses are identified with (S/U only) after the course definition in this catalog. No grading system option is available to students or faculty in these courses.

Option Courses. Any undergraduate course may be taken on an S/U basis by a student under the following conditions and restrictions:

1. Required courses in the major may not be taken on an S/U basis.
2. Specifically designated required courses in the distribution requirements of the student's college may not be taken on an S/U basis.
3. Courses to satisfy 6A-10.30 (Gordon Rule) may not be taken on an S/U basis.
4. Courses to satisfy USF's B.A. foreign language requirement may not be taken on an S/U basis.
5. All elective courses for the major and all elective courses in the distribution requirements, and all other free elective courses may be taken on an S/U basis except where:
 - a. The certifying college restricts the number of courses that may be taken on an S/U basis in any one or all of the above areas or restricts the total number of S/U courses that can be accepted for all of the above areas.
 - b. The certifying college specifies that certain courses may not be taken on an S/U basis.
 - c. The instructor of a course refuses to allow the course to be taken on an S/U basis.

Mechanism for Assigning S/U Grades. The method by which a student receives an "S" or "U" grade in an option course will consist of the following:

1. A written agreement signed by both instructor and student shall be filed with such offices as may be designated by the college. The college shall set the deadline (no later than the last day of classes for the term) for the student to decide if he/she wishes to take the course on an S/U basis.
2. The instructor shall assign final letter grades A, B, C, D, F, or I, but will transmit to the Registrar "S" or "U" consistent with the following:
 - a. Letter grade, A, B, C, or C- shall be equivalent to a letter grade of "S."
 - b. Letter grades D or F shall be equivalent to a letter grade of "U." "S" and "U" grades are not computed in the student's GPA.

Grade Forgiveness Policy

USF St. Petersburg's forgiveness policy permits an undergraduate to repeat a course and have the repeated grade computed in his/her GPA in place of the original grade, providing the repeat grade is posted as "D-" or higher (exception - see Honors at Graduation) and is higher than the first grade. Normally, grade forgiveness may only be applied to a specific course that a student chooses to repeat. No course taken on the S/U grade basis may have the grade forgiveness applied. Under unusual circumstances, a different but similar course may be used if the substitute course has been previously approved by the college dean and is on file in the Office of Admissions & Records.

The grade forgiveness policy cannot apply to any course in which the grade of "FF" has been recorded.

Any undergraduate or non-degree-seeking student who wishes to implement grade forgiveness must:

1. Complete a "Grade Forgiveness Request Form" (available in the Office of Admissions & Records) for each course to be repeated.
2. Adhere to the following conditions:
 - a. A limitation of applying grade forgiveness to three USF courses with no more than one repeat per course.
 - b. With prior approval of the college dean, a course different from a course on the approved list may be substituted in the following cases:
 - 1) The substitute course is a change in prefix, number, hours, or title, but not a substantive change in content from the original course.
 - 2) The substitute course replaces a course no longer offered by the institution.
 - c. The repeated course must be taken under the standard grading system (A-F) and the latest grade must be posted as "D-" or higher (grades of S/U are not permitted) and be higher than the first grade.
 - d. All grades remain on the transcript. The original course grade will be annotated with "E" to indicate that the course has subsequently been repeated and the original grade is not computed in the GPA.
 - e. Individual colleges may have further restrictions; therefore, the student should consult with his/her college.

This policy is applicable to undergraduate and non-degree-seeking students only, and applies to 1000-to-5000-level courses. Once students have been awarded a bachelor's degree from USF, they may not repeat a course and be forgiven the original grade, taken prior to graduation.

The policy applies only to courses taken originally at USF and repeated at USF.

Good Standing

USF St. Petersburg students will be considered in good standing if they are currently enrolled or eligible to return to USF St. Petersburg.

Academic Record

The student's academic record shall not be changed after the student has graduated.

Academic Probation and Academic Dismissal for Undergraduate Students

The first time the academic record of an undergraduate or non-degree-seeking student falls below a cumulative 2.00 grade-point average (GPA), counting only USF grades, he/she will be placed on Academic Probation (AP). If the cumulative GPA is not raised to 2.00 or higher at the end of the next term of enrollment, the student will be placed on Final Academic Probation (FP). A student on Final Academic Probation who fails to raise his/her cumulative USF GPA to 2.00 or higher at the end of the next term of enrollment will be Academically Dismissed (AD) from the university.

A student admitted to the university on probationary status will be placed on Academic Probation (AP) his/her first term with the above rules related to Final Academic Probation and Academic Dismissal applying. Academic advising prior to registration is mandatory until the student is removed from probationary status.

Any student who withdraws from all classes after the fifth day of classes while on Academic Probation will be placed on Final Academic Probation unless the student withdrawal is based on extenuating circumstances and the withdrawal is approved. Any student who withdraws from all classes after the fifth day of classes while on Final Academic Probation or who has been placed on Conditional Readmission by the Academic Regulations Committee will be Academically Dismissed unless the student withdrawal is based on extenuating circumstances and the withdrawal is approved.

The determination and notification of probationary status or academic dismissal will be made by the Office of Admissions & Records on the student's academic record.

A student who attends another college or university during academic dismissal will be classified as a transfer student and readmission will be based on the total record accumulated from all colleges and universities attended.

If a student who has accumulated fewer than 60 semester hours is academically dismissed from USF or falls below a 2.0 GPA and subsequently achieves an A.A. degree or an articulated A.S. degree from a Florida public community/ junior college (or other SUS institution), that student, when returning to the University, will return with the USF GPA earned prior to dismissal unless he/she exercises the option of Academic Renewal I as provided in this catalog.

If a student who has accumulated 60 or more semester hours is academically dismissed from USF falls below a 2.0 GPA and subsequently receives an A.A. or an articulated A.S. from a Florida public community/junior college (or other SUS institution), that student, when returning to the University, will begin

with the USF GPA earned prior to dismissal unless he/she exercises the option of Academic Renewal II as provided in this catalog.

If a student is academically dismissed or falls below a 2.0 GPA from USF and subsequently receives a BA/BS from another four-year institution, that student, when accepted to the University with the post-baccalaureate status, will have his/her academic record cleared.

The posting of the A.A. shall not remove the previous GPA generated at USF for a student who has earned credit at USF and is academically eligible to return to the University and who subsequently receives an A.A. from a community college.

Academic Renewal

USFSP recognizes that not every student's academic record is flawless and that many times students get off to such a poor start that their future academic opportunities are limited. USFSP can offer many of those students a second chance. The University's Academic Renewal policy allows students, who provide evidence that they might now achieve academic success, to renew their pursuit of baccalaureate degrees without the responsibility of having to overcome the entire burden of low grades and low grade-point-averages that reflect academic work attempted in the past. To facilitate this opportunity, students who qualify for Academic Renewal may, with the approval of the Academic Regulations Committee, have portions of their academic record not counted in the determination of their grade point averages (GPAs) for graduation purposes. Their entire academic record, however, will continue to be reflected on their transcripts even though a selected portion will not be counted in their GPAs. Academic Renewal students are admitted with the same terms of academic probation and dismissal as other undergraduate students. Academic Renewal will only be applied to a student's academic record one time at USF.

Academic Renewal I applies to students who were academically dismissed or on formal academic probationary status (institutional cumulative GPA of less than 2.00) with fewer than 60 credits from USF or other institutions of higher education but who otherwise were eligible to return to USF or other institutions of higher education prior to their successful completion of 60 transferable credits. They may be admitted to the University with Academic Renewal I after completing all requirements for the Associate in Arts degree or equivalent (including general education, Gordon Rule and CLAST requirements) at a two- or four-year college. Academic Renewal I students will enter USF as juniors and their USF grade point average will be calculated from that point forward. Such students will be required to earn 60 unduplicated degree credits from USF, with a grade point average of at least 2.00 subsequent to the AA degree, in order to graduate from USF. They also may be excluded from admission to limited access programs. Further, students who exercise the Academic Renewal policy will not be considered for University Honors at graduation unless they meet the criteria using all grades earned.

Academic Renewal II applies to students who were academically dismissed or on formal academic probationary status (institutional cumulative GPA of less than 2.00) with 60 or more earned credits from USF or other institutions of higher education but who otherwise were eligible to return to USF or other institutions of higher education after the successful completion of 60 transferable credits. These students may be admitted to the University with Academic Renewal II if they are able to provide convincing evidence of changes that indicate they might be successful given a new opportunity. Normally, such students will have been engaged in successful non-academic activities such as work or the military for approximately five years or will have demonstrated more recent academic success through completion of an associates degree or certificate at another institution. Academic Renewal II students will be offered an opportunity to enter USF with all coursework and grades from up to three academic semesters (or equivalent) prior to their academic dismissal or probation from USF or other institutions of higher education to be dropped from consideration in grade-point-average calculations at the University. Determination of which semester(s) may be dropped (up to three) is determined by the student through consultation with the college Academic Regulations Committee representative. Students utilizing the Academic Renewal II policy must earn a cumulative GPA of 2.00 in USF coursework attempted subsequent to Academic Renewal II, in order to graduate. Students who elect to exercise the Academic Renewal policy will not be allowed to use any credit earned during the academic terms from which courses are dropped from grade-point-average consideration toward meeting degree requirements at the University* and they may be excluded from admission to limited access programs. Further, students who exercise the Academic Renewal policy will not be considered for University Honors at graduation unless they meet the criteria using all grades earned.

*Students who engage the Academic Renewal II policy will lose the credit they earned during the terms (up to three) they choose to exclude from GPA calculations. They will not necessarily have to repeat a course completed with a grade of "C" or higher to meet specific course requirements.

College Policies For Academic Progress

Colleges may determine and implement standards of academic progress for undergraduate students (majors in the college) in addition to those established by USF St. Petersburg. Students who do not meet the academic standards of progress set by their colleges will be placed on probation and may be

disenrolled. The college dean is responsible for implementing standards of academic progress and for notifying students of their probationary or disenrollment status.

Colleges may restrict the course selections and the numbers of hours a student may take that do not apply toward completion of degree requirements. Students who exceed this limit may have part or all of their registration canceled.

Colleges are responsible for publicizing and students are responsible for knowing their college's policies for academic progress.

Class Standing

A student's class is determined by the number of credits he/she has earned without relation to his/her GPA.

0C	Unclassified Non-degree-seeking students	
1F	Freshman	0 through 29 semester hours passed
2S	Sophomore	30 through 59 semester hours passed
3J	Junior	60 through 89 semester hours passed
4R	Senior	90 or more semester hours passed; however, no baccalaureate degree earned here or elsewhere
5B	Baccalaureate degree-holder working on a second undergraduate program or degree	
6M	Graduate student admitted to Master's Degree Program	
6A	Graduate student admitted to Specialist Degree Program	
6C	Admitted to Candidacy	
6D	Graduate student admitted to a Doctoral Degree Program	
7A-7D	1st-4th year professional program (M.D.) or post-doctoral status	

Change of Major

All undergraduate students desiring to change their major should consult the Academic Advising Center.

Administrative Holds

A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier's Office. Each student placed on administrative hold should determine from the Office of the Registrar which office placed him/her in this status and clear the obligation with that respective office.

Student Information Changes

Notifications regarding changes of address, name, residency, and citizenship should be filed promptly with the Office of Admissions & Records.

Final Examinations

Examinations in academic subjects are, for most courses, an integral part of the learning process and one part of a procedure for evaluating student performance and determining grades. USF St. Petersburg requires certain standards for the examination process in order to protect the academic integrity of courses and the best interests of both the student and the instructor.

Testing in General: In each academic course, the student is expected to undergo a meaningful testing and evaluation that will reveal the student's intellectual growth in the subject matter covered or otherwise reflect the achievement of the course objectives.

The instructor has the responsibility of maintaining a fair and impartial testing and examination procedure, has the right to define and structure the testing process, and shall not be restricted as to form, style or content of the examination. It is the policy of USF St. Petersburg that all students facing an examination (of any type) shall have equal advance notice of the form and content of that examination. The University regards the routine use of all or part of the same formal examination for successive academic terms as unsound policy except when used with adequate safeguards such as a random selection of questions from a large pool.

Comprehensive Final Examinations: The last 6 days of the Fall and Spring semesters shall be set aside for final examinations, and any comprehensive final examination must be given during this designated period. If a segment examination is given in lieu of a comprehensive examination, the segment examination must be given in the period designated during final examination week. The period of two hours shall be allotted for each final examination. If a student has a direct conflict of scheduled examinations or has three or more examinations scheduled on the same day, the student may petition the appropriate instructor to reschedule

one of the student's examinations. The final examination schedule shall be published in the same manner and place as the Schedule of Classes.

Regional Chancellor's Scholar List

Full-time undergraduate students who demonstrate superior academic achievement during one semester will be honored on a "Regional Chancellor's Scholar List." To be eligible for the Regional Chancellor's Scholar List, a student must be in a "pool" (defined hereafter) and must complete 12 hours of graded (A-F) USF courses with no incomplete grades during the semester. The "pool" consists of all students who have registered for at least 12 hours of USF courses in a given semester. The Regional Chancellor's Scholar List shall consist of the fewer of: 1) the upper 10% of the enrollment of the college or 2) students in the college with a USF St. Petersburg 4.0 GPA (ties at the 90th percentile will be included in the honors group).

Dean's List

Full-time undergraduate students who demonstrate superior academic achievement during one semester will be honored on a "Dean's List." To be eligible for the Dean's List, a student must be in a "pool" (defined hereafter) and must complete 12 hours of graded (A-F) USF courses with no incomplete grades during the semester. The "pool" consists of all students who have registered for at least 12 hours of USF courses in a given semester. The Dean's List shall consist of the fewer of: 1) the upper 10% of the enrollment of the college or 2) students in the college with a USF St. Petersburg 3.9-3.75 GPA (ties at the 90th percentile will be included in the honors group).

Academic Regulations Committee

The St. Petersburg Academic Regulations Committee (SPARC) meets regularly to review petitions submitted by undergraduate students to waive University academic regulations. Students must petition and secure approval of the committee to return to the University after having been academically dismissed or to waive academic deadlines.

Effective Fall 1998, the University has implemented a statute of limitations on student petitions for retroactive adds, drops, withdrawals, and registration. A student will be limited to two calendar years (six academic semesters/terms) for such appeals whether the student is in attendance or not.

The committee normally meets once a week on Thursday. To petition the committee, a student must secure the appropriate form from the Admissions and Records website <<http://www.stpt.usf.edu/admissions/forms.htm>> and consult with the ARC representative from his/her college prior to submitting the petition form. Completed forms should be returned to the Academic Advising Center, DAV 134, no later than the preceding Friday, to be reviewed at the next week's meeting. Students will receive notification of the committee's action the following week.

Student Academic Grievance Procedures

I. Purpose - The purpose of these procedures is to provide all undergraduate and graduate students taking courses within the University of South Florida an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. Such review will be accomplished in a collegial, non-judicial atmosphere rather than an adversarial one, and shall allow the parties involved to participate. All parties will be expected to act in a professional and civil manner.

The procedures that follow are designed to ensure objective and fair treatment of both students and instructors. These guidelines are meant to govern all Colleges (exclusive of the College of Medicine which maintains its own procedures); however, as individual Colleges or campuses may have different levels of authority or titles, each student must obtain the specific designations used by each college or campus for levels of authority and titles in the process.

In the case of grade appeals, the University reserves the right to change a student's grade if it is determined at the conclusion of the grievance process that the grade given was incorrect. In such circumstances the Dean or Provost/Vice Chancellor for Academic Affairs may file an administrative grade change. The term "incorrect" means the assigned grade was based on something other than performance in the course, or that the assignment of the grade was not consistent with the criteria for awarding of grades as described in the course syllabus or other materials distributed to the student. In the case of all other academic grievances the University reserves the right to determine the final outcome based on the procedures detailed herein.

II. Terms and Guidelines - An "**academic grievance**" is a claim that a specific academic decision or action that affects that student's academic record or status has violated published policies and procedures, or has been applied to the grievant in a manner different from that used for other students. Grievances may relate

to such decisions as the assignment of a grade seen by the student as incorrect or the dismissal or failure of a student for his or her action(s). Academic grievances will not deal with general student complaints.

"Instructor" shall mean any classroom instructor, thesis/dissertation/directed study supervisor, committee member or chair, or counselor/advisor who interacts with the student in an academic environment.

"Department Chair/Director" shall mean the academic head of a college department or the director of a program—or in all cases a "Department's designee" appointed to handle academic grievances.

"Dean" shall mean a College Dean, the Dean of Undergraduate Studies, or the Dean of Graduate Studies, as indicated—or in all cases a "Dean's designee" appointed to handle academic grievances for the unit.

"Time" shall mean **"academic time,"** that is, periods when university classes are in session. **The person vested with authority at the appropriate level may extend any of the time periods contained herein for good cause.** Any extensions must be communicated in writing to all parties. For the purposes of this policy, each step shall be afforded three (3) weeks as a standard time limit. When a department considers a grievance according to published departmental procedures approved by the College Dean and Provost, the time line specified in this academic unit's procedures will govern the process and no additional notice of time extension is needed.

"Written communication" shall mean communication by hard copy to the recipient's address of record.

The **"burden of proof"** shall be upon the student such that the student challenging the decision, action or grade assigned has the burden of supplying evidence that proves that the instructor's decision was incorrect. In considering grievances, decisions will be based on the preponderance of the evidence.

Neither party shall be entitled to bring **"legal representation"** to any actual grievance proceeding as this is an internal review of an academic decision.

As some Colleges may not have departments or some campuses may use different titles, the next level that applies to that College shall be substituted. If the incident giving rise to a grievance occurs on the St. Petersburg campus, the approved policy on that campus shall govern.

III. Resolution at the Department Level

- A. The student shall first make a reasonable effort to resolve his or her grievance with the instructor concerned, with the date of the incident triggering the start of the process (i.e., the issuance of a grade; the receipt of an assignment), and the instructor shall accommodate a reasonable request to discuss and attempt to resolve this issue.
- B. If the situation cannot be resolved or the instructor is not available, the student shall file a notification letter within three weeks of the triggering incident to the College Associate Dean. This shall be a concise written statement of particulars and must include information pertaining to how, in the student's opinion, University policies or procedures were violated. The College Associate Dean shall provide a copy of this statement to the instructor.
- C. The College Associate Dean shall discuss the statement jointly or individually with the student and the instructor to see if the grievance can be resolved. If the department maintains its own grievance procedure, it should be applied at this point. If the grievance can be resolved, the College Associate Dean shall provide a statement to that effect to the student and the instructor with a copy to the College Dean.
- D. If the grievance cannot be resolved, the College Associate Dean shall notify both the student and the instructor, informing the student of his/her right to file a written request within three weeks to advance the grievance to the College Level. The instructor may file a written response to the grievance petition. Upon receipt of the student's request to move the process to the College Level and the instructor's response to the grievance (if provided), the College Associate Dean shall immediately notify the College Dean of the grievance, providing copies of the student's initiating grievance statement, any instructor's written response to the grievance, and the written request from the student to have the process advanced to the College Level (which may include additional responsive or final statements by the student). Should the student not file a written request to move the grievance to the College Level within the prescribed time, the grievance will end.

If the grievance concerns the College Associate Dean, the student has a right to bypass the departmental process and proceed directly to the College Level.

IV. Resolution at the College Level

- A. Upon receipt of the grievance, the College Dean shall either determine that the matter is not an academic grievance and dismiss it or within three weeks shall establish an Academic Grievance Committee. The membership of the Committee shall be constituted as follows:
 1. Three (3) faculty members and two (2) students (undergraduate or graduate as appropriate to the case) shall be selected from the college by the Dean.

2. Wherever practical, the Committee shall include neither members of the faculty nor students of the department directly involved with the grievance, nor faculty nor students of the student's major department. However, if requested by the committee, faculty or students from the department involved with the grievance or from the student's major department may provide expert or other relevant testimony in the proceedings.
- B. The Committee will operate in the following manner;
1. The Committee Chairperson will be appointed by the College Dean from among the three faculty members appointed to the Committee.
 2. The Committee Chairperson shall be responsible for scheduling meetings, overseeing the deliberations of the committee and ensuring that full and fair consideration is provided to all parties. The Committee Chairperson shall vote on committee decisions only when required to break a tie.
 3. All deliberations shall be in private and held confidential by all members of the Committee and those involved in the proceedings. The recommendation of the Committee shall be based on the factual evidence presented to it.
 4. Within three weeks of the Committee appointment, the Committee Chairperson shall deliver in writing to the student, instructor, College Associate Dean, and College Dean a report of the findings and a recommended resolution.
 5. Within three weeks of receipt of the Committee recommendation, the College Dean shall provide a decision in writing to all parties.
 6. The student or the instructor may appeal the decision of the College Dean to the University Level only if the decision of the College Dean is contrary to the recommendation of the Committee or if there is a procedural violation of these Student Academic Grievance Procedures. Such an appeal must be made in writing to the Provost/Vice Vice Chancellor for Academic Affairs within three weeks of receipt of the decision from the College Dean. Otherwise, the College Dean's decision is final and not subject to further appeal within the University.

V. Resolution at the University Level:

- A. The student or the instructor may appeal at the University Level within three weeks of the receipt of a decision made at the College Level, when (1) the decision by a College Dean is contrary to the recommendation of a college Grievance Committee, or (2) there is cause to think a procedural violation of these University Academic Grievance Procedures has been made. Within three weeks of receipt of the appeal to the decision, the Provost/Vice Vice Chancellor for Academic Affairs in consultation with the Faculty Senate and the Student Senate, shall appoint an Appeals Committee consisting of three faculty members drawn from the university Undergraduate Council or Graduate Council (as appropriate), and two students, undergraduate or graduate (as appropriate).
- B. The structure, functions and operating procedures of the Appeals Committee will be the same as those of the College Committee (i.e., chaired by one of the appointed faculty members appointed by the Provost/Vice Vice Chancellor for Academic Affairs who will not vote except in the case of a tie, having no representation from either party's respective departments, developing a recommendation to the Provost/Vice Vice Chancellor for Academic Affairs, etc.).
- C. Within three weeks of the appointment, the Committee Chairperson shall deliver in writing to the Provost/Vice Vice Chancellor for Academic Affairs a report of the findings of the Committee and a recommended resolution.
- D. Within three weeks of receipt of the Committee recommendation, the Provost/Vice Vice Chancellor for Academic Affairs shall provide a decision in writing to all parties.
- E. If the Provost/Vice Vice Chancellor for Academic Affairs decision is that a grade change is merited, the College Dean shall initiate the grade change on the authority of the Provost/Vice Vice Chancellor for Academic Affairs and so inform all parties. In all academic grievance appeals, the Provost/Vice Vice Chancellor for Academic Affairs decision is final and not subject to further appeal within the University. These procedures shall take effect commencing Fall Semester, 2005, and shall supercede all other academic grievance procedures currently in effect, with the exception of the procedures of the College of Medicine.

* Departments may develop their own formal procedures for considering grievances. Such procedures must be considered and approved by the College Dean and the Provost/Vice Vice Chancellor for Academic Affairs, and published on the Department's web site. When such procedures exist, the Department's examination of the grievance will unfold as specified in the procedures. If the Departmental process upholds the student's grievance, the Department Chair will work with the College, the student and the instructor to remedy the situation. If the Department does not uphold the grievance, the Chair will report the fact to the Dean. The student may, in such cases, request the College Level review as outlined in these university procedures.

Procedures for Alleged Academic Dishonesty or Disruption of Academic Process

Alleged violations of academic dishonesty or alleged disruptions of academic process will be handled initially by the instructor, who will discuss the incident with the student. It must be noted that the Faculty Senate considers the traditional relationship between student and faculty member as the primary means of settling disputes that may arise. If the instructor observes the alleged dishonesty occurring during an examination, he/she should, with discretion, notify the student of the fact before the student leaves the examination. In all cases, the instructor must attempt to schedule a meeting with the student to discuss the alleged dishonesty or disruptions.

After the discussion, if the student and instructor have reached a mutual agreement as to the solution, the instructor shall file a statement with the College Dean, responsible for the course outlining the facts of the incident and the agreed-upon solution signed by both the instructor and student. A copy of this statement shall be given to the student. If no solution is reached, the matter should be referred to the College Dean, for attempt at resolution.

Academic Dishonesty

Students attending USF are awarded degrees in recognition of successful completion of coursework in their chosen fields of study. Each individual is expected to earn his/her degree on the basis of personal effort. Consequently, any form of cheating on examinations or plagiarism on assigned papers constitutes unacceptable deceit and dishonesty. Disruption of the classroom or teaching environment is also unacceptable. This cannot be tolerated in the University community and will be punishable, according to the seriousness of the offense, in conformity with this rule.

Plagiarism

Plagiarism is defined as "literary theft" and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. On written papers for which the student employs information gathered from books, articles, web sites, or oral sources, each direct quotation, as well as ideas and facts that are not generally known to the public at large, or the form, structure or style of a secondary source must be attributed to its author by means of the appropriate citation procedure. Only widely known facts and first-hand thoughts and observations original to the student do not require citations. Citations may be made in footnotes or within the body of the text. Plagiarism also consists of passing off as one's own segments or the total of another person's work.

1. Examples of proper citation (footnote format) are as follows [Footnoting/citation styles will depend upon those used by different academic disciplines. Many disciplines in the Natural Science areas, for example, will cite the sources within the body of the text.]
 - a. "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." 1[Direct quotation] 1Harry Shaw, *Concise Dictionary of Literary Terms* (McGraw-Hill, 1972), pp. 209-210.
 - b. As Harry Shaw states in his *Concise Dictionary of Literary Terms*, "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." 1[Direct quotation with an introductory statement citing the source.] 1(McGraw-Hill, 1972), pp. 209-210.
 - c. Plagiarism is literary theft. To emphasize that point, Harry Shaw states that the root of the word comes from the Latin word meaning "kidnapping." 1[Paraphrasing] 1*Concise Dictionary of Literary Terms* (McGraw-Hill, 1972), pp. 209-210.
 - d. In defining plagiarism, "Strategies for Teaching with Online Tools" suggests that visibility makes intellectual theft less probable. 1[Paraphrasing a Web site] 1<http://bedfordstmartins.com/technotes/hccworkshop/plagiarism.htm>
2. Examples of proper citation (in body of text):
 - a. Shaw (1972) states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing; complete information about source will be cited in a section at the close of the text.]
 - b. Shaw (1972) was correct when he stated that "plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Quotation; complete information about source will be cited in a section at the close of the text.]
 - c. Plagiarism.org suggests that a searchable database of papers might assuage what Shaw called a "kidnapping" of intellectual content. [Paraphrasing of a Web site; the complete information on the Web site will appear in the works cited section.]
3. The following are examples of plagiarism because sources are not cited and appropriate quotation marks are not used:
 - a. Plagiarism, from a Latin word meaning "kidnapping," ranges from inept paraphrasing to outright theft.
 - b. Plagiarism comes from a Latin word meaning "kidnapping" and ranges from paraphrasing to theft.
 - c. Plagiarism ranges from inept paraphrasing to outright theft.
 - d. Visibility online makes plagiarism much more difficult for the would-be thief.

Punishment Guidelines for Plagiarism:

The student who submitted the subject paper, lab report, etc., shall receive an “F” with a numerical value of zero on the item submitted, and the “F” shall be used to determine the final course grade. It is the option of the instructor to assign the student a grade of F or FF (the latter indicating dishonesty) in the course.

Cheating

Cheating is defined as follows: (a) the unauthorized granting or receiving of aid during the prescribed period of a course-graded exercise: students may not consult written materials such as notes or books, may not look at the paper of another student, nor consult orally with any other student taking the same test; (b) asking another person to take an examination in his/her place; (c) taking an examination for or in place of another student; (d) stealing visual concepts, such as drawings, sketches, diagrams, musical programs and scores, graphs, maps, etc., and presenting them as one’s own; (e) stealing, borrowing, buying, or disseminating tests, answer keys or other examination material except as officially authorized, research papers, creative papers, speeches, other graded assignments, etc. (f) Stealing or copying of computer programs and presenting them as one’s own. Such stealing includes the use of another student’s program, as obtained from the magnetic media or interactive terminals or from cards, print-out paper, etc.

Penalties for Academic Dishonesty:

Penalties for academic dishonesty will depend on the seriousness of the offense and may include assignment of an “F” or a numerical value of zero on the subject paper, lab report, etc., an “F” or an “FF” grade (the latter indicating academic dishonesty) in the course, suspension or expulsion from the University. A student who receives an “FF” grade may not use the university’s Grade Forgiveness Policy if the course is subsequently repeated. An “FF” grade assigned to indicate academic dishonesty is reflected only on internal records and prevents the student from repeating the course using the Grade Forgiveness Policy. If a student who has been accused of academic dishonesty drops the course, the student’s registration in the course may be reinstated until the issue is resolved. (NOTE: A student who is suspected of cheating may not drop a course to avoid a penalty. If the student drops a course after having cheated, the university may reinstate him or her until the case is adjudicated and, if appropriate, the penalty determined. However, even if the student is not reinstated in the course, disciplinary action may be pursued if cheating is suspected and the “W” grade may be changed to an FF, F, or other grade depending on the ultimate resolution of the disciplinary process. This includes any instance of cheating that is not detected by the instructor until after the student has dropped the course. The ultimate penalty may be an FF or an F in the course, or other action.) Procedures for student notification and the option of appeal concerning the academic dishonesty remain with the instructor and/or department chair. (See Procedures for Alleged Academic Dishonesty or Disruption of Academic Process.) Notice that a student has been dismissed for reasons of academic dishonesty will be reflected on the student’s transcript with the formal notation: Dismissed for Academic Dishonesty.

For the first “FF” recorded in a student’s USF academic record, the student will receive a letter from the College Dean informing him or her of being placed on “Academic Dishonesty Warning” for the remainder of enrollment at USF and of appeal rights for the “FF” grade. Students with any “FF” grade on record will not be eligible for honors at graduation.

For the second “FF” recorded, the student will be suspended for one full semester and readmitted only after writing a clear statement indicating remorse, understanding of the seriousness of the offense, and understanding of the importance of integrity in all areas, including academic work. A letter informing him or her of this action and appeal rights will be sent from the College Dean.

For the third “FF” recorded, the student will be permanently dismissed from the university for violations of academic integrity and with notice of that dismissal as a part of the formal record and transcript.

Note that the maximum penalty for receipt of any “FF” grade may be permanent dismissal from the university for violations of academic integrity and with a notice of that dismissal as a part of the student’s formal record and transcript.

The following penalties are generally assigned in cases when the maximum penalty is not appropriate.

- a. For observation of or exchanging test information with other students during the course of a classroom test, the students who receive or give such information may receive an “F” with a numerical value of zero on the test, and the “F” shall be used to determine the final course grade. It is the option of the instructor to fail the student in the course and assign an “F” or “FF” grade for the course.
- b. For the use of any prohibited device, such as a cheat sheet, recording, calculator if forbidden on exam, etc., during the course of a classroom test to assist the student or other students, the student using such prohibited device may receive an “F” or “FF” in the course.
- c. For the use of another student, a stand-in, to take an examination for the enrolled student, it is suggested that the enrolled student receive an “F” or “FF” in the course and be suspended from school for one year and that the stand-in, if a University student, be suspended from school for one year.

- d. For stealing, borrowing, or buying of research papers, creative works, speeches or tests and other exam materials, or other graded assignments, or the dissemination of such materials, or the manipulation of recorded grades in a grade book or other class records, the student, if enrolled in the course, may receive an "F" or "FF" in the course and may be expelled from the University.
- e. It is suggested that students who plagiarize or receive or give stolen computer programs receive an "F" with a numerical value of zero on the assignment, program or programs, and the "F" be used to determine the final course grade. It is the option of the instructor to fail the student in the course and assign an "F" or "FF" grade for the course.

Disruption of Academic Process

Disruption of academic process is defined as the act or words of a student in a classroom or teaching environment which in the reasonable estimation of a faculty member: (a) directs attention from the academic matters at hand, such as noisy distractions; persistent, disrespectful or abusive interruptions of lecture, exam or academic discussions, or (b) presents a danger to the health, safety or well being of the faculty member or students.

Punishment Guidelines for Disruption of Academic Process:

Punishments for disruption of academic process will depend on the seriousness of the disruption and will range from a private verbal reprimand to dismissal from class with a final grade of "W," if the student is passing the course, shown on the student record. If the student is not passing, a grade of "F" will be shown on the student record. Particularly serious instances of disruption or the academic process may result in suspension or permanent expulsion from the University.

Hearings

Emergency Hearings. An expedited emergency hearing may be held before an academic administrator appointed by the dean or by the appointed academic committee in cases that involve the safety, health or welfare of any student or staff member.

Liberal Arts Requirements

Liberal Arts Requirements

All new USF students and Former Students Returning are required to take 45 semester hours to satisfy the complete liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 9 semester hours will satisfy the exit requirements. Students seeking second baccalaureate degrees (those coded as 5B) are exempt from the 9 semester hour exit requirements. The requirements are distributed as follows:

General Education Requirements*	Sem. Hours
English Composition	6
Quantitative Methods	6
Natural Sciences	6
Social Sciences	6
Historical Perspectives	6
Fine Arts	3
African, Latin American, Middle Eastern or Asian Perspectives	<u>3</u>
	36
Exit Requirements*	
Major Works and Major Issues	6
Literature and Writing	<u>3</u>
	9

*Courses may be certified in more than one area, but students may use each course in **only** one (1) area.

LIBERAL ARTS GENERAL EDUCATION COURSE REQUIREMENTS (36 Semester Hours)

English Composition: This requirement consists of a minimum of six (6) semester hours of approved course work in English Composition. Students may satisfy this requirement during the second semester freshman level of composition in the following ways: by earning a letter grade of "C-" or better at USF or another institution or by receiving AP or IB English credit. Students with satisfactory CLEP performance will satisfy part of the English Composition requirement, but they will still need to complete ENC 1102 or its

equivalent. To satisfy the Gordon Rule, students must earn a letter grade of “C-” or better in each of these courses.

Quantitative Methods: Competence in a minimum of six (6) semester hours of approved mathematics coursework (see the list below). These courses should include both a practical component-providing students with an appreciation of how course content relates to their everyday experiences, and an historical component-providing students with an understanding of the application of the material to other disciplines. To satisfy the Gordon Rule, students must earn a letter grade of “C-” or better in each of these courses.

Only the courses in the list below may be used to satisfy the General Education Quantitative Methods requirement. At least one course must have either an MAC or an MGF prefix. The other course may be any course in the list. To satisfy the Gordon Rule, students must earn a letter grade of “C-” or better in these courses.

While CGS 2060 is applicable to the Gordon Rule Computation requirement, it cannot be used to satisfy USF’s General Education Quantitative Methods requirement.

Natural Sciences: Students should successfully complete a minimum of six (6) semester hours of approved coursework in the natural sciences. Students are encouraged to enroll in courses with a laboratory component. It is a goal that all students have at least one science course with a laboratory; however, facilities and personnel resources prohibit that requirement at this time. Courses may be interdisciplinary. The courses may deal with the content, theories, history, presuppositions, and methods of the discipline. They will include demonstrations and address problems, ambiguities, and different perspectives in the discipline. They will also provide students with an appreciation of how the discipline fits within the natural sciences and relates to their own lives and the broader human experience.

Social Sciences: Students must successfully complete a minimum of six (6) semester hours of approved coursework in the social sciences; the courses may be interdisciplinary and need not be sequential. Courses in the social sciences shall involve those disciplines considered to be social sciences in that they deal theoretically and empirically with individuals and their relationships to each other and to society. Courses must deal with the content, theories, history, presuppositions, and methods of the discipline. They should also address problems, ambiguities, and different perspectives in the discipline. These courses will provide students with an appreciation of how the discipline fits within the social sciences and relates to their own lives and the broader human experience.

Historical Perspectives: A minimum of six (6) semester hours of approved coursework in artistic, cultural, economic, intellectual, religious, social, and/or political history is required. At least three (3) semester hours will be in the history of Western Civilization. Courses are not limited to those in the discipline of history; however, the courses will have a historical perspective in that they provide students with a sense of the evolution of societies and peoples, including analysis of their history. A sense of chronology is necessary in these courses, but not sufficient. A historical perspective also entails analyses of various elements, such as the intellectual, cultural, artistic, economic, social, political, and religious characteristics of societies and peoples.

Fine Arts: Students are required to successfully complete a minimum of three (3) semester hours of approved coursework in the fine arts. Courses in the fine arts shall involve those disciplines considered to be fine arts in that they deal theoretically and experientially with the aesthetic dimensions of individuals and groups. Courses will concern the creative experience that takes into account the perspectives of both the artist and the public. They may be interdisciplinary and must involve the content, theories, history, presuppositions, and methods of the fine arts. They will address problems, ambiguities, and different perspectives in the disciplines of fine arts. These courses will also provide students with an appreciation of how the disciplines fit within fine arts and relate to their everyday experiences.

African, Latin American, Middle Eastern, or Asian Perspectives (ALAMEA): Students will take a minimum of three (3) semester hours of approved coursework in one of the above listed geographical areas. Course content may include social, political, and economic as well as artistic, cultural, and intellectual subject matter. The material will be presented within a geographical, chronological, and/or humanities background and will necessarily be selective.

All courses listed are certified as meeting the General Education requirement as of November, 2005. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

LIBERAL ARTS GENERAL EDUCATION REQUIREMENT

ENGLISH COMPOSITON

ENC 1101	Composition I -6A	3
ENC 1102	Composition II -6A	3
ENC 1121	Composition I: Honors -6A	3
ENC 1122	Composition II: Honors -6A	3

QUANTITATIVE METHODS

MAC 1105	College Algebra -6A	3
MAC 1140	Precalculus Algebra -6A	3
MAC 1147	Precalculus Algebra and Trigonometry -6A	4
MAC 2233	Business Calculus -6A	4
MAC 2241	Life Sciences Calculus I -6A	4
MAC 2242	Life Sciences Calculus II -6A	4
MAC 2281	Engineering Calculus I -6A	4
MAC 2282	Engineering Calculus II -6A	4
MAC 2311	Calculus I -6A	4
MAC 2312	Calculus II -6A	4
MGF 1106	Finite Mathematics -6A	3
MGF 1107	Mathematics for Liberal Arts -6A	3
MGF 2131	Chaos and Fractals -6A	3
MGF 3301	Bridge to Abstract Mathematics -6A	4
PHI 2101	Introduction to Formal Logic -6A	3
PSY 3204	Psychological Statistics -6A	3
QMB 2100	Business And Economic Statistics I -6A	3
STA 1022	Basic Statistics -6A	3
STA 2023	Introductory Statistics I -6A	4
STA 2122	Social Science Statistics -6A	3

NATURAL SCIENCES

ANT 2511	Biological Anthropology	3
ANT 2511L	Biological Anthropology Laboratory	1
ANT 4586	Prehistoric Human Evolution	3
AST 2003	Astronomy of the Solar System	4
AST 2004	Stellar Astronomy and Cosmology	4
AST 3033	Contemporary Thinking in Astronomy	3
BMS 4402	Principles of Human Pharmacology	3
BSC 1005	Principles of Biology For Non-Majors	3
BSC 1020	The Biology of Humans	3
BSC 2010	Biology I - Cellular Processes	3
BSC 2011	Biology II - Diversity	3
BSC 2022	Biology of Aging	3
BSC 2025	Food: Personal and Global Perspectives	3
BSC 2030	Save The Planet: Environmental Sciences	3
BSC 2035	Sex and Today's World	3
BSC 2050	Environment	3
BSC 2085	Anatomy and Physiology I for Nursing and other Healthcare Professionals	3
BSC 2086	Anatomy and Physiology II for Nursing and other Healthcare Professionals	3
CHM 2023	Chemistry for Today	4
CHM 2045	General Chemistry I	3
CHM 2046	General Chemistry II	3
EVR 2001	Introduction to Environmental Science	3
EVR 2002	Environmental Science: Regional and Global Issues	3
EVR 2217	Energy, Environment and Sustainability	3
EVR 4104	Karst Environments	3
EVR 4114	Climate Change	3
GEO 2200	Introduction to Physical Geography	3
GEO 2371	Introduction to Earth Systems Science	3
GEO 4244	Tropical Meteorology	4
GEO 4284	Water Resources Management	4
GLY 2000	Earth and Environmental Systems	3
GLY 2010	Dynamic Earth: Introduction to Physical Geology	3
GLY 2030	Hazards of the Earth's Surface:	3

	Environmental Geology	3
GLY 2050	Science, Earth and Life	3
GLY 2051	Origins: From the Big Bang to the Ice Age	3
GLY 2100	History of the Earth and Life	3
GLY 2160	Geology of the National Parks	3
HSC 3541	Human Structure and Function	3
HSC 4504	Foundations of Public Health Immunology	3
ISC 1004	Integrated Natural Sciences I: Science that Matters	3
ISC 1005	Integrated Natural Sciences II: Science that Matters	3
OCE 2001	Introduction to Oceanography	3
PHI 1401	Science and Society -6A	3
PHY 2020	Conceptual Physics	3
PHY 2048	General Physics I	3
PHY 2049	General Physics II	3
PHY 2053	General Physics I	3
PHY 2054	General Physics II	3
PHZ 4434	Materials Physics	3
PSC 2515	Energy and Humanity	3

SOCIAL SCIENCES

AFA 4150	Africa and the United States -6A	3
AFS 3251	Environmental - Cultural Study in Africa	3
AMS 2030	Introduction to American Studies	3
AMS 3601	Material Culture and American Society	3
AMS 3700	Racism in American Society	3
ANT 2000	Introduction to Anthropology	4
ANT 2410	Cultural Anthropology	3
ANT 3101	Archaeology	3
ANT 3610	Anthropological Linguistics	3
ASH 3404	Modern China	4
ASN 3012	Japan Today	3
CCJ 3003	Crime and Justice in America	4
CCJ 3024	Survey of the Criminal Justice System	3
CGS 2034	Computers and Impact on Society	3
CGS 2094	CyberEthics	3
CLP 2001	Psychology of Adjustment	3
COM 2000	Introduction to Communication	3
CPO 2002	Introduction to Comparative Politics	3
CPO 4034	Politics of the Developing Areas	3
CPO 4204	Government and Politics of Africa	3
DEP 3103	Child Psychology	3
ECH 2020	Energy, Environment and Sustainability	3
ECO 1000	Basic Economics	3
ECO 2013	Economic Principles (Macroeconomics)	3
ECO 2023	Economic Principles (Microeconomics)	3
EGN 3615	Engineering Economics with Social and Global Implications	3
EUS 3000	Europe	3
EUS 3022	Russia	3
FRE 4392	African Images in Francophone Film	3
GEA 2000	World Regional Geography	4
GEB 2350	Doing Business Around the World	3
GEO 1930	Geography of Current Events	4
GEO 2400	Introduction to Human Geography	4
GEY 2000	Introduction to Gerontology	3
GEY 3625	Sociocultural Aspects of Aging	3
GEY 4327	Understanding Policies and Practices of Long Term Care	3
GEY 4328	Health Care Operations	3
GEY 4612	Psychology of Aging	3

GEY 4628	Race, Ethnicity and Aging	3
GEY 4641	Death and Dying	3
GEY 4647	Ethical and Legal Issues of Aging	3
HSC 2100	Contemporary Health Science	3
HSC 2133	Sex, Health, and Decision-Making	3
IDS 2664	Social Science Perspectives I	3
IDS 2665	Social Science Perspectives II	3
IDS 2933	Selected Topics III	3
IDS 2934	Selected Topics IV	3
INP 2101	Applied Psychology	3
INR 1015	World Perspective	3
INR 3038	International Wealth and Power	3
INR 3084	International Terrorism	3
INR 4403	International Law	3
INR 4502	International Organizations	3
ISS 1101	Knowledge and Society	3
ISS 1102	Self and Society	3
ISS 1103	Nature and Culture	3
MMC 3602	Mass Communications/Journalism and Society	3
PAD 3003	Introduction to Public Administration	3
PHI 1103	Critical Thinking	3
PHI 1401	Science and Society -6A	3
PHI 1600	Introduction to Ethics	3
PHI 2630	Contemporary Moral Issues	3
PHI 2631	Ethics and Business	3
PHI 3640	Environmental Ethics	3
PHI 3700	Philosophy of Religion -6A	3
PHM 3100	Social Philosophy -6A	3
POS 2080	The American Political Tradition	3
PSY 2012	Introduction to Psychological Science	3
PSY 3017	Psychological Science II	3
REL 2300	Introduction to World Religions	4
REL 3101	Religion and Popular Culture	3
REL 3111	The Religious Quest in Contemporary Films -6A	4
REL 3116	Religion and Contemporary American Holidays	3
REL 3117	Religion and Contemporary American Sports	3
REL 3170	Religion, Ethics and Society Through Film -6A	4
REL 3308	World Religions -6A	3
REL 3318	Introduction to Chinese Religion	3
REL 3391	In Search of the Goddess	3
REL 3607	Introduction to Judaism -6A	3
SOP 3742	Psychology of Women	3
SOW 3210	The American Social Welfare System	3
SPA 3002	Introduction to Disorders of Speech and Language	3
SPC 2541	Persuasion	3
SPC 2600	Public Speaking	3
SPC 3301	Interpersonal Communication	3
SPC 3710	Communication and Cultural Diversity	3
SYD 3700	Racial and Ethnic Relations	3
SYG 2000	Introduction to Sociology	3
SYG 2010	Contemporary Social Problems	3
SYP 3000	Social Psychology	3
WST 2600	Human Sexual Behavior	3
WST 3015	Introduction to Women's Studies	3
WST 3311	Issues in Feminism	3
WST 3370	Women and Social Action	3
HISTORICAL PERSPECTIVE		
AFA 4150	Africa and the United States -6A	3
AFA 4502	Middle Passage	3
AFH 3100	African History to 1850	3

AFH 3200	African History since 1850	3
AMH 2010	American History I	3
AMH 2020	American History II	3
AMH 3571	African American History to 1865	3
AMH 3572	African American History since 1865	3
AML 3413	Historical Perspectives in Early American Literature	3
AMS 2030	Introduction to American Studies	3
AMS 2201	Colonial American Culture	3
AMS 2212	Nineteenth-century American Culture	3
AMS 2270	Twentieth-century American Culture	3
AMS 3001	American Culture 1880-1915 -6A	4
AMS 3210	Regions of America	4
AMS 3260	American Culture, 1830-1860 -6A	4
AMS 3370	Southern Women: Myth and Reality -6A	3
AMS 3601	Material Culture and American Society	3
AMS 3700	Racism in American Society	3
ARC 2211	Introduction to Architecture	3
ARC 2701	Architectural History I	3
ARC 2702	Architectural History II	3
ARH 2050	History of Visual Arts I	3
ARH 2051	History of Visual Arts II	3
ARH 3001	Introduction To Art	4
ARH 3475C	Contemporary Issues in Art	4
ASH 2270	Southeast Asian History	3
ASH 3404	Modern China	4
CLA 3103	Greek Civilization	3
CLA 3124	Roman Civilization	3
CLT 3370	Classical Mythology	3
EDF 3514	History of Education in the United States	3
EGN 2031	History of Technology	3
EGN 2082	History of Electrotechnology	3
ENL 3334	Shakespeare from an Historical Perspective	3
EUH 2011	Ancient History I	3
EUH 2012	Ancient History II	3
EUH 2021	Byzantium History	3
EUH 2022	The Medieval West	3
EUH 2030	Modern European History I	3
EUH 2031	Modern European History II	3
EUS 3022	Russia	3
FRE 4392	African Images in Francophone Film	3
GEA 2000	World Regional Geography	4
GET 3522	Fantastic Films of Early German Cinema	4
GET 3524	German Popular Film	4
GET 4523	New German Cinema to Present	4
GEW 4750	Women in Contemporary German Literature and Film	3
GEY 4327	Understanding Policies and Practices of Long Term Care	3
GEY 4328	Health Care Operations	3
HUM 2210	Studies in Culture: The Classical Through Medieval Periods	3
HUM 2230	Studies in Culture: The Renaissance Through the Twentieth Century	3
HUM 3252	Studies in Culture: The Twentieth Century	3
IDS 2666	Historical Perspectives I	3
IDS 2667	Historical Perspectives II	3
IDS 2932	Selected Topics	3
ITT 3504	Italian Cultural Studies	3
LAH 2020	Latin American Civilization	3
LAH 2733	Latin American History in Film	3
LIT 2000	Introduction to Literature -6A	3

LIT 2010	Introduction to Fiction -6A	3
LIT 2030	Introduction to Poetry -6A	3
LIT 2040	Introduction to Drama -6A	3
LIT 3022	Modern Short Novel	3
LIT 3144	Modern European Novel -6A	3
LIT 3155	Modern Literature -6A	3
MMC 3602	Mass Communications/Journalism and Society	3
MUL 2111	Introduction To Music Literature -6A	3
PHH 2000	Introduction to Philosophy -6A	3
PHI 1600	Introduction to Ethics	3
PHM 3100	Social Philosophy -6A	3
PHP 3786	Existentialism -6A	3
POS 2080	The American Political Tradition	3
REL 2300	Introduction to World Religions	4
REL 2306	Contemporary World Religions	4
REL 3101	Religion and Popular Culture	3
REL 3111	The Religious Quest in Contemporary Films -6A	4
REL 3116	Religion and Contemporary American Holidays	3
REL 3117	Religion and Contemporary American Sports	3
REL 3170	Religion, Ethics and Society Through Film -6A	4
REL 3308	World Religions -6A	3
REL 3318	Introduction to Chinese Religion	3
REL 3363	Introduction to Islam	3
REL 3367	Islam in the Modern World -6A	3
REL 3391	In Search of the Goddess	3
REL 3500	History of Christianity -6A	4
REL 3607	Introduction to Judaism -6A	3
REL 4215	Ancient Israel and the Development of the Hebrew Bible -6A	3
REL 4218	Women and the Bible -6A	3
SLS 4273	Theories of Leadership	3
SPC 3230	Rhetorical Theory	3
SPC 3631	Rhetoric of the Sixties	3
SYD 3700	Racial and Ethnic Relations	3
WOH 3293	Islam in World History	4
WST 2250	Female Experience in America	3
WST 3210	European Feminist History: Pre-18th Century -6A	3
WST 3220	European Feminist History: Enlightenment to the Present	3
FINE ARTS		
AFS 3251	Environmental - Cultural Study in Africa	3
ARC 2131	Introduction to Architectural Design and Graphics	4
ARC 2211	Introduction to Architecture	3
ARC 2701	Architectural History I	3
ARC 2702	Architectural History II	3
ARH 2050	History of Visual Arts I	3
ARH 2051	History of Visual Arts II	3
ARH 3001	Introduction To Art	4
ARH 3475C	Contemporary Issues in Art	4
ART 2201C	Concepts and Practices I	3-4
ART 2203C	Concepts and Practices II	3-4
DAN 2100	Introduction To Dance -6A	3
EGN 2080	Light and the Arts: A Quantitative Approach	3
FIL 2000	Film: The Language Of Vision -6A	4
FIL 3845	World Cinema -6A	4
HUM 1020	The Arts	3
HUM 1580	Introduction to Film Studies	3
IDS 3662	Arts Connections	3

MUC 2301	Introduction To Electronic Music	3
MUH 2020	The History of Blues and Rock	3
MUH 2051	Folk And Traditional Music Of World Cultures	3
MUH 2632	Music In The United States	3
MUH 3016	Survey Of Jazz	3
MUL 2111	Introduction To Music Literature -6A	3
MUL 3001	Issues In Music	2-3
MUL 3012	Music in Your Life	3
THE 2005	Issues in Theatre	3
THE 2252	Great Performances on Film	3

ALAMEA

AFA 2000	Introduction to the Black Experience [In Africa and Its Diaspora] -6A	3
AFA 4150	Africa and the United States -6A	3
AFA 4502	Middle Passage	3
AFH 3100	African History to 1850	3
AFH 3200	African History since 1850	3
AFS 2250	Culture and Society in Africa -6A	3
AFS 3251	Environmental - Cultural Study in Africa	3
ANT 2000	Introduction to Anthropology	4
ANT 2410	Cultural Anthropology	3
ANT 3005	The Anthropological Perspective	3
ASH 2270	Southeast Asian History	3
ASH 3404	Modern China	4
ASN 3014	China Today	3
ASN 3030	The Middle East	3
CGS 2094	CyberEthics	3
CPO 4034	Politics of the Developing Areas	3
CPO 4204	Government and Politics of Africa	3
ECS 4430	Economics of Latin America	3
EUS 3022	Russia	3
FRE 4392	African Images in Francophone Film	3
GEA 2000	World Regional Geography	4
GEY 3625	Sociocultural Aspects of Aging	3
GEY 4328	Health Care Operations	3
HUM 2271	Eastern and Western Culture from Antiquity to 1400	3
HUM 2273	Eastern and Western Culture Since 1400	3
INR 1015	World Perspective	3
INR 3084	International Terrorism	3
INR 4502	International Organizations	3
LAH 2020	Latin American Civilization	3
LAH 2733	Latin American History in Film	3
LAS 3116	Latin America Through Film	3
LIN 2002	Language and a Movie	2-3
MUH 2051	Folk And Traditional Music Of World Cultures	3
MUL 3001	Issues In Music	2-3
REL 3318	Introduction to Chinese Religion	3
REL 3330	Religions of South Asia	3
REL 3363	Introduction to Islam	3
REL 3367	Islam in the Modern World -6A	3
REL 3391	In Search of the Goddess	3
REL 3607	Introduction to Judaism -6A	3
REL 4215	Ancient Israel and the Development of the Hebrew Bible -6A	3
REL 4218	Women and the Bible -6A	3
SYD 3441	Peasant Perspectives	3
SYG 3235	Latina Lives -6A	3
WOH 3293	Islam in World History	4
WST 3015	Introduction to Women's Studies	3

**LIBERAL ARTS EXIT REQUIREMENTS
FOR UNDERGRADUATES IN ALL DISCIPLINES
(9 Semester Hours)**

A student's liberal arts education will continue throughout the college years and not be limited to a relatively small number of required courses in the first two years of college. Exit requirements will provide students with an opportunity during their junior and senior years at USF to integrate their knowledge within the context of liberal arts. Courses that satisfy the exit requirements will, where appropriate, incorporate considerations of values and ethics; international and environmental perspectives; race and ethnicity; and gender. By their junior and senior years, students will have a foundation in liberal arts and be better able to reflect upon ethical issues in a constructive way. Students graduating from the College of Education may be required to complete only six hours (two exit courses) and should consult with their advisors regarding exceptions to this requirement. Students seeking second baccalaureate degrees (those coded as 5B) are exempt from the liberal arts exit requirements.

Students will take at least one of the Liberal Arts Exit courses outside their disciplinary cluster(s). For purposes of this policy, the term "discipline" refers to the following fields: business, education, engineering, fine arts, health sciences, letters, natural sciences, and social sciences (See list below of "Outside the Disciplinary Cluster" Liberal Arts Exit Courses). One of the Major Works and Major Issues courses, if taken outside the student's major disciplinary cluster(s), may be taken for S/U credit with the consent of the instructor. Only courses numbered 3000 or above may be used to satisfy the exit requirements. **Exit requirements must be completed with USF courses.**

All exit requirement courses will be seminar-size courses in which enrollment will be targeted at approximately 20 to 25 students. These courses will be taught by regular faculty.

Students majoring in the College of Education are permitted to graduate with only six credits of Liberal Arts Exit courses, all of which may be taken in the College. The distribution of those six credits varies by major.

Major Works and Major Issues (6 credit hours required): A portion of the exit requirements consists of a minimum of six (6) semester hours of approved coursework concerning major works and major issues. Courses will focus on major issues, documents, or works, and will allow students to read primary texts. These courses may allow students to delve into topics on an interdisciplinary basis. Students will be encouraged to write enough to fulfill Gordon Rule requirements. One of the Major Works and Major Issues courses, if taken outside the student's major discipline(s), may be taken for S/U credit with the consent of the instructor.

Major Works and Major Issues courses must offer the opportunity for integration of content. These courses will have a liberal arts content and, when appropriate, will contain in-depth discussions of values and ethics, international and environmental perspectives, race and ethnicity, and gender. Courses may be interdisciplinary and may be team taught. This will provide students with an opportunity to explore, in-depth and on an interdisciplinary basis, major topics that are important but outside of the major field of study.

Literature and Writing (3 credit hours required): In addition, students will take three (3) semester hours of approved exit requirement coursework in literature and writing. These courses will allow students to read significant literature of the world and write at least 6,000 words. These courses also meet the Gordon Rule Communications requirement. The writing requirement may be satisfied with assignments that include, for instance, revision and process writing. The course may be taken within the major if appropriate. The courses will focus on the dimensions of values and ethics, international and environmental perspectives, race and ethnicity, and gender.

All students must achieve an overall average of "C" (2.0GPA) in the lower level requirements and a grade of "C-" or better in each of the exit requirement courses.

Although post-secondary foreign language courses may not be required for all graduates, students are encouraged to become competent in at least one foreign language. Foreign language study enriches the command of English, enlarges cultural perspective, and enhances learning skills.

All courses listed are certified as meeting the Exit requirement as of November, 2005. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

LIBERAL ARTS EXIT REQUIREMENT COURSES

MAJOR WORKS AND MAJOR ISSUES

AFA 4313	Black English	3
AFA 4333	The African Diaspora: Blacks in the Construction of the Americas	3
AFA 4335	Black Women in America -6A	3
AFA 4350	African American Community Research	3
AFA 4500	Slavery in the Americas and the Caribbean	3

AFA 4502	Middle Passage	3
AML 4303	Zora Neale Hurston: Major Works -6A	3
AMS 4804	Major Ideas in America	3
ANT 4149	Fantastic Archaeology	3
ANT 4172	Historical Archaeology -6A	3
ANT 4241	Anthropology of Religion -6A	3
ANT 4302	Gender in Cross-Cultural Perspective	3
ANT 4316	Ethnic Diversity in the United States	3
ANT 4340	The Caribbean -6A	3
ANT 4401	Exploring Cross-Cultural Diversity	3
ANT 4432	The Individual and Culture -6A	3
ARC 4784	The City -6A	3
ARH 3475C	Contemporary Issues in Art	4
ARH 4455	Modern Political Iconography	4
ARH 4710	History of Photography -6A	4
BSC 4057	Environmental Issues	3
CCJ 4934	Seminar in Criminology -6A	3
CEG 4850	Capstone Geotechnical/Transportation Design	4
CES 4750	Capstone Structural/Geotechnical/ Material Design	4
CGN 4122	Professional and Ethical Issues in Engineering	3
CHM 4070	Historical Perspectives in Chemistry -6A	3
CIS 4250	Ethical Issues And Professional Conduct -6A	3
CIS 4253	IT Ethics -6A	3
CLT 3103	Greek Literature in Translation -6A	3
CLT 3123	Roman Literature in Translation -6A	3
COM 4030	Women and Communication -6A	3
CWR 4812	Capstone Water Resources/Environmental Design	4
DAN 4135	20th Century Dance	3
ECH 4615	Product and Process Design	3
ECO 3703	International Economics	3
ECO 4323	Radical Political Economy	3
ECP 3201	Economics of Women and Work	3
ECP 3302	Environmental Economics	3
ECP 3613	Economics of the Urban Environment	3
ECS 4003	Comparative Economic Systems	3
ECS 4430	Economics of Latin America	3
EDF 3228	Human Behavior and Environmental Selection -6A	3
EDF 3514	History of Education in the United States	3
EDF 3604	Social Foundations of Education	3
EEL 4471	Electromagnetics	3
EEL 4906	Professional Issues and Engineering Design	3
EGN 4831	Technology and Society	3
EIN 4891	Capstone Design	3
EML 4551	Capstone Design	3
ENV 4891	Capstone Environmental Engineering Design	3
ESC 4705	Geology and Development of Modern Africa	3
EVR 4027	Wetland Environments	3
EVT 4651	Equity in Schools and the Workplace -6A	3
FRE 3502	The Francophone World	3
FRE 4392	African Images in Francophone Film	3
FRT 3001	Great French Love Stories in Translation	3
FRT 3140	French Literary Masterpieces in English Translation -6A	3
FRW 4100	The French Novel	3
FRW 4101	Introduction to French Drama and Poetry	3
GEB 4890	Strategic Management and Decision Making	3
GEO 4372	Global Conservation -6A	4
GEO 4471	Political Geography	4
GEO 4604	Topics in Urban Geography	4

GET 3103	German Literature in English Translation	3
GET 3522	Fantastic Films of Early German Cinema	4
GET 3524	German Popular Film	4
GET 4523	New German Cinema to Present	4
GEY 4327	Understanding Policies and Practices of Long Term Care	3
GEY 4328	Health Care Operations	3
GEY 4635	Business Management in an Aging Society	3
GEY 4647	Ethical and Legal Issues of Aging	3
GLY 4045	Moons, Planets, and Meteors: An Introduction to Planetary Science	3
GLY 4053	Theories and Arguments about the Earth	3
GLY 4734	Beaches and Coastal Environments	3
HIS 3308	War and Society	3
HIS 3938	Major Issues in History	3
HIS 4936	Pro-Seminar in History -6A	4
HUM 4938	Major Issues in the Humanities	3
IDS 3115	Values and Choices -6A	3
IDS 3186	Scientific and Ethical Dimensions of Human Disease	3
IDS 3663	Critical Issues Affecting the Arts -6A	3
INR 3018	World Ideologies	3
INR 3033	International Political Cultures	3
INR 3202	International Human Rights	3
INR 4083	Conflict In The World	3
INR 4254	Africa in World Affairs	3
INR 4936	Senior Seminar	3
ISS 4935	Seminar in the Social Sciences	3
ITT 3504	Italian Cultural Studies	3
LIT 3103	Great Literature of the World -6A	3
LIT 3155	Modern Literature -6A	3
LIT 3301	Cultural Studies and the Popular Arts -6A	3
LIT 3374	The Bible As Literature	3
LIT 3383	The Image of Women in Literature -6A	3
LIT 3451	Literature and the Occult -6A	3
LIT 4386	British and American Literature by Women -6A	3
LIT 4804	Literature as Cultural Study	3
MHF 4403	The Early History of Mathematics	3
MHF 4406	The History of Modern Mathematics	3
MHS 4052	Human Relations Skills in Counseling	4
MUH 3301	Music History/Baroque And Classic	3
MUH 3302	Music History/Romantic And 20th Century	3
MUH 4058	Intercultural Music In The Twentieth Century	3
NGR 6080	Family and Population-Based Health Promotion	3
NGR 6121	Theoretical Foundations and Professional Role Development -6A	3
NGR 6135	Ethical, Legal, and Policy Issues in Advanced Nursing Practice -6A	3
NUR 3826	Ethical Legal Aspects in Nursing and Health Care 3	3
NUR 4097	Introduction to Nursing Humanities	3
NUR 4178	Complimentary and Alternative Therapies	3
NUR 4194	An Interdisciplinary Perspective in HIV Disease -6A	3
NUR 4195	Issues in Advanced Illness, Dying and Death	3
NUR 4330	Classroom Management of Children with Acute and Chronic Conditions	3
NUR 4397	Strategies to Reduce Child and Adolescent Health Disparities	3
NUR 4636	Community/Public Health: Population- Focused Nursing	3
NUR 4645	Substance Abuse Across the Lifespan -6A	3

NUR 4655	Cultural Diversity in Health and Issues	3
PAD 4144	Nonprofit Organizations and Public Policy -6A	3
PET 3252	Issues in Sport	3
PHH 4600	Contemporary Philosophy -6A	3
PHH 4700	American Philosophy -6A	3
PHI 4073	African Philosophy	3
PHI 4300	Theory of Knowledge -6A	3
PHI 4320	Philosophy of Mind -6A	3
PHI 4632	Feminist Ethics	3
PHI 4800	Aesthetics -6A	3
PHM 4120	Major Black Thinkers	3
PHM 4331	Modern Political Philosophy -6A	3
PHM 4340	Contemporary Political Philosophy -6A	3
PHP 4000	Plato -6A	3
PHP 4010	Aristotle -6A	3
PHP 4740	The Rationalists -6A	3
PHP 4745	The Empiricists -6A	3
PHP 4788	Philosophy of Marxism -6A	3
PHY 4031	Great Themes in Physics -6A	3
POS 4694	Women and Law II -6A	3
POT 4661	The Politics of Identity, Difference and Inequality	3
PUP 4323	Women and Politics -6A	3
REL 3114	Comedy, Tragedy, and Religion -6A	3
REL 3146	Womanist Vision in Religion	3
REL 3191	Life After Death	4
REL 3280	Biblical Archaeology	3
REL 3303	Comparative Religion: Judaism and Islam	4
REL 3375	Issues in Caribbean Religions	3
REL 3465	Religion and the Meaning of Life -6A	3
REL 3561	Roman Catholicism -6A	3
REL 3602	Classics of Judaism -6A	3
REL 3613	Modern Judaism -6A	3
REL 4113	The Hero and Religion -6A	3
REL 4133	Mormonism in America	3
REL 4171	Contemporary Christian Ethics -6A	4
REL 4177	Comparative Religious Ethics -6A	4
REL 4215	Ancient Israel and the Development of the Hebrew Bible -6A	3
REL 4217	Who Wrote the Bible (Genesis-Kings) -6A	4
REL 4218	Women and the Bible -6A	3
REL 4626	Reason in Religion: Talmudic Logic	3
REL 4670	Judaism and Christianity After the Holocaust -6A	4
RUS 3500	Russian Civilization -6A	3
RUT 3110	Russian Classics in English -6A	3
RUT 3111	Twentieth-Century Russian Literature in English -6A	3
SCE 4863	Science, Technology, Society Interaction -6A	4
SPA 4050	Introduction to the Clinical Process	3
SPC 4201	Oral Tradition	3
SPC 4632	Rhetoric and Social Change -6A	3
SPC 4714	Communication, Culture and Community	3
SSE 4380	Global And Multicultural Perspectives in Education	3
SYA 4935	Senior Seminar	3
SYO 4430	Disability and Society	3
SYP 4420	Consumer Culture -6A	3
THE 3110	Theatre History I	3
THE 3111	Theatre History II	3
THE 4174	New British Theatre and Drama -6A	3
THE 4180	Theatre Origins -6A	3

THE 4320	Theatre of Myth and Ritual/Northern European (950-1600) & Oriental (400-1200) -6A	3
THE 4330	Shakespeare for The Theatre -6A	3
THE 4401	American Drama -6A	3
THE 4434	Caribbean Theatre -6A	3
THE 4435	Theatre of Pluralism -6A	3
THE 4562	Contemporary Performance Theory -6A	3
WST 3225	Women, Environment and Gender	3
WST 4310	History of Feminism in the U.S. -6A	3
WST 4350	Women and Science	3
WST 4522	Classics in Feminist Theory	3
ZOO 4512	Sociobiology	3

LITERATURE AND WRITING

AFS 3153	African Literature Survey -6A	3
AML 3604	African American Literature -6A	3
AML 4303	Zora Neale Hurston: Major Works -6A	3
AML 4624	Black Women Writers -6A	3
CLA 3501	Women in Antiquity -6A	3
DAN 4134	Dance History Through the 19th Century -6A	3
EEC 4008	Literature in Early Childhood Education -6A	3
EEX 4742	Narrative Perspectives on Exceptionality: Cultural and Ethical Issues -6A	3
FRT 3140	French Literary Masterpieces in English Translation -6A	3
IDS 3668	Images of Contemporary Urban Culture -6A	3
LAE 4414	Teaching Literature in the Elementary School, Grades K-6 -6A	3
LAE 4416	Teaching Literature and Writing in the Elementary Grades -6A	3
LAE 4464	Adolescent Literature for Middle and Secondary Students -6A	3
LIT 3103	Great Literature of the World -6A	3
LIT 3155	Modern Literature -6A	3
LIT 3301	Cultural Studies and the Popular Arts-6A	3
LIT 3383	The Image of Women in Literature -6A	3
LIT 3451	Literature and the Occult -6A	3
LIT 4386	British and American Literature by Women -6A	3
NGR 6121	Theoretical Foundations and Professional Role Development -6A	3
NUR 4194	An Interdisciplinary Perspective in HIV Disease -6A	3
NUR 4645	Substance Abuse Across the Lifespan -6A	3
PET 4933	Seminar in Sports Medicine -6A	3
POT 4109	Politics and Literature -6A	3
REL 3613	Modern Judaism -6A	3
REL 4177	Comparative Religious Ethics -6A	4
REL 4215	Ancient Israel and the Development of the Hebrew Bible -6A	3
REL 4217	Who Wrote the Bible (Genesis-Kings) -6A	4
REL 4218	Women and the Bible -6A	3
REL 4670	Judaism and Christianity After the Holocaust -6A	4
RUT 3110	Russian Classics in English -6A	3
RUT 3111	Twentieth-Century Russian Literature in English -6A	3
SYA 3310	Qualitative Inquiry -6A	4
SYG 3235	Latina Lives -6A	3
SYP 4420	Consumer Culture -6A	3
THE 4174	New British Theatre and Drama -6A	3
THE 4180	Theatre Origins -6A	3

THE 4320	Theatre of Myth and Ritual/Northern European (950-1600) & Oriental (400-1200) -6A	3
THE 4330	Shakespeare for The Theatre -6A	3
THE 4360	The 19th Century Theatre Revolution -6A	3
THE 4401	American Drama -6A	3
THE 4434	Caribbean Theatre -6A	3
THE 4435	Theatre of Pluralism -6A	3
THE 4442	Comedy of The Classic And Neo-Classic Stage -6A	3
THE 4562	Contemporary Performance Theory -6A	3
WST 4262	Literature by Women of Color in the Diaspora -6A	3

“Outside the Disciplinary Cluster” Liberal Arts Exit Courses

“Outside the disciplinary cluster” in Liberal Arts Exit courses is defined as outside a cluster of departments or programs. Students with majors from one cluster, must take at least one certified Liberal Arts Exit course from any of the other clusters identified below.

Disciplinary Cluster 1: Arts & Letters - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 2-8.

American Studies	Humanities
Classics & Classical Languages	Italian
Communication	Liberal Studies
English	Mass Communications/Journalism
French	Philosophy
German	Religious Studies
	Russian
	Spanish

Disciplinary Cluster 2: Natural Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit courses in Clusters 1 or 3-8.

Biology	Interdisciplinary Natural Sciences
Chemistry	
Environmental Science and Policy	Mathematics
Geology	Medical Technology
	Microbiology
	Physics

Disciplinary Cluster 3: Social Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1 or 2 or 4-8.

Africana Studies	History
Anthropology	Interdisciplinary Social Sciences
Communication Sciences and Disorders	International Studies
Criminology	Political Science
Economics (Social Sciences)	Psychology
Geography	Social Work
Gerontology	Sociology
	Women’s Studies

Disciplinary Cluster 4: Business - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-3 or 5-8.

Accounting	Management Information Systems
Economics (Business)	
Finance	Management
General Business Administration	Marketing

Disciplinary Cluster 5: Engineering

Chemical Engineering	Industrial & Management Engineering
Civil Engineering	
Computer Engineering	Information Systems (Engineering)
Computer Science	
Electrical Engineering	Mechanical Engineering
Engineering Science	

Disciplinary Cluster 6: Fine Arts - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-5 or 7-8.

Art	Music
Art History	Theatre
Dance	

Disciplinary Cluster 7: Education

Early Childhood Education	Physical Education
Elementary Education	Science Education
English Education	Social Studies Education
Foreign Languages Education	Varying Exceptionalities Education
Mathematics Education	

Disciplinary Cluster 8: Nursing

Freshman English Requirement

All first-time-in-college students are required to take Freshman English (a sequential two-semester course of study) in accordance with the following conditions:

1. First-time-enrolled students (a) who do not intend to take the CLEP Freshman English Test or (b) who have been notified of failing CLEP prior to registration and who do not intend to attempt the exam a second time must take ENC 1101 and ENC 1102 sequentially. If a student fails the first course, he/she must repeat it before proceeding to the next Freshman English course. Students should normally take these courses during their freshman year, but these courses are high demand and it is possible that registration space will not always be available.
2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus or (b) who have failed but wish to repeat the test should attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or doesn't attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year.

These policies do not apply to first-time-enrolled students who can meet the Freshman English requirement with credit transferred from another institution or those with appropriate AP or IB English credit.

Credit by Examination

A student who feels he/she has already acquired the basic content of a course on his/her approved schedule should inquire about credit-by-examination. Some exams are offered through the College Level Examination Program (CLEP) and others may be offered within departments. Interested students should obtain additional information from their advisors or the Office of Evaluation and Testing.

Baccalaureate Degree - University Requirements

University minimum requirements for graduation consist of the following: earn a minimum of 120 semester hours with an overall 2.00 GPA, including a 2.00 GPA in all courses attempted at USF; a transfer student must have a GPA of 2.0 or higher when combined with all work attempted at other institutions; satisfactorily complete CLAST and the writing and computation course requirements of 6A-10.030; earn a minimum of 48 semester hours of upper-level work (courses numbered 3000 and above); complete Liberal Arts requirements; complete residency requirement; complete program requirements as determined by the college; and be recommended for graduation by the dean of the appropriate college. The requirements must be met by every student upon whom a degree is conferred. The total number of semester hours needed to complete the baccalaureate degree depends upon the academic major field of study. No grades may be changed following graduation.

In recognition that students seeking a second Bachelor's degree have completed a rigorous program of study at a regionally accredited or comparable international institution, some graduation requirements are considered met by virtue of their previous degree. These include: CLAST, Gordon Rule, Summer Enrollment, the Foreign Language Entrance Requirement, General Education and the Exit Requirements. Each degree program will determine degree applicability of transfer courses for the major.

All students entering USF with fewer than 60 semester hours of credit are required to earn at least 9 semester hours of credit prior to graduation by attendance during one or more summer semesters. The University may waive the application of this rule in cases of unusual hardship to the individual. (See Summer Enrollment Requirement below.)

Summer Enrollment Requirement

Effective September 1, 1976, all students entering USF with fewer than 60 semester hours of credit are required to earn at least 9 semester hours of credit prior to graduation by attendance during one or more summer semesters. The University may waive the application of this rule in cases of unusual hardship. A student who wishes to have the rule waived must complete a "Request for Waiver of Mandatory Summer Enrollment Form" available in the Office of the Registrar. After submission of the form to the Office of the Registrar, the student will be notified by mail of the action taken.

Students are exempt from the summer requirement provided they have earned 9 or more credits from one of the acceleration mechanisms listed below prior to matriculation at an SUS institution. There is no provision for partial credit that would allow students to complete in summer enrollment only the difference in credits between the required 9 semester hours and the number of credits less than 9 that they completed prior to matriculation. (Approved acceleration mechanisms include: Advanced Placement, International Baccalaureate, Dual Credit, Early Admission, Advanced International Certificate of Education, and credit from the Florida Virtual School.

The requirement may be fulfilled only by attending one of the universities in the State University System: University of South Florida, Florida Agricultural and Mechanical University, Florida Atlantic University, Florida Gulf Coast University, Florida International University, Florida State University, New College of Florida, University of Central Florida, University of Florida, University of North Florida and University of West Florida.

Foreign Language Graduation Requirement for B.A. Students

In addition to the foreign language entrance requirement all students applying for a Bachelor of Arts degree from USF St. Petersburg must demonstrate competency in a foreign language. To demonstrate this competency, students may take either two semesters of a beginning college-level foreign language or one semester of a higher-level course and earn a letter grade of "C" (no "S" grades) or above in the appropriate level course or demonstrate equivalent competency by passing an examination. Languages should be selected from among the ones listed below:

Classical Languages

- Greek (Ancient)
- Greek (New Testament)
- Hebrew (Classical)
- Latin

Modern Languages

- Arabic
- Chinese
- French
- German
- Greek (Modern)
- Hebrew (Modern)
- Italian
- Japanese
- Polish
- Portuguese
- Russian
- Spanish
- Yoruba

Spanish, French and American Sign Language classes are available on campus at USFSP. USFSP placement test dates are available online at http://www.stpt.usf.edu/coas/languages/Placement_test.htm

American Sign Language

Approval needed by the student's program/department major. The following programs accept Sign Language Competency for the exit requirement: Anthropology, Criminology, Economics, History, Interdisciplinary Social Sciences, Mass Communications with Journalism and Media Studies Concentrations, Political Science, Psychology, Religious Studies, Women's Studies, and all programs in the College of Education.

Students electing to take the examination in French, German, Italian, Portuguese, Russian, or Spanish should apply to the Director of the Division of Modern Languages and Linguistics. Students taking the examination in Ancient or Modern Greek or in Latin should also apply to the Director of the Division of Modern Languages and Linguistics. Students taking the examination in New Testament Greek or in Hebrew

should apply to the Chairperson of Religious Studies. Students utilizing American Sign Language should apply to the Chairperson of Communication Sciences and Disorders.

Foreign Language Placement

Students with two or more years of study in a foreign language in high school, or with postsecondary course(s) in foreign language, or with experiential learning of a foreign language may not enroll for credit in courses in that language without first taking a placement examination administered by World Language Education. Should the placement examination indicate that remedial work is required (1120-1121), the student will be allowed to enroll with the understanding that the grade eventually earned will be either an "S" or "U."

Under no circumstances will a student who places above the first year level or who passes a higher-level course be allowed to register for or receive credit for a lower-level course in that specific language. Students to whom this regulation applies should inquire of the Department of World Languages for the placement examination.

Academic Residence

Any credits transferred from a University of South Florida accredited institution must be processed as transfer credits from any regionally accredited institution.

Candidates for graduation must have completed at least 30 hours of the last 60 hours of their undergraduate credit in courses offered by the institution from which they receive a degree. Individual colleges and programs may have more stringent requirements approved by the university, such as the number of specific courses in the major that must be completed at the institution from which a student may receive a degree.

Exceptions to the above rules may be made for students who are enrolled at other universities in USF approved exchanges, study abroad programs, co-op training programs or correspondence courses from the University of Florida. CLEP credit does not count toward academic residence.

Academic Major

USF St. Petersburg offers curricula leading to the baccalaureate degree in the following fields. The degree is indicated in parentheses after each major code. For clarification, the following terms are defined:

Specialization: Those courses required to give the student academic concentration and baccalaureate identification such as Mathematics, Accounting, Psychology, etc.

Supporting or Related: These courses may be prerequisites to the specialization courses, or they may support specialized courses by giving preparation or breadth to the area of specialization. These courses are often referred to as college or program core courses.

Program Electives: These are usually a broad band of courses offered by the college offering the major to further enrich the student in the general academic field of the major.

College of Arts and Sciences:

- Anthropology (ANT) (B.A.)
- Art (Graphic Design Concentration) (B.F.A.)
- Criminology (CCJ) (B.A.)
- Economics (ECO) (B.A.)
- English (ENG) (B.A.)
 - Literature
 - Professional/Technical Writing
- Environmental Science & Policy (ESP) (B.S.)
- Geography (GPY) (B.A.)
- History (HTY) (B.A.)
- Interdisciplinary Social Science (ISS) (B.A.)
- Mass Communications with Journalism and Media Studies Concentrations (JMS) (B.A.)
- Political Science (POL) (B.A.)
- Psychology (PSY) (B.A.)

College of Business (B.A./B.S.option):

- Accounting (ACC)
- Economics (ECN)
- Finance (FIN)
- General Business (GBA)
- Information Systems Management (ISM)

Management (MAN)
Marketing (MKT)

College of Education:

Elementary Education (BEE) (BA/BS option)
Varying Exceptionalities (BEX) (B.S.)

Other USF campuses offer curricula for baccalaureate degrees in many additional fields. Please check the university-wide catalog for specific details.

Academic Minor

In addition to major programs, some departments offer an academic minor that requires approximately one-half the upper-level credits required for a major. Students interested in a particular minor should obtain the specific requirements from the appropriate department. The department may require the same admission or retention standards as required for the major.

Each academic minor conforms to the University requirements:

1. A minimum of 8 semester hours of credit used to satisfy the requirements of a minor must be from USF courses.
2. A student desiring a minor must have a major in a different program option. Courses used in the major may not apply to the minor.
3. USF coursework for a minor must have a GPA of at least 2.0.
4. Only an undergraduate degree-seeking student at USF is eligible for a minor.
5. A minor can be applied for and received only in conjunction with applying for and receiving a baccalaureate degree except for students who have already received a baccalaureate degree from USF who may earn certification of a minor by taking additional undergraduate coursework at the University and applying for the certification.

USF St. Petersburg offers curricula leading to an academic minor in the following fields:

College of Arts and Sciences:

Anthropology
Criminology
Economics
English
Environmental Science and Policy
French and Francophone Studies
Geography
History
Mass Communications with Journalism and Media Studies Concentrations
Political Science
Psychology
Spanish and Latino Studies

College of Business:

Accounting
Economics
Finance
General Business (for non-business majors)
International Business
Management
Management Information Systems
Marketing

College of Education:

Leadership Studies

Other USF campuses may offer additional academic minors. Please check the university-wide catalog for specific details.

Academic Learning Compacts

In accordance with the Board of Governors Policy Guideline #PG 05.02.15 each baccalaureate program develops and implements "Academic Learning Compacts." The Academic Learning Compacts include

concise statements of what program graduates will know and be able to do (i.e. the expected core student learning outcomes). Each Academic Learning Compact includes the following components:

- Identifies the expected core student learning outcomes for program graduates in the areas of:
 - Content/discipline knowledge and skills.
 - Communication skills.
 - Critical thinking skills.

The Academic Learning Compacts are posted on each program's USFSP website and will be provided to students when they begin their degree programs and are advised in their declared majors.

Student's Choice of Catalog

In order to graduate from USF St. Petersburg, each degree-seeking student must meet all of the graduation requirements specified in the USF St. Petersburg catalog of his/her choice. A degree-seeking student may choose any USF St. Petersburg catalog published during his/her continuous enrollment. Students who have transferred from one Florida public institution to another are affected by this policy: Graduation requirements in effect at the receiving SUS institution at the time a student enrolls at a Florida public institution of higher learning shall apply to that student in the same manner that graduation requirements apply to its native students provided the student has had continuous enrollment as defined in the SUS institution's catalog.

At USF St. Petersburg, continuous enrollment is defined as enrolling as a degree seeking student at least one term each twelve month period. Therefore, students cannot choose a USF St. Petersburg catalog published prior to or during an academic year in which they did not maintain continuous enrollment. (Each catalog is considered to be published during the academic year printed on the title page.)

If the student cannot meet all of the graduation requirements specified in the catalog of his/her choice due to decisions and changes by the University in policy matter, course offering, etc., appropriate substitutions will be determined by the dean of the college of the student's major.

USF St. Petersburg's policies are subject to change and apply to all students regardless of their choice of catalog. If the student's graduation requirements are affected by changes in University policies, appropriate arrangements will be made to preclude penalization of the student.

Repeat Course Work

The hours for a course that has been repeated may be counted only once toward the minimum 120 semester hours of credit (earned hours) required for graduation. All credit hours (except when grade forgiveness is applied) are calculated in the GPA (See Repeat Course Surcharges.)

Double Undergraduate Major

Students may elect to graduate with two majors. In that event, they must apply independently to each college and be assigned an advisor in each discipline. The student must meet all requirements of each major separately and must be certified for graduation by the appropriate dean(s).

Second Undergraduate Major

A student who wishes to work for a second major, after receipt of a baccalaureate degree, must apply through the Office of Admissions & Records and meet the major requirements as determined by the college. (Exceptions to this rule are students who had been previously accepted for a "Double Undergraduate Major" but graduated with only one major.) After acceptance by the appropriate college and proof of completion, the student's "permanent academic record" will be posted accordingly.*

* Note that those students who complete the requirements for a second major must be aware that they will not receive a second degree.

Two Degrees (USF St. Petersburg Students)

A student at USF St. Petersburg may receive two baccalaureate degrees provided he/she meets University graduation requirements for both degrees. In addition to the minimum 120 semester hours that apply toward the first degree and include at least 60 semester hours from a baccalaureate institution, the student must also earn at least a minimum of 30 semester hours in on-campus USF undergraduate courses that will apply toward the second degree. The student must also meet the requirements of the college awarding the degree and the residency requirement.

Second Baccalaureate Degree (Transfer Students)

A student, who has already graduated from an accredited four-year institution must earn a minimum of an additional 30 semester hours of USF undergraduate courses to apply toward his/her second baccalaureate degree. Students must also meet the University's regular graduation requirements, as well as the requirements of the college awarding the degree and the residency requirements.

Availability of a Baccalaureate Degree for Students Enrolled in or Graduated from a Five-Year Master's Program

A student may enroll in a baccalaureate degree program while enrolled in or after graduation from a five-year master's degree program. In consultation with an advisor in the five-year program and an advisor in the baccalaureate-level program and with the approval of the college dean(s) offering the program(s), the student is required to complete the following:

- a. Satisfy degree requirements for the five-year master's program.
- b. Satisfy requirements for the baccalaureate-level program.

Application for Graduation

In order to graduate, a student must submit an application for the bachelor's degree or Associate of Arts certificate to Academic Advising, DAV 134. This application must be submitted in the term of expected graduation by the deadline noted in the academic calendar for the student to be assured of availability of academic regalia for participation in the graduation ceremony, certification of graduation by the end of the term, inclusion of name in the graduation Bulletin, and timely ordering of the diploma. Students who submit the application for graduation after the posted deadline but prior to the last day of classes for the academic term and who are determined to have met all graduation requirements in that semester may have their graduation posted that term. Students who submit an application after the graduation application deadline, and wish to graduate in that term, will be assessed a \$50.00 late fee. Students must note that when applying late, their application may not be processed before the next term's registration period if they have not met all degree requirements. Applications received after the last day of classes will result in the graduation being posted at the end of the following academic term. If a student applies for graduation and is not approved, a new application for degree must be submitted by the deadline in a new term. In order for the degree statement to appear on a student's academic record, the student must file the aforementioned application whether or not participation in the commencement ceremony is desired.

The application for the bachelor's degree is available on the Registrar's website at www.stpt.usf.edu/admissions/forms.htm. The application for an Associate of Arts certificate is available on the same web site.

The application must be certified (signed or stamped in the section, "Office Use Only") by the Advising Center representative prior to the graduation application deadline. Inquiries concerning approval or denial of graduation should be made to the Academic Advising Center, DAV 134.

It is the student's responsibility to clear all "I" grades (incompletes) in courses required for graduation and to provide official transcripts of all transferred course work needed for graduation at least 3 weeks prior to the end of the term in which he/she expects to graduate.

A student applying for a second undergraduate major must do so within the same deadline set for applying for a degree.

A student applying for a minor must:

1. File a separate request for certification for the minor in the department of the minor during the semester of graduation;
2. Apply for the minor on the "Application for Degree," listing both the minor and the college responsible for the minor on the application; and
3. Have no "I" grade in required courses.

Posthumous Degrees or Degrees in Memoriam

The University may award a posthumous baccalaureate, master's or doctoral (and medical) degree to a student who was in good standing at the University at the time of his or her death and who had completed all substantive requirements for the degree. The University may also award baccalaureate, master's, doctoral and medical degrees in memoriam to a student who was in good standing at the University at the time of his or her death.

To award a non-thesis degree, the student would need to have completed all courses required for the degree. Courses required for the degree, in which the student is enrolled at the time of his or her death, must have been completed to the satisfaction of the faculty so that passing grades might be posted. All other requirements (e.g., grade point average, CLAST and other tests) must have been satisfied as well.

To award a thesis degree, all courses must be completed as described above and the thesis must be sufficiently complete to the satisfaction of the faculty so that certification of completion may be posted to the student's record.

Procedures for Award of Posthumous Degrees or Degrees in Memoriam

The chairperson of a department, on his or her own initiative or upon the request of the family of the student, may recommend a posthumous degree, or a degree in memoriam, by forwarding the recommendation to the respective dean of the college. If approved by the Dean, the recommendation with supporting documentation will be forwarded to the Provost for approval. If the Provost approves the

recommendation, the Office of the Registrar will be notified and the degree will be awarded at the next commencement ceremony or will be presented to the student's family in an appropriate setting.

Diplomas for posthumous degrees will be identical to other degrees awarded in the same colleges and majors. Diplomas for Degrees in Memoriam will be prepared to read "Bachelor of Arts in Memoriam, Bachelor of Science in Memoriam," Master of Arts in Memoriam," etc., depending upon the degree the student was pursuing at the time of his or her death. Undergraduate students who have not chosen a major at the time of death will be awarded the "Bachelor of Arts in Memoriam."

Honors at Graduation

To be considered for honors at graduation, a baccalaureate candidate must have completed at least 40 credits of graded upper level work at USF and have earned a grade point average of 3.50 or higher for all graded coursework attempted at USF. For those students in programs requiring multiple clinical experiences (such as Education), a baccalaureate candidate must have completed at least 30 hours of graded upper level coursework and have earned a grade point average of 3.5 or higher for all graded coursework attempted at USF. In addition, to be eligible for honors, transfer students and USF students who have postsecondary work elsewhere must have an overall GPA of 3.50 or higher counting all USF courses as well as all transferable work attempted at other institutions. The forgiveness policy at USF or other institutions and plus/minus grades awarded at other institutions will not be applicable in computing the GPA for honors. In addition, students with a record of academic dishonesty appearing on any transcripts will not be eligible for honors at graduation.

Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.50 but below 3.70 shall receive a diploma designation of *cum laude* (with honor).

Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.70 but below 3.90 shall receive a diploma designation of *magna cum laude* (with high honor).

Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.90 or above shall receive a diploma designation of *summa cum laude* (with highest honor).

In addition, each dean has the option to select on the basis of exceptional achievement 1% of the college's graduates or 1 student per semester for graduating *with distinction*.

[For purposes of honors recognition at the commencement ceremony, students must have a 3.50 GPA before the term in which they plan to graduate to have honors recognized publicly at the commencement ceremony.]

NOTE: The GPA is not rounded up when determining honors at graduation (e.g., 3.69 is not the same as 3.70).

Commencement

Commencement ceremonies at USF St. Petersburg are held each Fall and Spring. To receive information regarding the commencement ceremonies, students must submit an application to graduate and must complete the on-line application for commencement.

Associate of Arts Certification Requirements

Upon the student's successful completion of the minimum requirements for the Associate of Arts Certificate, the University will present the student who has properly made application with an appropriate certificate.

1. To receive the Associate of Arts, the student must complete 60 semester hours of university credit; at least 20 of the last 30 semester hours counted toward the Certificate must be completed at USF; the minimum grade point average must be 2.0 based on work attempted at USF; in addition, a transfer student must have a GPA of 2.0 or higher when combined with transfer work accepted and evaluated by the USF St. Petersburg Office of Admissions & Records; satisfy rule 6A-10.030 (Gordon Rule) and the General Education Requirements of USF St. Petersburg must be satisfied. Physical Education and military science credits do not count within the 60 semester hours toward the Associate of Arts. In addition, the student must present a score (passing score after August 1994) on the College-Level Academic Skills Test and fulfill the writing and computation course requirements of 6A-10.030 prior to receiving the Associate of Arts Certificate.

2. Application Procedure for the Associate of Arts Certificate. The Application for an Associate of Arts Certificate can be obtained from the Registrar's website <<http://www.stpt.usf.edu/admissions/forms.htm>> prior to the application deadline. The deadline to apply for a degree/certificate in each semester is stated in the Academic Calendar in the catalog.

3. The Associate of Arts certificate must be awarded prior to the term that the student becomes eligible for the baccalaureate degree.

4. Final processing for the Associate of Arts will be done after grades are processed at the end of the semester for which the student applied. All work, including transfer work taken in that semester will be evaluated with respect to the requirements for the Associate of Arts Certificate.

5. Any incomplete grades shown on the permanent record of an Associate of Arts applicant at the time grades are processed will be treated as an F in the calculation of grade point average.

6. The General Education Requirements will be based on the approved University policy in effect in the catalog year the student chooses according to the University policy regarding the choice of catalog. The consideration of whether or not General Education Requirements are met will be made without consideration of the student's choice of major at the time he/she applies.

7. Residence credit will be broadly defined to include USF sponsored student exchange programs and the University of Florida Correspondence Division. University of Florida Correspondence Division credit will not be included in the student's USFSP grade point average. When the grades from USF sponsored student exchange program institutions are included in the grade point average calculation, they will also be counted in the student's grade point average as work attempted at USF for the Associate of Arts Certificate.

8. An applicant who has not been enrolled at USF for three semesters may be contacted to ascertain whether or not that applicant meets the residency requirements.

9. In approving any application for the Associate of Arts Certificate, satisfactory/unsatisfactory grades will be accepted according to the approved University policy in effect during the terms of the student's enrollment without regard for the student's declared major. Students must be aware that if they have taken any courses on a satisfactory/unsatisfactory basis where such grades are not acceptable by the college of the major, the students may be required to repeat particular courses for a traditional letter grade or take additional courses for a traditional letter grade to meet the college requirements.

10. All USF St. Petersburg colleges with undergraduate programs will accept the Associate of Arts from any USF location. That is, the student will be placed at least at the junior level and will be considered to have met the University's General Education Requirements. The applicability of the courses taken by the student toward his/her major program will be determined by the college of the student's major. Similarly, any special requirements for a student's professional certification (e.g., Education) are not necessarily met by the Associate of Arts certificate, but could be included as part of the General Education Requirements. Thus, students should check with their colleges concerning meeting any special requirements in an efficient manner.

11. The awarding of the Associate of Arts Certificate is posted on the permanent record but does not alter the calculation of the grade-point average; nor does it interrupt the accumulation of the student's record.

12. Students who follow a baccalaureate degree program as recommended by a college will not necessarily be eligible for the Associate of Arts certificate prior to the completion of 90 semester hours.

Student Records Policy

Pursuant to the provisions of the Family Educational Rights and Privacy Act ("FERPA"; 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 1002.22 and 1006.52 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:

1. Inspect and review their education records
2. Privacy in their education records
3. Challenge the accuracy of their education records
4. Report violations of FERPA to the FERPA Office, Department of Education, 400 Madison Avenue, SW, Washington, D.C. 20202 and/or bring actions in Florida Circuit Court for violations of Rule 6C4-2.001, Florida Administrative Code.
5. Copies of the University's student records policy, USF Rule 6C4-2.0021, may be obtained from:
 University Registrar
 University of South Florida St. Petersburg
 140 7th Avenue South, BAY 102
 St. Petersburg, FL 33701

Release of Student Information

Pursuant to requirements of the Family Educational Rights and Privacy Act (FERPA), the following types of information, designated by law as directory information, may be released via official media of USF St. Petersburg (according to USF St. Petersburg policy):

Student name, local and permanent addresses, telephone listing, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, full- and part-time status, and the most recent previous educational agency or institution attended, and other similar information.

The University Directory, published annually by the University, contains only the following information, however: student name, local and permanent address, telephone listing, classification, and major field of study. The Directory and other listings of directory information are circulated in the course of University business and, therefore, are accessible to the public, as well as to students, faculty, and staff.

Students must inform the USF St. Petersburg Office of Admissions & Records in writing (forms available for that purpose), if they wish directory information to be withheld. Such requests must be received within the

first two (2) weeks of the semester and will remain in effect until the student has not been enrolled at USF for three (3) consecutive terms.

Notification to the University of refusal to permit release of directory information via the University Directory must be received no later than the end of the first week of classes in the Fall Semester.

College Level Examination Program (CLEP)

USF St. Petersburg allows students to receive up to 45 semester hours of credit towards the baccalaureate degree upon successful completion of General and Subject College Level Examination Program (CLEP) and DANTES examinations. Performance levels necessary to achieve credit have been established at a common level for all universities and community colleges in the State system. Credit earned through one examination program may not be duplicated by another examination or course. The following limitations should be recognized:

1. Although the General Examinations are not equated to specific courses, there are two cases in which the content is sufficiently similar to be considered as duplicate credit. Thus, students may not receive duplicate credit for the course and the CLEP test in the following areas:

English Composition with Essay	ENC1101 & ENC 1102
Mathematics	MAC 1105 & MGF 1106

2. Credit earned for the Freshman English courses through the CLEP program does not count toward the twelve hour writing requirement for SBE Rule 6A-10.030 (“Gordon Rule”);

3. CLEP General/Subject Examinations in mathematics, calculus, college algebra, trigonometry satisfy the mathematics requirement for SBE 6A-10.030;

4. CLEP credit will not satisfy USF St. Petersburg’s residency requirement;

5. Credit for the General Natural Science examination will be granted for non-majors only; and

6. Each College at USF St. Petersburg has the prerogative to exclude CLEP from the required 48 hours of upper level credit.

Certain General and Subject CLEP Examinations noted in the table below may apply to the General Education Liberal Arts Requirements. Some programs do not award credit toward the degree for certain CLEP examinations, and certain graduate or professional schools such as law, medicine and engineering may not grant equal recognition to students with extensive examination credits. An academic advisor should be consulted to ascertain the applicability of a specific CLEP examination toward a student’s degree requirements and the advisability of taking the examinations in a student’s specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Testing (SVC 2060).

CLEP Subject Area Examinations

For updated qualifying scores, please check the website www.usf.edu/ugrads/eandt/clep.htm

Advanced Placement Credit Program

The University participates in the Advanced Placement (AP) Program conducted by the College Entrance Examination Board. The Advanced Placement Test is based on specific college level courses that are offered in a number of high schools. Interested students should contact their high school counselors or principals for additional information. Please note: not all colleges will interpret AP test results in the same manner. Consult the table below to ascertain how USF St. Petersburg interprets AP test results.

Independent Study

Undergraduate students wishing to take a course by independent study must contact the instructor of the course for permission. The instructor specifies the requirements to be completed by the student including tests, periodic class attendance, term papers, etc.

Not all courses in the University may be taken by independent study. The respective colleges have jurisdiction in the determination of which courses may be taken in this manner.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance. Students taking a course by independent study must register for the specific course section in the regular manner.

Enrollment in Evening Courses

Evening courses at USF St. Petersburg are part of the regular academic program; they are offered at times convenient to people within commuting distance who wish to continue their education at night while occupied during the day with other responsibilities. Requirements for day and evening courses are the same. See the University Class Schedule for evening registration dates and times.

State University System Correspondence Courses

The University of Florida's Department of Independent Study by Correspondence administers all correspondence instruction for Florida's State University System (SUS).

Over 150 college credit, high school credit, and continuing professional education courses are available anytime, anywhere through regular mail or fax. In many cases, students also have the option to e-mail their assignments to the instructor. Enrollment in all courses is possible at any time of the year to be used toward a diploma or a degree.

For a free brochure, please contact: Department of Independent Study, 2209 NW 13th Street, Suite D, Gainesville, FL 32609-3498: (352) 392-1711, ext. 200; or e-mail: Learn@nervm.nerdc.ufl.edu. Be sure to check out the home page: <http://www.doce.ufl.edu/indstudy>.

USF St. Petersburg considers independent study by correspondence as resident credit. Grades are not transferable. Exception: grades for courses taken by Cooperative Education students while on a training period are transferred and will be used in computing the USF GPA.

International Affairs

Location/Phone: BAY 204 (727) 873-4067

Web site: <http://www.stpt.usf.edu/international>

The Office of International Affairs provides leadership, advocacy, development, and support for all central and college-based international activities. The office works in collaboration with the colleges to promote international education, research, outreach, and service programs. The office leads the development of academic program offerings (area studies) and services, international exchanges, partnerships with business, industry, and government both in the U.S. and overseas, and to establish the venues for international activities, and enhance faculty, student and staff training and development.

Study Abroad Programs and Exchanges

USFSP offers students the world as their classroom through its programs abroad. Whether a student chooses a short-term summer program, a semester or year spent at a university overseas, an internship, service learning or international co-op, there is a program for each student need. Studying abroad provides a unique learning environment, which extends and enhances courses taken on the home campus. Students can study abroad at any time in their academic careers. All disciplines offered at USFSP can be found in partner universities abroad, and so students have a wide range of study options.

USFSP overseas programs are designed to appeal to a wide audience. Students in any discipline can find a program of study to enhance their undergraduate degrees. Courses provide USFSP credit, thus students can be assured that if they plan carefully, they will continue to make steady progress towards graduation while they are abroad. Students seeking to round out their resumes with experiences abroad, which include internships, service learning, and co-op, will find options for them also. Several programs of overseas study lead to dual degrees, certificates, or double majors.

Many programs include organized cultural excursions, visits to important sites, and opportunities to interact with local people. All include unparalleled opportunities for cultural immersion and in-depth insight into the host country.

USFSP study abroad programs range in length from one week (over winter or spring break) to a semester. A number of faculty-led summer programs of 2-6 weeks provide the opportunity to concentrate study abroad in a summer session and help students fulfill the 9-hour summer school requirement. All programs are developed as cost-effectively as possible, recognizing the financial concerns of today's students. Federal and state financial aid can be applied to USFSP programs abroad, and some additional scholarship assistance is available through the Study Abroad Office.

For additional information or a copy of the individual program brochures, please visit the Study Abroad Office, or check the web site.

Students who plan to participate in study abroad programs should consult their departmental advisors to determine whether the course of study they plan to pursue will be acceptable for meeting degree requirements.

International Admissions

The University of South Florida St. Petersburg welcomes qualified students from all over the world to our campus community. The resulting international educational exchange leads to the enrichment of our common life, the intellectual development of our students, the research endeavors of the University, and mutual understanding between the peoples of the world represented at USFSP. The ensuing exchange of life stories exposes all USFSP students, faculty, and staff to the likenesses and differences that exist between cultures, worldviews, experiences, and ideas.

International Affairs has many administrative duties, including the issuance and maintenance of all visa documentation for foreign nationals at the University. International Affairs staff persons are experienced in cross-cultural counseling and crisis management in a cross-cultural setting. Advisement is available related

to immigration matters, adjustment to life in the United States, culture shock, and other personal and academic matters. To further assist internationals in adjusting to life at USFSP, International Affairs provides letters of enrollment and expenses, orientation, and immigration workshops. International students and scholars may also contact International Affairs to get information regarding St. Petersburg/Tampa Bay area activities, transportation, housing, tourist attractions, and how to obtain a Florida driver license.

DIVISION OF STUDENT AFFAIRS

The University of South Florida St. Petersburg embraces USF's commitment to total student development – curricular, co-curricular, and extracurricular. Accordingly, the Division of Student Affairs is committed to the promotion of the balanced pursuit of students' intellectual, physical, personal, social, cultural, moral, and leadership development. Student Affairs designs and implements services and programs that challenge, support, and encourage student growth, empowerment, and success. The Division's programs provide opportunities for students to appreciate cultural differences, and enhance the quality and spirit of campus and community life.

USF St. Petersburg's Division of Student Affairs offers a comprehensive set of services and developmental programs that meet or exceed professional standards and are both necessary and sufficient to achieve separate accreditation. This array of services and programs will be determined by best practice and student needs assessment, and will be improved continually through outcomes assessments.

Students who attend the University of South Florida St. Petersburg are subject to University policies in addition to guidelines established by the Florida Board of Education (Section 6-C, Administrative Code of Florida), the University Board of Trustees, and the USF St. Petersburg's Campus Board. USF St. Petersburg's Regional Vice Chancellor for Student Affairs, as well as other University officials, is charged with interpreting policies of the respective Boards to students, their families, and others in the University Community.

The Division of Student Affairs is comprised of the Student Affairs Administration Office (BAY 111), and the Departments of Student Services, Student Development, Residential Life and Student Life.

Student Affairs staff provide prospective and new students assistance in obtaining information about the University before and after they arrive on campus. The staff also offers services to students to help them cope more effectively with the many challenges of college life that can effect students' academic work: new student orientation, health education, individual and or group counseling, alcohol drug education, career planning, placement, procedures for addressing grievances and resolving problems, standards for student conduct, due process in the event of disciplinary action, and advice and or assistance in time of difficulty.

A variety of programs and services provide students with an opportunity for growth and development outside the classroom: student activities and leadership development, student government, student organizations, student publications, intramural and recreation sports, and events of special interest.

STUDENT AFFAIRS DIVERSITY STATEMENT

The Division will develop a system that will create a learning community where each individual's primary identity as a person has worth and value. Individuals from diverse ethnic, racial, religious and social backgrounds will willingly interact frequently displaying attitudes and behaviors of respect, shared purpose, commitment to common welfare, mutual cooperation and support. In this community all persons will be judged on the content of their character and all individuals will have a voice.

STUDENT SERVICES

Location/phone: BAY 111 (727) 873-4162

Office Hours: Monday through Thursday 8 a.m. – 6 p.m.,
and Friday 8 a.m. – 5 p.m.

Student Advocacy

The purpose of student advocacy is to provide information and answer questions about the University and its policies. Advising is provided to students about their rights and responsibilities. Assistance is provided in navigating through issues that arise, such as guidance for non-academic concerns, and referrals to other helpful offices.

Standards of Conduct

Just as the University maintains high standards of academic performance, the members of the University community support high standards of individual conduct and human relations. Responsibility for one's own conduct and respect for the rights of others are essential conditions for the academic and personal freedom within the University community. The Student Code of Conduct sets forth a foundation of values that represent a standard of expected behavior both inside and outside the classroom. The University reserves

the right to deny admission or refuse enrollment to students whose actions are contrary to the purposes of the University or impair the welfare or freedom of other members of the University community.

Judicial Procedures

Student judicial procedures are followed when a student fails to exercise his/her responsibility in an acceptable manner or commits an offense as outlined in the Student Code of Conduct found at the University web site http://www.stpt.usf.edu/saffairs/studenterv/documents/Code_of_Conduc-FY06.pdf. The University disciplinary procedures afford students the opportunity to participate in discussions of the matter and to present information in one's own behalf, to seek counsel in one's own best interest, and the right of appeal. The University Judicial procedures are described on the University web site.

For Academic Grievances: students should follow the academic grievance procedure which may be obtained from the appropriate Academic College Dean.

For Non-Academic Grievances: In order to assure students the right to redress of grievances, the Student Affairs Administration Office is responsible for a grievance procedure involving non-academic matters. Any student may file a question, complaint, or statement of grievance in the Student Affairs Administration Office, in person or in writing. A course of action or other answer will be given by the Director of Student Services, as soon as possible.

Student Disability Services

Location/phone: TER 200, Voice: (727) 873-4837
 Florida Relay System for Hearing Impaired Dial 711
 Office Hours: Monday through Thursday 8 a.m. – 6 p.m.,
 and Friday 8 a.m. – 5 p.m.
 Web address: <http://www1.stpt.usf.edu/saffairs/sds.html>

The University recognizes and values students with disabilities. The faculty and administration strive to insure that students with disabilities participate in all aspects of university life. Academic accommodations are arranged through the Office of Student Disability Services.

The Office of Student Disability Services, located in TER 200, (727) 873-4837, is responsible for determining eligibility of students for disability status and facilitating services and accommodations for those who qualify. Accommodations that are developed in collaboration with students and faculty, include, but are not limited to, extended time on examinations, alternate formats for printed materials, and the services of sign language interpreters.

Each student is responsible for self-identifying and applying for accommodations and services at this office. There are two essential elements to receiving accommodations and services. First, the student must identify herself/himself as a person with a disability and register with the Office of Student Disability Services (SDS). Second, the student is responsible for providing documentation of the disability to SDS, and it typically takes five working days for SDS to review the application.

If the documentation is adequate, the student will be approved for accommodations. The student will be given guidelines for accessing services and a memorandum of each professor for that semester. Each semester, a memorandum of accommodation will be prepared for each professor.

The cooperation of faculty in the implementation of accommodations is an essential feature of the institutional compliance with the Americans with Disabilities Act of 1990. Examination accommodations, the most frequently needed accommodations, are the responsibility of the faculty. This office provides accommodated examinations if the faculty are unable to do so. Faculty members will be provided guidelines for accessing exam accommodations for their students. Faculty questions, concerns, and comments are welcome by SDS.

Student Housing

Location/phone: BAY 111, (727) 873-4162.
 Office Hours: Monday through Thursday, 8:00 a.m. - 6:00 p.m.
 and on Fridays from 8 a.m. - 5 p.m.

USF St. Petersburg opened its first student residential facility in fall, 2006. Residence Hall One houses 95 apartment-style suites within its seven-story footprint. The residence hall will contain four person single bedroom apartments and two person double bedroom suites. The residence life program was developed to emphasize student learning and development.

Volunteer Services

Location/phone: TER 200, (727) 873-4837
 Office Hours: Monday through Thursday 9 a.m. – 6 p.m.,
 and Friday 8 a.m. – 5 p.m.

The University believes that an important ingredient in student learning is engaging in community service either as volunteers or as academic service-learners. The Volunteer Service program in Student Affairs, TER 200, provides referrals to over 60 community agencies and projects, organizes several projects throughout the year, and plans two Volunteer Fairs each year for showcasing various opportunities. Service-learning projects are linked to academic courses and this office provides resources for classes requiring fieldwork as well as site agreements to formalize partnerships with the community agency.

Multicultural Affairs

Location/phone: TER 200, (727) 873-4845
 Office Hours: Monday through Thursday, 8:00 a.m. – 6 p.m., and Friday 8:00 a.m. – 5:00 p.m.

The Multicultural Center supports and enhances the University's commitment to providing students with the requisite educational, social and personal skills to live in today's global society. Its programs and activities focus on developing students into citizens who are culturally aware, tolerant and accepting of others who may be different from themselves.

Career Center

Location TER 200, (727) 873-4114
 Office Hours: Monday-Friday 8:00 a.m.-5:00 p.m.
 Career Development Services

The Center offers a full range of services for students to assist with planning and achieving career goals and with making the transition from college to professional employment. These services include: listing of job opportunities, resume development assistance, co-op program, workshops, and career fairs.

Career Counseling

Individual counseling and workshops help students make sound career, life planning, and employment decisions. Counselors help students to choose a major, to develop career goals, and to refine and implement job search plans. To assist students with these decisions, the Center offers vocational assessment inventories for exploring interests, values and other characteristics relevant to career choice. Counselors also assist students with resume/cover letter preparation and critiques, interview skills, and job search strategies.

Career Resource Library

A Career Resource Library contains current occupational information, and a computer lab is available to access career and employer information on the Internet.

Recruit-A-Bull

Recruit-A-Bull is a web-based program that allows students to view job listings for full-time professional employment vacancies as well as part-time jobs, internships and cooperative education opportunities. Students may also use this program to register their resume and make it available for review by employers.

Part-time Student Employment

On- and off-campus part-time employment provides students an opportunity to gain valuable work experience, develop employability skills and earn money. Part-time jobs and temporary employment listings are maintained in the Center.

Experiential Education Programs

There are two types of experiential, practical learning experiences available to students. Both types are intended to give students hands-on experience in a work setting, assist them in obtaining practical experience, and assist them in determining a future career.

Cooperative Education: "Co-op" is a structured, supervised program that integrates practical, paid work experience with a student's academic program. Two types of Co-op plan are available. The Alternating Plan allows students to alternate full-time semesters of work with full-time semesters of study. The Parallel Plan allows students to take classes and work simultaneously.

Internships: Internships are credited or non-credited learning experiences that give students an opportunity to implement and enhance academic learning at an on-campus or off-campus site. Internships are typically one semester long and are supervised by the internship site supervisor.

On-Campus Recruiting

Each semester, employers visit campus to interview students for full-time professional employment, part-time employment and internships. Students may sign up for interviews at the Center office or online through eRecruiting.

Fairs

Career Fairs are held throughout the year bringing together employers and students. These events provide opportunities for students and employees to network and discuss employment opportunities.

Center for Counseling, Health and Wellness

Center for Counseling, Health and Wellness

Location/phone: BAY 117, (727) 873-4422

Office Hours: Monday -Friday 8:00 a.m. – 5:00 p.m.

Web address: <http://www1.stpt.usf.edu/ccc/>

The Center for Counseling, Health & Wellness supports the holistic development of students, enabling them to maintain psychological and physical health, to complete their academic programs successfully, to participate in the campus community, to achieve career goals, and to thrive personally and professionally upon graduation. To this end, the Center provides a comprehensive array of professional counseling and related services, consultation and community intervention efforts that improve the quality of campus life. All services preserve the confidentiality of students. For more information about any of the following services, call 727-873-4422 or stop by BAY117.

Personal Counseling Services

The Center provides short-term individual, couples, and group counseling to enhance students' personal development. Professional counselors are available to assist students develop a clear sense of identity, establish autonomy, discover strengths and potential, and become a more insightful, self-directed person. Counseling services assist students resolve a variety of problems such as stress, improving self-esteem, overcoming anxiety or depression, improving relationships, coping with loss, dealing with problem behaviors, resolving personal crises and dealing with substance abuse or dependency issues. If the Center does not offer the services a student needs, or if longer-term care is required, the student will be referred to other appropriate community or university services.

Crisis Counseling Services

Although appointments for counseling sessions are strongly encouraged, counselors are available on a walk-in or emergency basis for individuals whose concerns require immediate attention.

Group Counseling and Workshops

The Center presents workshops and counseling groups to help students achieve personal, social, career and educational goals. A brochure listing the workshops and groups is available at the beginning of each semester and on our website: <http://www1.stpt.usf.edu/studentdev/CCC/index.htm>.

Victims' Advocacy Service

This service is available to assist all USF students or employees who are victims of actual or threatened violence, including but not limited to battery, assault, sexual battery (date, acquaintance or stranger rape), attempted sexual battery, stalking, or sexual harassment. The victim advocate provides information, support and guidance through short-term crisis intervention, assistance through the campus judicial process, referral to community-based victim assistance programs, help in resolving academic problems resulting from victimization, and referral for necessary counseling, medical, legal and social service assistance.

Advocates are available to provide crisis intervention, assistance and referrals. Police reports are not necessary to receive services from an advocate, and services are free and confidential.

Important numbers:

St. Petersburg Police Emergency	911
USFSP Public Safety	(727) 873-4140
USF St. Petersburg Student Victim Advocate	(727) 698-2079
USF St. Petersburg Staff Victim Advocate	(813) 974-5757

Pinellas County Rape Crisis Line	(727) 530-7273
Domestic Violence Crisis Line	
CASA	(727) 895-4912
24-Hour Suicide Prevention Line	(727) 791-3131

Health and Wellness Services

The Center acts as a resource and referral source, conducts educational programming, and coordinates health promotion activities on campus. Information is available on the following topics: Alcohol, tobacco, and other drugs, eating disorders, exercise and fitness, nutrition, and sexual health. The Center is the contact for Student Health Insurance on campus. Health information and free condoms are available through the Center. All health and wellness services, except immunization and health insurance, are available free to USFSP students.

Student Health Services

There is currently no student health facility located at USF St. Petersburg. USF St. Petersburg students can receive medical services at Student Health Services (SHS) at USF Tampa by paying a \$75 student health fee each semester. Student Health Services (SHS) is located east of the USF Bookstore and north of the Student Services Building. For more information about services, call (813) 974-2331 or consult the SHS web site at www.shs.usf.edu.

The Health Fee entitles students to:

- Unlimited visits to the ambulatory clinic
- Access to SHS specialty clinics at a reduced cost (Gynecology, Dermatology)
- Reduced costs for laboratory tests
- Reduced cost for medications dispensed at the SHS
- Antigen injections (If you require allergy shots, SHS can store and administer your injections. Complete written instructions must be submitted by the prescribing physician for antigen therapy to be approved by the SHS's medical director.)

Health Insurance: Health insurance is available for all students. The USF Tampa Health Center (813-974-5407) with the assistance of the Insurance Committee has contracted with a reliable insurance company to provide students with an affordable student health insurance plan for sickness and accidental injury tailored to the particular needs of college students. Health insurance can be purchased on an annual or semester basis. The Student Insurance Office assists students in understanding the available health insurance plans and encourages all registered students who do not have health insurance to consider enrolling. More information can be found at www.shs.usf.edu. Click on the Student Health Insurance link.

At USFSP, applications for Student Health Insurance may be obtained at The Center for Counseling, Health and Wellness, BAY 117.

IMMUNIZATION POLICY

3. Introduction

The University of South Florida requires the following immunizations for registration and specific immunization in order to be eligible for on-campus housing.

4. Statement of Policy

A. ALL STUDENTS MUST HAVE:

- MEASLES – proof of immunity if born after 12/31/1956
- RUBELLA – proof of immunity if born after 12/31/1956
- HEPATITIS B – proof of immunity or signed waiver declining the vaccine
- MENINGITIS – proof of immunity or signed waiver declining the vaccine except as listed below

B. IN ADDITION, STUDENTS ELECTING TO LIVE IN ON-CAMPUS HOUSING MUST HAVE:

- MENINGITIS – Medical documentation of immunization with Meningitis vaccine. Declining by waiver of this vaccine is not acceptable for students in on-campus housing. No student will be assigned housing without proof of vaccine.

C. MEDICAL HISTORY FORM (required for all students, regardless of age)

According to BOG Regulation 6.001(9), "Each student accepted for admission shall, prior to registration, submit on a form, provided by the institution, a medical history signed by the student." New admits will be provided a Medical history/Immunization Form with their

admissions letter. In order to register, this form must be completed, signed, and returned to:

Office of Admissions and Records
 University of South Florida St. Petersburg
 140 Seventh Avenue South, BAY 102
 St. Petersburg, FL 33701-5016
 Admissions & Records Fax: (727) 873-4525
 Telephone: (727) 873-4142

D. PROOF OF IMMUNIZATION

Proof of immunization that will be accepted for each disease is as follows:

1. MEASLES

- a. Medical documentation of immunization with TWO (2) doses of live measles virus vaccine on or after the first birthday and administered at least 28 days apart. Persons vaccinated with killed or an unknown vaccine prior to 1968 must be revaccinated. Persons born before 1957 may be considered to have had a natural infection and, therefore, do not need measles vaccine. The documented date of immunization for measles should indicate the day, month, and year. However, only month and year will suffice if the month and year indicate that the immunization was given at least 13 months after the month of birth OR
- b. Copy of laboratory serologic [IgG] evidence of measles immunity (IgG rubeloa titer) OR
- c. A written, dated statement signed by a physician on his or her stationery, that specifies the date seen, and states that the person has had an illness characterized by a generalized rash lasting three (3) or more days, a fever of 101 degrees Fahrenheit or greater, a cough, and conjunctivitis, and, in the physician's opinion, is diagnosed to have had the 10 day measles (rubeola).

2. RUBELLA

- a. Medical documentation of immunization with live rubella virus vaccine on or after the first birthday. The documented date of immunization for rubella should indicate the day, month, and year. However, only month and year will suffice if the month and year indicate that the immunization was given at least 13 months after the month of birth OR
- b. Copy of laboratory serologic evidence of rubella immunity (IgG rubella titer).

3. HEPATITIS B

- a. Medical documentation of immunization with 3 doses of Hepatitis B vaccine OR
- b. Copy of laboratory serologic evidence of Hepatitis B immunity (anti-HBs titer)

4. MENINGITIS

- a. Medical documentation of immunization with Meningitis vaccine

E. EXEMPTIONS

1. **RELIGIOUS** - For religious exemption applications, contact Student Health Services at (813) 974-4056
2. **MEDICAL** – Requests for temporary or permanent medical exemptions must be submitted to USF Student Health Services by the attending physician, must include reason for exemption and duration of exemption.
 In the event of a disease outbreak, student exempted from immunization requirements may be requested by the University, at the direction of the public health officials, to show titer proof of immunity, become immunized, or remain off campus for the duration of the outbreak.

All requests for exemptions will be reviewed to ensure consistency in application.

F. CONSEQUENCES

Students who fail to comply with the requirements as stated above will be blocked from registration and/or on-campus housing assignment. In specific circumstances, a temporary override may be granted, however, vaccination requirements must be completed before any further registration in subsequent terms will be permitted and

current registration may be suspended if any deficiency in immunization status is identified.

SUS Health Insurance Requirement for International Students

The State University System of Florida requires that all international students have medical insurance in order to register for classes at USF.

STUDENT LIFE

Student Life Office

Location/Phone Campus Activities Center (CAC), (727) 873-4596

Hours: Monday – Thursday, 9:00 a.m. – 6:00 p.m., Friday, 8:00 a.m. – 5:00 p.m.

The Student Life Department at USF St. Petersburg offers an assortment of educational, recreational, and cultural programs for the campus community. It coordinates the facilities, services, and programs designed to meet the campus out-of-classroom needs. The Department also services as the administrative liaison to student organizations. The Department consists of the Fitness Center, Recreation and Intramurals, Student Activities, the Waterfront, New Student Orientation, Student Publications, and Facility Reservation Services.

Honor Societies

Honor Societies recognize outstanding students for their scholastic or service achievements. Membership in honor organizations is usually by invitation. Honor Societies include Omicron Delta Kappa: Psi Chi.

Leadership Development

A variety of leadership opportunities are available to students through involvement with student government, student organizations and on campus employment. Formal leadership development programs are offered through academic courses, conferences, retreats, and workshops.

Student Organizations

Student organizations of all types are present at USF St. Petersburg. There are a variety of opportunities for involvement and new groups are added every semester based on student interest, so if students have an interest that is not represented a new club can be created to do so.

Student Publications

Location/Phone CAC128A, (727) 873-4113

The student newspaper for USF St. Petersburg, *The Crow's Nest*, is the campus' weekly newspaper. The newspaper provides experience for those students interested in print journalism, advertising sales, graphic design, and marketing.

Fit-4-Life

This program, designed to raise awareness of personal health and fitness, offers members of the campus opportunities to improve their general health. Fit-4-Life is a combination of group exercise and recreational classes, including pilates, yoga, muscle toning, dance and martial arts. All levels are welcome to participate.

Campus Activities Center (CAC)

Phone: (727) 873-4596

Hours: Monday – Thursday 6:00 a.m. - 10:00 p.m., Friday, 6:00 a.m. – 6:00 p.m., Saturday, 9:00 a.m. – 5:00 p.m., Sunday 1:00 p.m. – 5:00 p.m.

(Holiday and semester break hours vary.)

This is a multipurpose facility designed to accommodate a variety of recreational, cultural and educational events. The building features a gymnasium that doubles as an auditorium, fitness center, locker rooms, racquetball court and meeting rooms. The information desk, located in the main lobby, serves as an information center for campus. Offices located in the CAC include: *Crow's Nest* (student newspaper), Harborside Activities Board (student activities board), New Student Orientation, Student Life, Reservation Services, Student Government, and student organization workspace. Services within the CAC include: athletic and recreation equipment use, copy services, facility reservations, faxing services, information distribution, laminating services, tickets, typewriter use, and vending machine refunds.

Campus Fitness Center

Location/Phone CAC, (727) 873-4589

Hours: Monday – Thursday 6:00 a.m. - 10:00 p.m., Friday, 6:00 a.m. – 6:00 p.m., Saturday, 9:00 a.m. – 5:00 p.m., Sunday 1:00 p.m. – 5:00 p.m.
(Holiday and semester break hours vary.)

The mission of the Campus Fitness Center is to enhance the educational experience by promoting the pursuit of high quality physical, social and personal well-being through comprehensive fitness and wellness programs. These programs are designed to meet the diverse needs of the USF community, and bring an awareness of realistic self-appraisal and expectations. This exercise facility has various Nautilus machines, a cross-trainer, lifesteps, lifecycles, treadmills, and free weights. Services offered include fitness assessments, aerobics, and other fitness classes.

New Student Orientation

Location/Phone CAC 130B, (727) 873-4181

Hours: Monday – Thursday 9:00 a.m. – 6:00 p.m., Friday, 8:00 a.m. – 5:00 p.m.

New Student Orientation provides an introduction to both academic and student life aspects of USF St. Petersburg. To facilitate a smooth transition of students into the academic environment of the University, New Student Orientation provides opportunities for entering students to develop realistic academic and personal goals, to locate student support programs and resources, and to meet staff and continuing students. New Student Orientation is required for all new students and former students who were readmitted to the University.

Recreation and Intramurals

Location/Phone CAC & Waterfront (727) 873-4589 or 873-4597

Monday – Thursday 9:00 a.m. – 6:00 p.m.

Friday 8:00 a.m. – 5:00 p.m.

Currently, intramural sports occur with pick up play on the recreation field and in the CAC. The Student Life Office is working to increase participation and organize intramural play.

Recreational equipment is available for check-out at the Waterfront Office or CAC.

Waterfront Programs

Location/Phone COQ 108, (727) 873-4597

Office Hours: Monday – Friday 9:00 a.m. – 5:00 p.m.

Saturday – Sunday 11:00 a.m. – 5:00 p.m.

Swimming Pool Hours: Monday – Sunday 11:00 a.m. – 5:00 p.m. (EST)

Watercraft Hours: Monday – Sunday 11:00 a.m. – 5:00 p.m. (EST)

(Holiday, semester break, and Daylight Savings Time hours vary.)

Waterfront programs are organized into three categories: Aquatic Programs, Watercraft Programs, and Competitive Sailing. All programs are open to students while faculty, staff, affiliate staff, active alumni, and general community members may participate in selected Aquatic and Watercraft activities.

The swimming pool is heated and open year-round. Aquatic programs offered include: open and lap swimming, water volleyball, 'SCUBA lessons, multiple level swimming lessons, lifeguard classes, and a variety of water fitness classes.

Sailboats, canoes, and kayaks may be checked out at the Haney Landing Sailing Center adjacent to the Waterfront Office. Learn to sail and advanced sailing lessons, kayak and canoe outings (day and overnight), and sailing adventures are part of Watercraft programs. Limited camping gear is available to check out from the Waterfront Office and to support scheduled overnight outings.

USF Sailing Teams are members of the Intercollegiate Sailing Association (ICSA) and actively participate in the South Atlantic Intercollegiate Sailing Association's (SAISA) racing venues. The Women's Sailing Team is a Title IX, NCAA, sport and part of the Tampa based USF Athletic Department. The Coeducational Team is a club sport sponsored by USF St. Petersburg. Both teams reside on the St. Petersburg campus and are open to all full-time undergraduate students. USF sailors often are nationally ranked in the top ten of ICSA's rankings.

Each semester the Waterfront staff, in conjunction with student interest and demand, develops a list of activities and programs called WaterLife, which reach out to students and other members of the educational, fitness, and recreational activities.

For the latest information on all programs and activities, please contact the Waterfront Office.

Commencement and Graduation Celebration

USF St. Petersburg schedules two Commencement Convocations for USF graduates each year (Spring and Fall). USF St. Petersburg graduates may also choose to attend any one of the USF campus ceremonies.

After students have applied for their degree, early in the semester in which they intend to graduate, candidates will receive from the Tampa Office of Public Ceremonies, a postcard directing them to the commencement webpage for specific information about commencement ceremonies on the four USF campuses. Beginning in Spring of 2002 students may register to participate in the ceremony online at <http://usfweb2.usf.edu/commencement/>. This website will answer many of your questions with respect to your participation in the ceremony including cap and gown ordering, getting your diploma, honors and international sashes, deadlines, senior week, what to wear and more! Please read this information carefully and completely. Details and deadlines differ from campus to campus.

For further explanation or information, please contact: annette@stpt.usf.edu

Ceremony registrants will also receive an invitation to the Graduation Celebration. The celebration is open to all Graduates, their family and friends and is at the Campus Activities Center immediately following the commencement ceremony.

This is an exciting time for all our graduates and our goal is to make your graduation from the University of South Florida a wonderful memory.

OTHER CAMPUS SERVICES

Student Assessment and Research

In an effort to collect data on students' perceptions of campus life and programs and services, the Division of Student Affairs has implemented a student assessment and research program. The goal of the program is to develop a comprehensive longitudinal database on student interests, needs, aspirations, attitudes and engagement in university life. This information will be a valuable resource for learning more about our students, for identifying emerging issues on campus, and for informing the development and modification of our strategic plan in the areas of teaching and learning in and outside the classroom. The program will use both in-house surveys and participation in two national assessment programs, the National Survey of Student Engagement (NSSE) and the Cooperative Institutional Research Program (CIRP).

Intercollegiate Athletics

USF St. Petersburg students may participate in intercollegiate sports both as spectators and as direct participants. Admission to all athletic events is free of charge upon presentation of the USF Card. (Student Identification.)

USF St. Petersburg hosts coed and women's sailing; all other athletic teams are based in Tampa. USF fields 18 intercollegiate sports for men and women, all at the NCAA Division I level. In men's competition, USF has baseball, basketball, football, soccer, cross country, outdoor track, golf and tennis. On the women's side are basketball, softball, tennis, golf, cross country, indoor and outdoor track, sailing, soccer and volleyball.

University Bookstore

USF St. Petersburg Bookstore

Location/Phone: Parking Garage, 5th Avenue S and 3rd Street S., (727) 873-1141

Usual Hours: Monday through Thursday 9 a.m. to 6 p.m. and Friday from 9:00 a.m. to 5:00 p.m.

The on-campus bookstore is operated by the Barnes and Nobles. The primary function of the university bookstores is to extend services to the students, faculty, staff, alumni and visitors of the university. VISA, MasterCard, Discover and American Express are accepted at all stores.

The bookstore offers textbooks and course-required supplies for USF St. Petersburg classes and a wide variety of merchandise including a large selection of writing implements, folders, binders, paper and other class supplies; college clothing, imprinted souvenirs and gift items, candy, snacks, sodas, medicine and Hallmark greeting cards. Popular computer software applications also are available at greatly reduced educational pricing (to USF students, faculty and staff members only).

Personnel are available to assist customers in finding and/or ordering course texts and general books. The USF St. Petersburg bookstore offers a buyback program during the week of final exams at the end of each semester, providing a source for cashing in used textbooks.

Regalia for graduation can be purchased at the bookstore prior to each commencement ceremony. Class ring sale representatives come on campus at various times throughout the year.

Campus Dining Services

Coquina Club

Location/Phone: Coquina Hall 102, (727) 897-9190

The Coquina Club in Coquina Hall offers everything from a quick snack on the run to breakfast, hot meals, soup and sandwiches, munchies, fresh fruit, build-your-own salads and hot and cold beverages. In addition to the regular menu, the Coquina Club features daily specials, vegetarian dishes and special holiday meals.

A list of contractual caterers is available for on-campus events. For more information contact Student Life (CAC) or the Student Affairs Administration Office (BAY 111).

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The bases of education are a capacity for and an appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a sense of love for learning, and an understanding of the means that scholars have used in their search for beauty and order in the natural world.

The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs. The College of Arts and Sciences takes as its goal a melding of the natural, humanistic frameworks and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe.

Great universities provide direction for their communities and service for their needs. The faculty of the Arts and Sciences as well as the staff, who support and encourage their work, explore their scholarly interests within the home and community created by the academic society. It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embrace disciplines that strive to make immediate use of knowledge in the service of social goals as well as disciplines whose discoveries contribute to the fund of basic information that is the stepping stone of applied knowledge.

General Information

The College of Arts and Sciences Dean's Office is located in Davis Hall (DAV) Room 100. For additional information about the College, visit our web site at <http://www.stpt.usf.edu/coas/index.htm>. Information regarding advising, admission to the College, graduation requirements, special programs, and departments follows. The College of Arts and Sciences Office is open Monday – Thursday 8 a.m. to 6 p.m. and Friday 8 a.m. to 5 p.m.

Undergraduate Advising Information

The Academic Advising Center, located in Davis Hall (DAV), Room 134, handles all undergraduate student-related academic matters. Students contemplating a major in Arts and Sciences or who have specific questions about a department/major should make an appointment with an advisor in their area of interest. Office hours are 8 a.m. - 6 p.m. Monday – Thursday and 8 a.m. - 5 p.m. on Fridays. To make an appointment, call (727) 873-4511. For general questions related to Arts & Sciences majors call (727) 873-4507 or (727) 873-4152.

Undergraduate Admission to the College of Arts and Sciences

Admission to the College of Arts and Sciences is open to students who have been accepted to the University of South Florida and who declare a major in a particular field. Mass Communications is a *limited access degree program* and has additional requirements listed under "Departments and Programs." Undergraduate students must submit a formal application for admission into the College. This usually occurs during orientation and advising for new students. This application is also available in the Arts and Sciences Advising Office (DAV 134) for continuing students. Students preparing for an Environmental Science degree must plan their courses carefully because of the sequential nature of the science curricula.

Information on admission criteria, departments, majors, programs, counseling and other services of the College may be obtained from the Advising Office (DAV 134), College of Arts and Sciences, USF St. Petersburg, St. Petersburg, FL 33701 or visit our web site at <http://www.stpt.usf.edu/coas/index.htm>.

General Requirements for B.A./B.S. Degree

Within the College of Arts and Sciences

The College of Arts and Sciences offers two undergraduate degrees: Bachelor of Arts or Bachelor of Science.

IT IS EACH STUDENT'S RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS:

1. Complete at least 120 accepted semester hours, 125 for Mass Communications with a USF cumulative gpa and an overall gpa of 2.000.
2. Maintain major gpa of 2.000. Note: In English and Mass Communications students must have a 2.500 major gpa.
3. Complete the Foreign Language Entrance Requirement if entering USF fall semester, 1987 or later. Students pursuing a B.A. degree must complete the Foreign Language Exit Requirement.
4. Students enrolling in a college in January, 1983 or after must satisfy State Rule 6A-10.30 (Gordon Rule) concerning computation and communications. Transfer students who enter the University of South Florida with 60 or more semester hours from a regionally accredited institution are considered to have met the communications portion of the Gordon Rule.
5. Complete Liberal Arts Requirements (for more information, see section titled "Liberal Arts Requirements.")

General Education Requirements (36) hours credit:

- Six (6) hours credit in English Composition
- Six (6) hours credit in Quantitative Methods
- Six (6) hours credit in Natural Sciences
- Six (6) hours credit in Social Sciences
- Six (6) hours credit in Historical Perspectives
- Three (3) hours credit in Fine Arts
- Three (3) hours credit in African, Latin American, Middle Eastern, or Asian Perspectives

Exit Requirements (9) hours credit

- Six (6) hours credit in Major Works and Major Issues
- Three (3) hours credit in Literature and Writing

6. Elective Physical Education is limited to 2 semester hours.
7. ROTC is limited to 9 semester hours.
8. When double majoring a maximum of 2 courses or 8 hours may be used to satisfy requirements between majors.
9. Maximum of 20 hours of S/U option. S/U contracts must be negotiated in writing within the first three (3) weeks of the term. None of the 20 credits may be taken in the student's major unless S/U is the only grading option. English 1101 or 1102 may not be taken S/U.
10. The Audit option is available only during the first 5 days of classes; none permitted later.
11. Complete at least 9 semester hours during summer terms if entering USF with fewer than 60 semester hours.
12. "D" grades are not acceptable in the major and supporting sciences for all natural sciences majors. "D" grades are not acceptable for the major area in English, History, Mass Communications, Psychology, and Social Work. Only one "D" is allowed in the major for Criminology. (Important! All grades including "D"s and "F"s are used to calculate gpa's for students in the College of Arts and Sciences.)
13. Complete all major course requirements.
14. Complete a minimum of 48 hours of upper-level courses (numbered 3000 or above). Lower-level course work from 2-year or 4-year schools, though, equivalent to a 3000-level course at USF, does not meet this requirement.
15. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement.
16. Criminology, Economics, English, Mass Communications/, and Political Science have established minimum major course hours to be taken in residency at USF. See the department section of the catalog for these credit-hour requirements. In addition, all students who have majors in arts and letters and in the social sciences must take a minimum of 80 hours outside of the major department.
17. Students must satisfy CLAST (College Level Academic Skills Test).
18. Transfer credit for MAT 1033 will only be acceptable towards a bachelor's degree in the College of Arts and Sciences if it was earned as part of an Associate of Arts degree awarded by a public community college in the State of Florida or is part of a Florida public community college transcript which explicitly indicates that general education or general distribution requirements have been met.

Turn in your graduation application to DAV 134 during the *1st to the 4th week* of the semester in which you plan to graduate. Applications are not accepted late.

DEPARTMENTAL MINOR

Minors generally require half as many hours as required for the major. In order to help students develop some concentration in elective work taken in conjunction with their chosen major, the College of Arts and Sciences offers minors in the following: Anthropology, Criminology, English, Environmental Policy, French and Francophone Studies, Geography, History, Mass Communications, Political Science, Psychology and Spanish and Latino Studies.

Certain restrictions apply to students earning a minor: (a) students may not use courses in the major for the minor; and (b) ISS majors may not earn a minor in any of the cognate areas incorporated in their contracts. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under “Departments and Programs.”

Baccalaureate-Level Degree Programs

The departments and programs in the College of Arts and Sciences include Anthropology, Criminology, English, Environmental Science and Policy, Geography, History, Interdisciplinary Social Sciences, Mass Communications, Political Science, and Psychology. The College of Arts and Sciences offers major fields of study as described in the following pages.

BACHELOR OF ARTS (B.A.)

Anthropology (ANT)
 Criminology (CCJ)
 Economics (ECN)
 English
 English and American Literature (LIT)
 Professional and Technical Writing (CWT)
 Geography (GPY)
 Government and International Affairs
 Political Science (POL)
 History (HTY)
 Interdisciplinary Social Sciences (ISS)
 Mass Communications (COM)
 Psychology (PSY)

BACHELOR OF FINE ARTS (B.F.A.)

Art – Graphic Design Concentration

BACHELOR OF SCIENCE (B.S.)

Environmental Science and Policy (ESP)

• ART (B.F.A.)

Requirements for the B.F.A. Degree in Studio Art with a Concentration in Graphic Design

The Graphic Design Concentration offers students a sequence of rigorous courses that balance critical thinking and pragmatic experience complimented by the enriched experience of the liberal arts environment of the University of South Florida St. Petersburg.

Graphic designers develop the images that give voice to the world around us. Using their raw materials - the ability to think, draw, write, speak, and design - students learn the skills to solve specific visual problems. The study of typography, design concepts, and digital technology develops an understanding of the tradition, practice, and process of graphic design.

The concentration guides students in building the imagination, aesthetic sensitivity, and powers of critical thought required to succeed as visual communicators. The curriculum emphasizes expertise in image development, typography, print and screen-based graphics and interactive design. The concentration prepares students for the rigor of professional design practice through an internship program, courses in production and portfolio development. Additionally, students design, organize and promote an exhibition of their final senior project.

The B.F.A. Studio Art Degree with a concentration in graphic design is a limited access, upper-level program. Students are accepted in the spring and begin the program as a cohort in the fall semester. An Apple Macintosh laptop computer, software and fonts are required for this program. For details, consult the program website at: www.stpt.usf.edu/graphicdesign.

Admission into the B.F.A. program is contingent upon the student having a 3.25 major GPA, which must be maintained for the degree to be awarded. Student competency will be evaluated individually and based upon criteria such as GPA, writing skill, and a portfolio of work indicative of: (1) concept, execution and presentation of studio artwork, (2) conceptual understanding of art and design standards, (3) application of art and design concepts, (4) examples of drawing methods and materials, and (5) historical knowledge of art and design as evidenced by previous assignments in visual problem solving. Applicants to the program must have a 2.5 or higher overall grade point average. Students are admitted in the fall semester of each

year only and must submit all materials (including the portfolio) for fall admission by early spring (see webpage <http://www.stpt.usf.edu/graphicdesign/index.html> for exact deadline date.)

Transfer credit from other institutions is accepted on the basis of portfolio and transcript evaluation. The School of Art and Art History accepts transfer credit from all Florida programs that are part of the "common course prerequisites".

The following courses are necessary for completing a B.F.A. degree in Studio Art with a Concentration in Graphic Design:

I. Art Foundation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

I. Art Foundations (Prerequisites)

ARH 2050 History of Visual Arts I*	(3)
ARH 2051 History of Visual Arts II*	(3)
ART 2201C Concepts and Practices I**	(3)
ART 2203C Concepts and Practices II**	(3)
ART 2300C Beginning Drawing	(3)
ART 3301C Intermediate Drawing	(3)
2000 level Studio Elective	(3)

Total 21 hours

Students must meet all art prerequisites above with a minimum grade point average of 3.25 or above.

*History of Visual Arts I and II must be used to satisfy the General Education Historical Perspectives requirement if the student is to remain within 120 hours for the degree.

**Concepts and Practices I or II must be used to satisfy the General Education Fine Arts requirement if the student is to remain within 120 hours for the degree.

II. Additions to the Art Foundation requirements:

2000 level course in Macintosh computer & software	(3)
MMC 3602 Mass Communications and Society (program requirement)*	(3)

Total 6 hours

*Mass Communications and Society may be used to satisfy the General Education Social Sciences requirement if the student is to remain within 120 hours for the degree.

Graphic Design Program Requirements

III. Fall Semester

GRA 2206C	Typography	(3)
VIC 3001	Intro to Visual Communications	(3)
GRA 3110	Graphic Design I	(3)
GRA 3735	Multimedia Systems I	(3)
ARH 4430	19th Century Art	(4)

Total 16 hours

IV. Spring Semester

GRA 3104	Computer Graphics	(3)
PGY 3801C	Digital Media I	(3)
ART 4925	Media Workshop: Design Production	(3)
ARH 4724	History of Graphic Design	(4)
Support Course (XMW)		(3)

Total 16 hours

V. Fall Semester

PGY 4802C	Digital Media II	(3)
ART 4634C	Visual Design for the Internet	(3)
ART 4930C	Graphic Design: Senior Studio	(3)
ARH 4450	20th Century Art	(4)
Support Course (XLW)		(3)

Total 16 hours

VI. Spring Semester

ART 4955C	Senior Project: Portfolio	(3)
GRA 4945	Professional Practicum	(3)
GRA 4940	Internship	(2)

ARH Art History Course (XMW)		
TAKE ONE OF THE FOLLOWING COURSES		
ARH 3475C	Contemporary Issues in Art	(4)
ARH 4455	Modern Political Iconography	(4)
ARH 4710	History of Printmaking	(4)
		Total 12 hours
Total		87

Total Semester Hours for the B.F.A. degree in Art Studio with a Concentration in Graphic Design:

General Education*	(24)
Exit Requirements** (3 cr. included in program)	(6)
Art Requirements	(87)
Elective Credits	(3)
TOTAL	120 HOURS

*Please note that 12 hours of General Education requirements are satisfied by the Art School curriculum and that the actual total hours in General Education remains 36 as state-mandated.

**Please note that 3 hours of the Exit requirement must be an art history course which is also used to fulfill the major. This ensures that the required total of 9 exit hours is satisfied within the 120 hours.

• ANTHROPOLOGY (ANT)

Anthropology is the global, comparative study of human biological variation and cultural systems over all periods, from the prehistoric to the present. The undergraduate program allows students to explore this subject through the discipline's four main areas of research: Biological Anthropology; Archaeology; Cultural Anthropology; and Linguistics. Our perspectives are worldwide, but we also study nearby communities, in trying to understand patterns of human physical differences, language, religion, marriage customs, conflict resolution or the evolution of societies themselves. Students with an undergraduate degree often go on to graduate programs in Anthropology but also find employment in a wide variety of settings including archaeological contract companies; conducting research on urban community development; studying immigrant populations and how best to serve the health, social and educational needs of our increasingly diverse society.

Students may also concentrate their studies in anthropology by choosing this as one of the two cognate disciplines required for Interdisciplinary Studies (ISS) Majors. This allows students to take introductory and advanced anthropology courses and combine them with a second cognate discipline and a specific set of ISS courses.

Students majoring in other fields may find anthropology coursework an exciting and valuable supplement to their primary academic interest. A minor in anthropology has been developed with this purpose in mind. The minor program is structured to allow the student maximum flexibility in course selection within a broadly defined progression of anthropological concerns. Thus, the student is able to tailor a minor in anthropology to best suit special wants and needs in the context of an overall curriculum. Further information about the major, new courses, and the Anthropology faculty can be found on the web at <http://www.stpt.usf.edu/Coas/anthropology/>.

Prerequisites (State Mandated Common Prerequisites) for Students transferring from a Community College: Students wishing to transfer to USF should complete the A.A. degree at the community college. Students should complete two lower level, introductory courses in Anthropology prior to entering the university. If not taken at the community college, they must be completed before the degree is granted. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A grade of "C" is the minimum acceptable grade. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Requirements for the Major in Anthropology

Required Core Courses

ANT 2410	Cultural Anthropology	(3)
ANT 2511	Biological Anthropology	(3)
ANT 3101	Archaeology	(3)
ANT 3610	Anthropological Linguistics	(3)
ANT 4034	Theories of Culture	(3)
ANT 4935	Rethinking Anthropology	(3)

Beyond the required prerequisites listed above, the major in Anthropology consists of a minimum of 36 credit hours. In order to graduate, students must maintain an average best attempt 2.5 GPA in all courses counted toward the major. In addition, students must have a minimum C (2.0) grade in the senior core ANT 4034 and ANT 4935. A C- grade is not acceptable. ANT 2000, although suggested, is not a prerequisite to intermediate level courses. ANT 2000 may, however, be included in the 36 credit hour major requirement. Students who have not taken ANT 2000 must make up the missing hours with Anthropology elective coursework. ANT 3101, ANT 2410, ANT 2511, and ANT 3610 are required as intermediate level training in the main subdivisions of the field, and ANT 4034 and ANT 4937 complete the specific requirements. Majors are required to complete a minimum of 15 hours of 4000-level elective coursework, including courses from at least three of the four subfields shown below. A minimum of three (3) of these 15 credits must be selected from a list of designated methods courses. Methods courses may also be counted toward the subdivision requirement.

Area Electives

Archaeology

ANT 4142 Old World Archaeology	(3)
ANT 4143 European Archaeology	(3)
ANT 4147 Environmental Archaeology	(3)
ANT 4153 North American Archaeology	(3)
ANT 4158 Florida Archaeology	(4)
ANT 4165 South American Archaeology	(3)
ANT 4163 Mesoamerican Archaeology	(3)
ANT 4172 Historical Archaeology	(3)
ANT 4180 Laboratory Methods in Archaeology	(2-4)
ANT 4181 Museum Methods	(4)
ANT 4183C Archaeological Science	(4)
ANT 4195 Fantastic Archaeology	(3)
ANT 4824 Archaeological Field Methods	(4-12)

Biological Anthropology

ANT 4520 Forensic Anthropology	(4)
ANT 4586 Prehistoric Human Evolution	(3)
ANT 4587 Human Variation	(3)

Anthropological Linguistics

ANT 4620 Language and Culture	(3)
ANT 4750 Language and Social Interaction	(3)

Cultural Anthropology

ANT 4231 Folklore	(3)
ANT 4241 Magic and Religion	(3)
ANT 4285 Oral History	(3)
ANT 4302 Gender in Cross-Cultural Perspective	(3)
ANT 4312 North American Indians	(3)
ANT 4316 Ethnic Diversity in the United States	(3)
ANT 4323 Mexico and Central America	(3)
ANT 4340 The Caribbean	(3)
ANT 4390 Visual Anthropology	(3)
ANT 4432 The Individual and Culture	(3)
ANT 4442 Urban Life and Culture	(3)
ANT 4462 Health, Illness, and Culture	(3)
ANT 4495 Methods in Cultural Research	(3)
ANT 4701 Applied Anthropology	(3)
URS 3002 Introduction to Urban Studies	(3)

Methods

ANT 4180 Lab Methods in Archaeology	(2-4)
ANT 4181 Museum Methods	(4)
ANT 4183C Archaeological Science	(4)
ANT 4285 Oral History	(3)
ANT 4390 Visual Anthropology	(3)
ANT 4495 Methods in Cultural Research	(3)
ANT 4520C Forensic Anthropology	(4)
ANT 4824 Archaeological Field Methods	(4-12)

Special Topics

ANT 4930 Special Topics

(3)

Depending upon the specific topic, this may count toward any of the subdivisions and/or the methods requirement.

Anthropology majors are urged to become competent readers and speakers of a relevant modern foreign language (which may include American Sign Language). They are also urged to enhance their English reading, writing, speaking and critical thinking capabilities and develop their skills in computational, statistical and other forms of quantitative analysis at every opportunity. Students are encouraged to fulfill General Education and Exit requirements with courses relevant to their interests in anthropology whenever possible. In pursuit of all these goals, they should meet with the department's Undergraduate Advisor at least once each semester to discuss such topics as academic progress, future course plans, summer field schools, job opportunities, graduate education and professional careers in anthropology.

Requirements for the Minor in Anthropology

The minor in Anthropology consists of a minimum of 18 credit hours with a "C" average (2.0), distributed among three areas. Students will normally progress through these areas in the order listed below, selecting courses, prerequisite, or otherwise appropriate to courses desired in subsequent areas. Exceptions to this pattern must be approved by the department's undergraduate advisor. Students are urged to consult with an advisor to create the most beneficial set of courses. ANT 2000, although suggested, is not a prerequisite to subsequent courses, although it may be included in the 18 credits required for the minor.

1. Intermediate-level core courses (3-6 credit hours)

ANT 2410 Cultural Anthropology

ANT 2511 Biological Anthropology

ANT 3101 Archaeology

ANT 3610 Anthropological Linguistics

2. 4000-level elective courses (9-12 credit hours)

As described above in the listing of elective courses in archaeology, physical anthropology, anthropological linguistics and cultural anthropology.

Requirements for the Interdisciplinary Studies (ISS) Anthropology Cognate

In addition to the required ISS courses and those from another cognate discipline, the Anthropology Cognate is completed by taking either ANT 2000 or ANT 2410 and three additional ANT courses for major credit at the upper level. Students are expected to consult with the Anthropology Program director to select the most appropriate set of Anthropology electives relevant to their broader ISS major. See the ISS major in this catalog for further information.

• CRIMINOLOGY (CCJ)

The major in Criminology provides students with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections, crime prevention, crime analysis, private security, juvenile justice and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The program provides a solid background in the theory, issues and methodology comprising Criminology.

The objective of the undergraduate program in Criminology is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system.

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

Transfer students should be aware that by university regulation they are obligated to establish academic residency by completing the equivalent of one academic year (30 semester hours) in "on-campus" courses. All undergraduate transfer students electing Criminology as their major will be required, moreover, to take a minimum of 30 credit hours in major coursework at the University of South Florida. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Requirements for the Major in Criminology

A minimum of 36 semester hours is required of all undergraduate majors in Criminology including:

1. Each of the following core courses: (21 hours)
 - CCJ 3024 Survey of Criminal Justice (3)*
 - CJE 3444 Crime Prevention (3)
 - CCJ 3610 Theories of Criminal Behavior (3)*
 - CJE 3656 Introduction of Crime Analysis (3)
 - CCJ 3701 Research Methods I (3)**
 - CCJ 3706 Applied Statistics in Crime (3)
 - CCJ 4934 Senior Seminar (3)

2. 15 semester hours of electives within the major.

* These are gateway courses and are required for all other coursework in the major or minor; therefore, they need to be taken first.

**Students who plan to continue on to graduate school must also take CCJ 4700 as one of their electives within the major.

NOTE: No more than six (6) hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major. A student may take an unlimited amount of CCJ 4933 or 4934 as long as they vary in topics.

These residence requirements are designed to ensure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.

Any student who receives a grade of "D" or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

Requirements for the Minor in Criminology

The Department of Criminology offers a minor in Criminology. The minor consists of:

1. Two required courses:

CCJ 3024 (3)	CCJ 3610 (3)
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2. The selection of four of the following 3 hour courses for a total of 18 semester hours:

CJL 3110	CCJ 3621
CCJ 4934	CJL 4410
CJC 4010	CJE 4010

Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Criminology minor students are subject to the Department's "2 D" Rule.

• Economics (ECO)

Economics offers a clear and logical way of thinking about complicated issues such as unemployment, inflation, pollution, and crime. The department offers broad course choices allowing students to tailor their programs to provide training for professional careers in business, teaching, government, and law.

Requirements for the Major in Economics

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: The State of Florida has identified common course prerequisites for the major in Economics. These courses must be completed with a minimum grade of "C-" before the degree is granted. If the courses are not transferred in, they may be taken at USF.

ECO X013 Economic Principles: Macroeconomics

and

ECO X023 Economic Principles: Microeconomics

or

ECO XXXX and ECO XXXX

Coursework in the Economics Major:

A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 33 credits in Economics in addition to college requirements. The 33 credits must include:

- | | |
|--|-----|
| ECO 2013 Economic Principles: Macroeconomics | (3) |
| ECO 2023 Economic Principles: Microeconomics | (3) |
| ECP 3703 Managerial Economics | (3) |

ECO 3203 Intermediate Macroeconomics	(3)
QMB 2100 Business and Economic Statistics I	(3)
QMB 3200 Business and Economics Statistics II	(3)
Economics electives numbered 3000 or higher (may include FIN 3233)	(15)

ECO 3101, Intermediate Price Theory, may be substituted for ECP 3703. Students may not take both ECO 3101 and ECP 3703 for credit.

ECO 1000 (if taken before both ECO 2013 and ECO 2023) may be substituted for a maximum of 3 hours of upper level elective credit.

Students must obtain a grade of "C-" or higher in ECO 3101 or ECP 3703 in order to enroll in any course for which ECO 3101 or ECP 3703 is a prerequisite.

No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914.

At least 12 hours of upper level credit must be taken in residence at USF.

Requirements for the Minor in Economics

All students can earn a minor in Economics by satisfactorily completing 18 hours in Economics including:

ECO 2013 Economic Principles: Macroeconomics	(3)
ECO 2023 Economic Principles: Microeconomics	(3)
Economics electives numbered 3000 or higher (may include QMB 3200 and FIN 3233)	(12)

ECO 1000, if taken before both ECO 2013 and ECO 2023, may be substituted for 3 hours of upper level electives. Before being recognized as a minor in economics a student must obtain program approval by an academic advisor in DAV 134. A grade point average of 2.0 or higher must be achieved in the minor course work at USFSP and in all minor courses completed at any institution. At least 9 hours must be taken in residence at USF.

• ENGLISH (ENG)

Requirements for the Major in English

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements, thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university. The English Department does not accept Sign Language as a foreign language.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C-" is the minimum acceptable grade.

ENC 1101 Composition I
ENC 1102 Composition II

or

Six semester hours earned in courses taught in the English Department, **EACH** with 6,000 words of evaluated writing for a **TOTAL** of 12,000 words.

Suggested electives:

AMH 2010 American History I	3
AMH 2020 American History II	3
EUH 2021 Medieval History I	3
EUH 2022 Medieval History II	3

Upper-level coursework in the English Major:

The program in English provides three areas of specialization (divided into two degree-options below):

English and American literature - The primary mission of the literature option is to provide a solid foundation in the study of British and American literature. The program also offers courses in other world literatures in translation, cultural studies, feminist and ethnic studies, and both traditional and more recent critical approaches.

Professional and technical writing - The professional and technical writing option combines the study of English and American literature with an introduction to writing found in the professional workplace.

The English Education major is described under the section for the College of Education. Major requirements for English majors are listed below. A grade of “D” will not be counted toward fulfilling the major requirements. Grades of “D” or “F” in English courses will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. Students may not use more than one Directed Study toward meeting the major requirements. Transfer students must earn at least 15 hours in the major at USF. A 2.5 GPA in the major is required for graduation.

OPTION I: English and American Literature

Twelve courses (36 hours) as follows:

1. Two of the following:
 - AML 3031 American Literature to 1860
 - AML 3032 American Literature 1860-1912
 - AML 3051 American Literature 1912-1945
2. Four of the following:
 - ENL 3015 British Literature to 1616
 - ENL 3230 British Literature 1616-1780
 - ENL 3251 British Literature 1780-1900
 - ENL 3273 British Literature 1900-1945
 - ENL 3331 Early Shakespeare or
 - ENL 3332 Late Shakespeare
3. Five of the following, at least two of which must be from Group A:
 - Group A*
 - AML 4111 19th Century American Novel
 - AML 4121 20th Century American Novel
 - ENL 4122 British Novel through Hardy
 - ENL 4132 British Novel: Conrad to the present
 - ENL 4311 Chaucer
 - ENL 4338 Advanced Studies in Shakespeare
 - ENL 4341 Milton
 - LIT 3101 Literature of the Western World Through the Renaissance
 - LIT 3102 Literature of the Western World Since the Renaissance
 - LIT 4930 Selected Topics in English Studies
 - Group B*
 - AML 3031 American Literature to 1860
 - AML 3032 American Literature 1860-1912
 - AML 3051 American Literature 1912-1945
 - AML 3604 African-American Literature
 - AML 4261 Literature of the South
 - AML 4300 Selected American Authors
 - ENG 4060 History of the English Language
 - ENL 3015 British Literature to 1616
 - ENL 3230 British Literature 1616-1780
 - ENL 3251 British Literature 1780-1900
 - ENL 3273 British Literature 1900-1945
 - ENL 3331 Early Shakespeare
 - ENL 3332 Late Shakespeare
 - ENL 4303 Selected British Authors
 - LIN 4671 Traditional English Grammar
 - LIN 4680 Structure of American English
 - LIT 3022 Modern Short Novel
 - LIT 3031 Survey of Poetry
 - LIT 3043 Modern Drama
 - LIT 3093 Contemporary Literature
 - LIT 3144 Modern European Novel
 - LIT 3374 Bible as Literature
 - LIT 3410 Religious and Existential Themes
4. ENG 4013 Literary Criticism (Required for Literature majors)

OPTION II: Professional and Technical Writing

This 36-hour program allows undergraduates to concentrate their studies in professional writing, wherein they will master special writing skills demanded by industry, business, government, and the professions. The

English Department may arrange semester-long internships with local businesses, industries, and professional organizations. Interns will earn three credit hours and, in some cases, receive compensation from their employers for their duties.

Students choosing this concentration will also assure themselves of a core of liberal arts studies since they must take 21 credit hours of literature courses in addition to 15 hours of composition courses.

1. *Composition requirements:* Five courses (15 hours) as follows:

Five of the following:

- ENC 2210 Technical Writing
- ENC 3250 Professional Writing
- ENC 3310 Expository Writing
- ENC 4260 Advanced Technical Writing
- ENC 4311 Advanced Composition
- ENC 4931 Selected Topics in Professional and Technical Writing

2. *Literature requirements:* Seven courses (21 hours) as follows:

The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, two courses from Group 2, and three courses from Group 3 and/or Group 4.

Requirements for the Minor in English

English and American Literature Minor (15 hours)

1. *One of the following:*

- AML 3031 American Literature to 1860
- AML 3032 American Literature 1860-1912
- AML 3051 American Literature 1912-1945

2. *Two of the following:*

- ENL 3015 British Literature to 1616
- ENL 3230 British Literature 1616-1780
- ENL 3251 British Literature 1780-1900
- ENL 3273 British Literature 1900-1945
- ENL 3331 Early Shakespeare
- ENL 3332 Late Shakespeare

3. *One course at the 4000 level listed in major OPTION I*

4. *One additional 3000- or 4000-level course accepted for the major with AML, CRW, ENC, ENG, ENL, LIN, or LIT prefix.*

Professional and Technical Writing Minor (15 hours)

1. ENC 2210 Technical Writing
ENC 4260 Advanced Technical Writing
Any two of the following courses:
ENC 3250 Professional Writing
ENC 3310 Expository Writing
ENC 4311 Advanced Composition
ENC 4931 Selected Topics in Professional and Technical Writing
2. One AML or ENL course listed in OPTION I

• ENVIRONMENTAL SCIENCE AND POLICY (EVR)

The status of the earth's environment has been a major concern since the 1960s. As we enter the 21st century, it represents one of the most critical issues facing nearly all nations individually as well as the earth community as a whole. Increased population, technology, globalization and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites.

The environmental industry is a growing arena for employment for degree holders at all levels. Students completing the Bachelor of Science (B.S.) in Environmental Science and Policy have found employment with government agencies (city, county, state, and federal), private industry, and non-profit organizations. Examples of careers include field scientist, research scientist, policy analyst, lobbyist, conservationist, and educator. Some also go on to attend graduate or law school.

The B.S. in Environmental Science and Policy was approved in 1995. This interdisciplinary program is housed in the College of Arts and Sciences. All students must complete the University's General Education Requirements. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, one semester of calculus, 2 semesters each of general biology

and general chemistry, environmental ethics, environmental politics and policy, statistics and physical science (either geology or physics). In addition, majors take 6-7 courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take a second semester of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and 4 electives within designated categories. Finally, all majors must complete an upper division seminar and an internship or project. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Requirements for the Major in Environmental Science and Policy

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. *There are no State Mandated Common Prerequisites for this degree program.*

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following required supporting major courses prior to entering the university. Unless stated otherwise, a grade of "C-" is the minimum acceptable grade.

BSC 2010, 2010L & BSC 2011, 2011L
Biology I and II with Lab 8

and
CHM 2045 & CHM 2045L General Chemistry & Lab 4
CHM 2046 & CHM 2046L General Chemistry II & Lab 4

plus
STA 2023 Introductory Statistics 4
One approved Geology or Physics Course with Lab 4

and either
MAC 2241 Life Sciences Calculus I 4

or
MAC 2281 Engineering Calculus I 4

or
MAC 2311 Calculus I 4

A second semester of calculus is only required of students pursuing the ESP-Science concentration.

Students may choose among:

MAC 2242 Life Sciences Calculus II 4

or
MAC 2282 Engineering Calculus II 4

or
MAC 2312 Calculus II 4

Students who are eligible for an internship must see the internship coordinator six weeks prior to the beginning of the semester in which they will complete the internship.

REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS

EVR 2001 Intro to Environmental Science
EVR 2001L Intro to Environmental Science Lab
EVR 2861 Intro to Environmental Policy
EVR 4921 ESP Seminar
BSC 2010 Biology I
BSC 2010L Biology Lab I
BSC 2011 Biology II
BSC 2011L Biology Lab II
MAC 2241 Life Sciences Calculus I
or
MAC 2281 Engineering Calculus I
or
MAC 2311 Calculus I
CHM 2045 General Chemistry I
CHM 2045L Chemistry Lab I
CHM 2046 General Chemistry II
CHM 2046L Chemistry Lab II

PUP 4203 Environmental Politics and Policy
 PHI 3640 Environmental Ethics
 EVR 4910 ESP Project
or
 EVR 4940 ESP Internship

Statistics

STA 2023 Introductory Statistics I
or
 QMB 2100 Business and Economic Statistics
or
 EGN 3443 Engineering Statistics

Geology or Physics

GLY 2010 Dynamic Earth
 GLY 2015L Essentials of Geology Lab
 or
 GLY 2100 Historical Geology
 GLY 2015L Essentials of Geology Lab
 or
 PHY 2048 General Physics
 PHY 2048L General Physics Lab
 or
 PHY 2053 General Physics
 PHY 2053L General Physics Lab

Science Track

MAC 2242 **OR** MAC 2282 **OR** MAC 2312 and CHM 2210 and CHM 2210L plus 4 electives from the following tracks: Restoration, Water Quality, Environmental Monitoring or Marine Resources. Please contact the advising office for a current list of electives under these categories.

Policy Track

ECP 3302 and POS 3697

plus four approved policy-related electives.

Please contact the advising office for a current list of electives under this category.

Requirements for the Minor in Environmental Policy

A total of 19-20 credits are required for the minor in Environmental Policy, 12 of which must be completed at USF. The Minor in Environmental Policy consists of the following program outline:

Required core courses:

EVR 2001 Introduction to Environmental Science
 EVR 2001L Introduction to Environmental Science Lab
 EVR 2861 Introduction to Environmental Policy

Three of the following four courses:

PUP 4203 Environmental Politics and Policy
 PHI 3640 Environmental Ethics
 ECP 3302 Environmental Economics
 (prerequisite: ECO 2023 Microeconomics)
 POS 3697 Environmental Law

Plus one approved policy-related elective. Please contact the advising office for a current list of electives under this category.

• GEOGRAPHY (GPY)

The degree program in Geography consists of 11 courses (41 hours total), 7 of which are core courses required of all majors, and four of which are electives chosen by the student. Upper level electives offer applied and techniques orientations for students, depending on their interests, to complement the core course structure for the major. Electives in physical geography focus on major environmental systems including the hydrosphere, atmosphere, geosphere, and biosphere. Particular emphasis is placed on the human modification of the natural environment and the global interconnections of the major earth systems. Electives in human and urban geography focus on the social and spatial effects of the growth of cities, including issues such as the historical evolution of urban form and function, land-use changes and conflicts, economic restructuring, the growth and decline of inner-cities, and urban racial and ethnic relations.

Students are encouraged to seek assistance with the choice of electives through the department undergraduate advisor.

Requirements for the Major in Geography

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Two introductory courses in Geography with GEO prefix must be completed:

GEO XXXX	3
GEO XXXX	3

Major Course Requirements

A major in Geography consists of 11 courses as follows:

Required core courses (7 courses + lab):

GEO 2200	Intro to Physical Geography	(3)
GEO 2200L	Intro to Physical Geography Lab	(1)
GEO 2400	Intro to Human Geography	(4)
GEO 3164C	Research Methods in Geography	(4)
GEO 4933	Geography Colloquium	(1)
GIS 3006	Computer Cartography	(4)
GIS 4043C	Geographic Information Systems	(4)
GEA XXXX	One course with GEA prefix	(4)

Supporting Courses (4 courses):

With the help of their advisor, majors must select 4 courses (or 16 credits) from among the following list for their additional course work:

GEO 3602	Urban Geography	(4)
GEO 4414C	Geographic Techniques & Methodology	(4)
GEO 4204C	Topics in Physical Geography	(4)
GEO 4210	Process Geomorphology	(4)
GEO 4244	Tropical Meteorology	(4)
GEO 4265	Soil Genesis and Classification	(4)
GEO 4280C	Hydrology	(4)
GEO 4284	Water Resources Management	(4)
GEO 4300	Biogeography	(4)
GEO 4340	Natural Hazards	(4)
GEO 4372	Global Conservation	(4)
GEO 4421	Cultural Geography	(4)
GEO 4471	Political Geography	(4)
GEO 4502	Economic Geography	(4)
GEO 4604	Topics in Urban Geography	(4)
GEO 4700	Transportation Geography	(4)
GIS 4035C	Remote Sensing of the Environment	(4)
MET 4002	Climatology	(4)
MET 4010C	Meteorology	(4)

Courses Excluded as Electives for the major:

GEO 1930	Geography of Current Events	(4)
GEO 2371	Earth System Science	(3)

Only 4 combined hours of the following courses may be applied toward the degree:

GEO 4900	Directed Reading	(1-4)
GEO 4910	Individual Research	(1-4)

Minimum Requirements for Major

Students must earn a C- or better in all major course work. D and F grades earned in major course work will be used in calculating the major GPA, except where removed by grade forgiveness. Students must maintain a minimum 2.0 major GPA in order to graduate.

Requirements for the Minor in Geography

A minor in Geography consists of 20 credit hours, with a minimum grade-point average of 2.0. Eight (8) hours for minor must be USF coursework. The required courses are:

GEO 2200 (3) GEO 2200L (1) GEO 2400 (4)

One GEA elective (4) and two upper level (3000-5000 level) GEO, MET or URP electives (8).

Students may not apply upper level Geography electives to the Geography minor if these electives are being used to satisfy their major requirements.

• GOVERNMENT & INTERNATIONAL AFFAIRS (POL)

The program in Government and International Affairs includes the study of Political Science. Its goal is to provide students the opportunity to study the nature of government, politics, and administration at the local, national, and international levels, as well as the interdisciplinary nature of the international system. Towards that end it offers students an undergraduate degree. The program in Government and International Affairs provides students with a range of courses of study and areas of concentration.

POLITICAL SCIENCE (POL)

The undergraduate program leading to the B.A. degree in political science offers a general purpose degree, and a number of more specialized alternatives. The program is designed for students interested in and seeking to understand political problems, issues, and the nature of the political process, as well as the philosophical and legal basis of political structures and processes at local, state, national, and international levels. Satisfying the degree requirements prepares students for positions in the public and private sectors, for law school, for graduate work in political science, international relations, public administration, and related disciplines, for positions in education, and for applied political activity.

Requirements for the Major in Political Science

Prerequisites (State Mandated Common Prerequisites)

Students should complete any two introductory courses with a POS, INR or CPO prefix (ideally POS 1041 or POS 2041, and POS 1112 or POS 2112) at the lower level prior to entering the university. If these introductory courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade.

Upper-level Course Requirements

A minimum of 36 credit hours is required to satisfy the requirements of the major. Students must take the 12 credit hours of required core courses in political science. No more than six credit hours can be taken from POS 4905, POS 4910, and POS 4941. Students enrolled in the Washington, D.C. semester program may have this rule altered by their advisor. (A GPA of 3.0 is required to enroll in these courses; the Chair may grant special exception for students with a GPA between 2.70 and 2.99).

In addition, all Political Science majors are required to take at least 3 credit hours of Economics (See your advisor for recommendations).

Students transferring credit hours toward a major in political science must complete a minimum of 21 credit hours within the Department, regardless of the number of credits transferred.

The undergraduate curriculum in political science is composed of the following:

Required Core Courses (12 credit hours)

CPO 2002 Introduction to Comparative Politics (3)

or

INR 2002 Introduction to International Relations (3)

and

POS 2041 American National Government (3)

POT 3003 Introduction to Political Theory (3)

POS 3713 Empirical Political Analysis (3)

Note that either CPO 2002 or INR 2002 must be taken as a core course. However, the other course not taken as a core course may be taken as an elective.

Students should complete POT 3003 and POS 3713 by the end of their junior year; students transferring with 45 credit hours or more must complete these courses within their first two semesters in residence at USF. A grade of "C" or better is required in all core courses.

Students must choose electives from the seven fields (24 credit hours) with at least one course from Field I, one course from Field II or III, and one course from any of Fields IV, V, VI, or VII. Core courses must be completed before a course from a given field or field grouping can be taken.

Field I Political Theory

POT 3013 (3) POT 4064 (3)
POT 4054 (3) POT 4204 (3)

Field II Comparative Government and Politics

CPO 4034 (3) CPO 4930 (3) CPO 5934 (3)

Field III International Relations

INR 3102 (3) INR 3370 (3) INR 4403 (3)
INR 3038 (3) INR 4035 (3) INR 4502 (3)
INR 3336 (3) INR 4254 (3) INR 5086 (3)

Field IV American National and State Governments

POS 2080 (3) POS 3453 (3) POS 5094 (3)
POS 2112 (3) POS 4204 (3) PUP 4323 (3)
POS 3173 (3) POS 4413 (3)
POS 3182 (3) POS 4424 (3)

Field V Urban Government and Politics

POS 3142 (3) POS 5155 (3) URP 4050 (3)

Field VI Public Policy

INR 3102 (3) PUP 4203 (3) PUP 5607 (3)
PUP 4002 (3) PUP 4323 (3) URP 4050 (3)

Field VII Law and Politics

INR 4403 (3) POS 3691 (3) POS 4624 (3)
POS 3283 (3) POS 4614 (3) POS 4693 (3)
POS 4694 (3)

The following courses are not included within any of the seven fields, but may still be used as elective hours:

PAD 3003 (3) POS 4936 (3) PAD 4204 (3)
POS 4941 (3-15) POS 4905 (1-3) POS 4970 (3)
POS 4910 (1-3) POS 3931 (3) POT 4109 (3)
POT 4661 (3) POT 4936 (3)

Requirements for the Minor in Political Science

A minor in political science requires the completion of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POT 3003. An additional 12 credit hours of courses included in the Political Science major are also required.

Students transferring credit hours toward a minor in political science must complete 12 credit hours within the Department, regardless of the number of credit hours transferred.

Field Work

Political Science has a field work program that provides students with part-time internships with state and local government and with political parties at the state and local level. Academic credit is available for such internships. For further information, contact the CAS Advisor in DAV 134.

• HISTORY (HTY)

The discipline of history embraces a diverse world of ideas, peoples, and events. Our faculty seeks to inform and question, to provoke and to challenge our students to a higher level of understanding of the past. History at South Florida offers the student an opportunity to explore civilizations from around the globe and from the ancient through contemporary eras. We encourage our students to move beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis. Accomplished history majors are attractive to all kinds of employers in any number of fields, as well as to graduate and professional schools. USF history alumni can be found in such diverse professions as law, medicine, business, government, foreign service, politics, and education.

Requirements for the Major in History

A minimum of 36 semester hours is required for a major in history. A minimum grade of “C” or better must be attained in each course counted toward the 36-hour requirement. However, grades of “D” or “F” in history coursework will be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. If students transfer with fewer than 60 semester hours of acceptable credit, they must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students at a community college planning to transfer to USF and major in history are encouraged to complete as many of the lower level requirements as possible at the community college level. Courses that fulfill the General Education/Gordon Rule requirement would be especially valuable. The minimum acceptable grade for courses being transferred for history department credit is a “C.” If these courses have not been completed satisfactorily upon enrolling at USF, they must be taken before the degree is granted.

Lower-level Course Requirements for the Major

A minimum of 12 hours of 2000 level courses, or their equivalent, constitute the lower level requirements. Two of these courses must be sequential. Students may choose from introductory courses in the fields of Ancient, Medieval, Modern European, or American history to fulfill this two-course sequence. The remaining hourly requirements may be filled by taking any of the other 2000 level history courses.

Upper-level Course Requirements for the Major

A minimum of 24 hours of course work from the 3000-4000 level is required to fulfill the 36-hour minimum requirement. Two of these courses, the Pro-Seminar and the Theory of History courses are required for all majors. These courses may only be taken in the last two semesters prior to graduation and may not be taken during the same semester. The remaining 16 hours of credit may be chosen from the department offerings each semester. It is recommended that history majors take ENC 3310, “Expository Writing,” SPC 2600, “Public Speaking,” and LIS 2937, “Library/Internet Research Skills.” Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Classics, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Religious Studies, Sociology, Women's Studies, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language.

Open University courses and exit courses titled “Issues in History” (HIS 3938) and “War and Society” (HIS 3308) are not eligible for major field credit.

Requirements for the Minor in History

The minor in History entails a 18-hour program organized and contracted by the student and the department around the specific needs of the student's major program. A minimum of 8 hours must be completed at the University of South Florida and the student must maintain a 2.0 GPA in the minor. A minimum grade of “C” or better must be attained in each course. One lower-level sequence is required, earning 6 credit hours. The department will supervise certification of the minor. Students interested in a minor in history are encouraged to see the History department advisor as early in their undergraduate program as possible.

Open University courses and exit courses titled “Issues in History” (HIS 3938) and “War and Society” (HIS 3308) are not eligible for minor field credit.

• INTERDISCIPLINARY SOCIAL SCIENCES (ISS)

The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

Specific requirements for a B.A. degree in Interdisciplinary Social Sciences (ISS) are outlined below:

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

There are no State Mandated Common Prerequisites for the ISS degree program.

Some of the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses, could count toward the ISS degree. A grade of "C" is the minimum acceptable grade.

AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora]	(3)
AMH 2010 American History I	(3)
or	
AMH 2020 American History II	(3)
ANT 2000 Introduction to Anthropology	(3)
ECO 2013 Economic Principles (Macroeconomics)	(3)
ECO 2023 Economic Principles (Microeconomics)	(3)
GEA 2000 World Regional Geography	(4)
POS 2041 American National Government	(3)
or	
POS 2112 State and Local Government	(3)
SYG 2000 Introduction to Sociology	(3)
WST X015 Introduction to Women's Studies	(3)

Interdisciplinary Core Courses

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human life and experience; the various concepts, theories and methods used in the social sciences; and apply them to contemporary issues and questions. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

Coursework required for Interdisciplinary Social Sciences Majors

1. Required core courses for the major are:

ISS 3010 Introduction to Social Sciences	(3)
ISS 4935 Seminar in the Social Sciences - <i>MW</i>	(3)
STA 2122 Social Sciences Statistics - <i>6A QM</i>	(3)
2. The ISS student chooses two cognate areas and completes twelve hours in each. In addition, ISS students shall pass three special electives, at least one course from three categories that emphasize cultural diversity and environment/society relations.
3. Students should work out a program of study at the onset of their junior year, particularly before too many courses are completed in the College of Arts and Sciences. **No student should assume that courses already completed will automatically count toward the ISS degree.**
4. The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.
5. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.
6. ISS majors must satisfy two semesters of a foreign language in order to graduate.

No transfer courses with grades of "D" are acceptable for credit in the ISS major.

COGNATE AREAS - Students select two areas and take 12 hours in each. Cognates must be selected from the areas of study listed below:

Africana Studies, Anthropology, Criminology, Economics, Environmental Science and Policy, Geography, History, International Studies, Latin American Studies, Political Science, Psychology, Social Work, Sociology, and Women's Studies.

• MASS COMMUNICATION WITH JOURNALISM AND MEDIA STUDIES (JMS)

The Department of Journalism and Media Studies, accredited by the Accrediting Council on Education in Journalism and Mass Communications, offers approximately 25 courses varying in content from the highly technical and field-specialized in some cases to an essential liberal arts orientation in others. The program introduces students to the theories, principles, and problems of communications, emphasizing the concept of freedom of information as the cornerstone of constitutional democracy and preparing students for future leadership roles in communications media. Graduates should understand the structure and functions of mass media systems as well as the basic processes of communication.

Majors seeking careers in the mass media will be directed to the various media in close contact with the School for summer internships, practica and part-time work. A limited number of students will have the opportunity to serve as interns with a mass communications organization and take MMC 4945 once for three hours credit. On a case-by-case basis, based upon application and departmental approval a student who has already completed MMC 4945 for credit may be allowed to take a second internship for credit. The second internship will be administered as a one-hour credit "Practicum" (JOU 3940, JOU 4941, JOU 4944).

Requirements for the Major in Mass Communications with Journalism and Media Studies

To be admitted to the core curriculum in Mass Communications, students must have completed general education requirements or a minimum of 45 hours with a 2.75 minimum Overall Grade Point Average, including ENC 1101 and 1102 with a grade of "C" or higher (no C-) in each. Applicants must establish a minimum score of 60 percent on the Mass Communications English Diagnostic Test prior to entering MMC 2100 (Writing for Mass Media). (Students who transfer MMC 2100 or its equivalent must pass the Mass Communications English Diagnostic Test with a score of at least 70 percent). All three courses in the Mass Communications core curriculum (MMC 2100, MMC 3602* and VIC 3001) must be completed with a minimum grade of "C" before any other Mass Communications course may be taken. Students failing to achieve a minimum grade of "C" in MMC 2100, MMC 3602* and VIC 3001 will be disallowed as majors. A 2.5 GPA in Mass Communications courses is required for graduation. * MMC 3602 must be used to satisfy a General Education requirement, if the student is to remain within 124 hours for the degree.

The Mass communication major requires nine hours of pre-core curriculum courses (MMC 2100, MMC 3602* and VIC 3001) and 35 hours of a combination of required and selective sequence courses for a total of 44 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC 2100) are a part of the graduation requirement. * MMC 3602 must be used to satisfy a General Education requirement, if the student is to remain within 124 hours for the degree.

Mass Communications majors are required to take a minimum of 80 hours in courses outside the journalism and Mass Communications areas, with no fewer than 65 hours in the basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the program advisor in Davis Hall.) To facilitate this, no more than 44 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement. Mass Communications majors taking more than 44 hours of Mass Communications courses, regardless of the departments in which those courses are listed, must add those hours to the 124 hours required for graduation. In particular, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

At least twenty-two (22) hours of resident department courses are required.

All material submitted by students as assignments in writing, reporting, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The department uses a variety of print and electronic media outlets.

Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement.

Most Mass Communications courses have prerequisites as specified in the course description (these prerequisites are separate from the State Mandated Common Prerequisites for program admission listed below). Refer to each prerequisite listed to determine progressive prerequisites for each course. Students also should note that the Mass Communications major is a four-semester program.

Prerequisites (State Mandated Common Prerequisites)

This is a limited access program. Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students must complete 18 semester hours outside the Mass Communications curriculum and beyond the 36 hours general education requirements prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

- English Composition (minimum grade of "C") (6)
- MMC 3602 Mass Comm and Society (3)

Prior to being admitted to the School of Mass Communications, a student must:

Complete a minimum of 45 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.75 overall GPA, and pass a School-administered English Diagnostic Test.

A maximum of nine semester hours in Mass Communications courses will be accepted from a community college or other lower-level program toward a degree in Mass Communications. It is suggested that the nine hours include the equivalent of the School core curriculum and one sequence introduction course. Approval by an appropriate advisor is required.

Required Coursework for the Mass Communications Major

Pre-Core 9 hours

MMC 2100 Writing for the Mass Media (3)

MMC 3602 Mass Comm and Society (3)*

VIC 3001 Introduction to Visual Communications (3)

* MMC 3602 must be used to satisfy a General Education requirement, if the student is to remain within 122 hours for the degree

Foundation Core 9 hours

MMC 4200 History and Principles of Communications Law (3)

MMC 4203 Communications Ethics (3)

MMC 4420 Research Methods in Mass Communications (3)

Professional Core 11 hours

JOU 2100 Beginning Reporting (3)

JOU 4188 Neighborhood News Bureau (3)

JOU 4201 News Editing I (3)

JOU 4938 Senior Capstone Seminar (2)

Other Electives 15 hours (With the assistance of an advisor, choose five courses)

JOU 4181 Public Affairs Reporting

JOU 2208 Magazine Article/Feature Writing

JOU 3308 Feature Writing

JOU 4206 News Editing and Design

JOU 4212 Magazine Design and Production

PGY 3610 Photojournalism I

PGY 3620 Photojournalism II

MMC 4140 Video Storytelling

MMC 4936 Video Storytelling II

MMC 4125 Media Convergence

MMC 3141 Web Publishing

MMC 4110 Science Writing

MMC 4111 Literary Journalism

MMC 4945 Media Internship Seminar

Special Topics (with advisor approval)

Internship

Outside Electives Requirements 9 hours (Choose from among the following electives)

ECO 2013 (Macro)

or

ECO 2012 (Micro)

ANT 2410 Introduction to Cultural Anthropology (Required)

PHI 1103 Critical Thinking

POS 2112 State and Local Government and Politics

or

POS 3142 Intro to Urban Politics & Government

CCJ 3024 Survey of Criminal Justice System

ARH 4724 History of Graphic Design

PUP 4203 Environmental Politics and Policy

BSC 2050 Environment

PHI 3640 Environmental Ethics

ANT 4462 Health, Illness and Culture

3. 4000 Level Requirement (21 semester hours)

PSY 3204 and PSY 3213 must be completed before any 4000 level courses are attempted. Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:

Group I

EXP 4204C Perception
 EXP 4404 Psychology of Learning
 PSB 4013C Physiological Psychology
 EXP 4304 Motivation
 EXP 4680C Cognitive Psychology

Group II

CLP 4143 Abnormal Psychology
 INP 4004 Industrial Psychology
 SOP 4004 Social Psychology
 DEP 4053 Developmental Psychology
 PPE 4003 Personality

and any 3 additional courses numbered at the 4000 level.

Note: No more than a total of 3 hours of the following courses may count toward the major:

PSY 4913 Directed Study
 PSY 4970 Honors Thesis.

PSY 4932 may not count toward the major.

Statistics and Biological Science are required. Otherwise, students majoring in psychology are encouraged to complete a varied undergraduate program.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3204 (or other qualifying statistics course) and PSY 3213, not "C-". For students minoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for PSY 3213.

For students majoring in Interdisciplinary Social Sciences, any college-level statistics course with a grade of "C" or better may serve as prerequisite for 4000 level courses in Psychology but does not substitute for the PSY 3213 requirement.

Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, and any four 4000-level psychology courses except PSY 4913. Students minoring in Psychology must also obtain a "C" or better in any college level statistics course in lieu of PSY 3213, or must complete PSY 3213 with a "C" or better. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

• WORLD LANGUAGE (WLE)

Requirements for the Minor in French and Francophone Studies

A minor in French and Francophone Studies consists of a minimum of 15 credit hours, comprising of FRE 2201 French IV (3), FRE 2241 Conversation I (3), FRE 3420 Composition I (3), FRE 3500 French Civilization (3). Supporting courses required for the minor (3 credit hours) 3 hours in 3000, 4000 or 5000 level courses. A GPA of 2.0 or better in the minor is required for certification. See an Undergraduate Advisor for suggested minor programs for students majoring in various fields.

Requirements for the Minor in Spanish and Latino Studies

A minor in Spanish and Latino Studies consists of a minimum of 15 credit hours, comprising of SPN 2201 Spanish IV (3) SPN 2240 Conversation I (3) SPN 3300 Advanced Spanish Grammar and Composition (3) (3) SPN 3520 Spanish American Civilization (3). Supporting courses required for the minor (3 credit hours) 3 hours in 3000, 4000 or 5000 level courses. A GPA of 2.0 or better in the minor is required for certification. See an Undergraduate Advisor for suggested minor programs for students majoring in various fields.

STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

Alpha Phi Sigma - Alpha Phi Sigma is the National Honor Society in Criminal Justice and Criminology, founded in 1942 for the purpose of promoting academic excellence in order to make the criminal justice

system and its practitioners more effective and ethical. Membership in the Chi Sigma Mu chapter at USFSP is open to students who display excellence in the study of criminology. Alpha Phi Sigma is a member of the Association of College Honor Societies and is an affiliate of the Academy of Criminal Justice Sciences.

Anthropology Club - The goals of the club are to promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and foster an informal and creative atmosphere for interaction. For further information please see the anthropology program web page at <http://www.stpt.usf.edu/coas/anthropology/>.

Criminology Student Association - This association allows students to gain a better understanding of the criminal justice system and introduces students interested in criminology to potential employers in the area. The association aims to promote professional, academic and public awareness of criminal justice issues.

Psi Chi - Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the American Psychological Society.

Sigma Tau - Sigma Tau Delta's central purpose is to confer distinction upon students of the English language and literature in undergraduate, graduate and professional studies. Sigma Tau Delta also recognizes the accomplishments of professional writers who have contributed to the fields of language and literature. Members have the opportunity to be recognized for their outstanding achievements, enrich their education, help them make career choices and advance their careers. The society provides cultural stimulation on college campuses and in the surrounding community, promoting interest in literature and the English language.

USFSP Psychological Science Organization - This unique student organization was created to provide a career and post-graduate preparatory network to USFSP psychology majors, and to provide information about relevant on-campus psychology matters to non-majors. Operating as an information clearinghouse, through the media of meetings, social events, and published documents, the Psychological Science Organization strives to facilitate networking and academic involvement. Membership is open to anyone having interest and involvement in the activities of the organization, and our faculty strongly encourages all USFSP students majoring or planning to major in psychology to become active members.

ARTS AND SCIENCES FACULTY

Anthropology

Professor : J. Sokolovsky, *Assistant Professor*: J. Arthur, K. Weedman Arthur

Art

Associate Professor: S. Bundrick , J. Spadaro; *Assistant Professors*: D. Angello, M. Normand.

Criminology

Associate Professor: J. Schneider, D. Cecil *Assistant Professor*: L. Holland-Davis.; *Instructor*: W. Ruefle

English

Associate Professors: J. Armstrong, L. Starks; *Assistant Professors*: T. Conner, M. Gresham, T. Hallock, J. McCracken, L. Whalen; *Instructors*: K. Minor, K. White.

Environmental Science and Policy

Professors: C. D'Elia, J. Gore; *Associate Professors*: , D. Cassill, D. Smoak, M. Riedinger-Whitmore; *Assistant Professors*: H. Alegria, K. Carvalho-Knighton, J. Krest.

Florida Studies

Professors: R. Arsenault, G. Mormino.

Geography

Associate Professor: R. Johns, B. Dixon; *Assistant Professors*: A. Dorsey.

Government and International Affairs

Professors: A. Njoh, D. Paulson; *Associate Professor:* T. Smith; *Assistant Professor:* S. McKee, J. Scourfield-McLauchlan.

History

Professor: R. Arsenault, D. Carr, G. Mormino; *Associate Professor:* S. Fernandez; *Assistant Professor:* J. Kessenides.

Interdisciplinary Social Sciences

Assistant Professors: C. Meindl, E. Schmidt.

Mass Communications with Journalism and Media Studies

Professors: D. Elliott, A. Silvia; *Associate Professors:* R. Dardenne, M. Walters; *Assistant Professor:* C. Koski, X. Wang;

Mathematics

Assistant Professor: E. Asano *Instructors:* A. Hoare

Philosophy

Professor: H. LaFollette, Jr.

Psychology

Professor: V.M. Durand, J. McHale; *Associate Professor:* M. Pezzo; *Assistant Professors:* T. Chenneville, E. Odgaard, M. Otsu

Sociology

Professor: Frank Biafora

Social Work

Assistant Professors: S. Allen, J. Cabness.

World Language Education

Assistant Professor: M. Fernandes, Narciso Hidalgo

COLLEGE OF BUSINESS

The College of Business offers courses of study leading to both undergraduate and graduate degrees. All degree programs offered by USFSP are fully accredited by AACSB International — The Association to Advance Collegiate Schools of Business, and the Accounting major offered by the Program of Accountancy is also separately accredited by AACSB International.

The undergraduate curriculum that leads to a Bachelor of Arts or Bachelor of Science degree is composed of several segments: (1) broad general education in the arts, humanities and sciences; (2) the common body of knowledge for management responsibilities; and (3) specialized areas of concentration in Accounting, Economics, Finance, General Business, International Business, Management, Information Systems, and Marketing. Through flexibility in its requirements, the College is able to satisfy the different interests and career objectives of students with diverse backgrounds.

The College of Business is in Bayboro Station near the corner of 3rd Street South and 13th Avenue South in St. Petersburg.

Mission

The mission of the College of Business at USF St. Petersburg is to educate current and future professionals in the effective management and ethical leadership of organizations. We engage in theoretical and practical research as well as provide service to both the University and external community. We meet the demands

of our diverse student population by preparing them for an increasingly global environment with both undergraduate and graduate degree programs.

Undergraduate Admission to the College

Admission to the College of Business is based upon availability of faculty and space within each discipline. The College is an upper-level, limited access college, which means that it has admission requirements **in addition to** those of the University in general. Students interested in pursuing a degree in the areas offered by the College of Business must complete the required prerequisites for entering the college in addition to other related criteria listed in 1-4 below.

Requirements for Admission to the College of Business

1. Before declaring a major in the College, students must satisfy the following criteria:
 - a. Minimum of 60 semester hours of college credit earned.
 - b. Minimum of 2.5 cumulative grade point average on all college-level work and a minimum of 2.0 on all credit attempted at USF, including any prior to renewal.
 - c. Completion of the following State Mandated Common Prerequisites (or equivalents) with a grade of C- or higher in each course and an overall 2.0 GPA:
 - ACG X021 Financial Accounting
(or ACG X001 & ACG X011)
 - ACG X071 Managerial Accounting
 - CGS X100 Computers in Business
(or acceptable substitute)
 - ECO X013 Principles of Macroeconomics
 - ECO X023 Principles of Microeconomics
 - MAC X233 Business Calculus
 - STA X023 Introductory Statistics or QMB X100
 - d. In computing entry grade point average all business and economics courses taken for S or U grades will be converted to C or F, respectively.
2. Students working toward meeting the limited access criteria will be permitted to enroll in all foundation courses in Business (listed below) except GEB 4890, provided they have completed 60 semester hours and have met course prerequisites.
3. A minimum score of 550 on paper and pencil or 213 on computerized TOEFL is required, when applicable.
4. Students must be admitted to the College of Business at least one term before their anticipated graduation date.

Transfer Students

Transfer credits will be accepted from accredited institutions; however, all hours earned may not be applied toward USFSP business degree requirements. Individual courses will be evaluated by an academic advisor and appropriately credited toward requirements in the student's program at USFSP.

Florida public junior/community college students enrolled in an Associate of Arts (AA) program should normally complete the general education requirements and the State Mandated Common Prerequisites at the junior/community college. As a rule, AA students should avoid taking any business courses at the junior/community college that are listed as 3000 and 4000 level courses at USFSP. Normally, courses in finance, marketing, management, and accounting, as well as other business and economics courses, taken at the lower division level that are offered as upper division courses at USFSP will not be accepted for upper division credit in business or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of written examinations prepared and administered by the College of Business or by successfully completing specified advanced courses in the discipline.

Florida public junior/community college students pursuing an Associate of Science (AS) program in Business Administration are fully admissible to USFSP. Please see a business advisor to determine the articulation courses, discuss admission to the College of Business and prepare a program plan for degree completion. Students transferring to the College of Business with an A.S. in Business Administration may earn a major in General Business Administration only.

Florida public junior/community college students pursuing an Associate of Science (AS) program in any other discipline should contact the USFSP Office of Admissions, BAY 102, (727) 873-4142 for information regarding course transferability and degree articulation.

BACCALAUREATE LEVEL DEGREE PROGRAMS

General Requirements for B.A./B.S. Degree in Business

Students must satisfactorily complete a minimum of 120 semester hours. Of the minimum 120, at least 60 hours must be business courses, and a minimum of 54 hours must be non-business courses (i.e., all courses not normally offered in the College of Business). Additional electives may be required to reach a minimum of 120 hours and can be either business or non-business.

As a part of the 120-hour requirements for the B.A. or B.S. degree, the following criteria also apply:

GPA: A minimum grade-point average of 2.0 must be achieved in the major and/or minor field, as well as in all College work and in all USF work, for students to be certified for graduation.

CLAST and Gordon Rule: Students must have satisfactorily completed CLAST and the writing and computation course requirements of 6A-10.30 ("Gordon Rule").

Foreign Language: For a Bachelor of Arts degree, students must demonstrate competency in a foreign language (refer to the Academic Policies and Procedures section of this catalog). The College of Business does not approve American Sign Language for the Foreign Language Exit Requirement.

Residency: College of Business residency requirements for graduation exceed the minimum requirements established for USFSP. Students are required to complete satisfactorily at USFSP a minimum of 50 percent (30-33 semester hours depending on major) of required business courses, including 12-18 semester hours in the major field. Normally, independent study and independent research courses do not fulfill this requirement.

International Course Requirement: All business students are required to select at least one course that deals with contemporary international topics. This course can be included in the business, non-business, or elective category. Consult with a business advisor for suggestions on acceptable courses.

No S/U courses in major or minor: All courses in the major or minor field and all foundation coursework in business must be taken on a graded basis; the S/U option is not available.

Degree Requirements

NON-BUSINESS (54 hrs. minimum)	Semester Hours
1. General Education Requirements*	
a. English Composition	6
b. Quantitative Methods (Calculus is required)	6
c. Natural Sciences	6
d. Social Sciences	6
e. Historical Perspectives	6
f. Fine Arts	3
g. African, Latin American, Middle Eastern, or Asian Perspectives	<u>3</u>
Total	36
2. Liberal Arts Exit Requirements*	
a. Major Works and Major Issues	6
b. Literature and Writing	<u>3</u>
Total	9
<small>*See Liberal Arts Requirements for more details</small>	
3. Speech/Writing Requirements for Business Majors	
a. SPC 2600 Public Speaking	3
or	
COM 3110 Communication for Business and the Professions	
b. ENC 3213 Professional Writing	<u>3</u> or
ENC 3310 Expository Writing or equivalent	
Total	6
4. Additional elective credits	
Students may or may not need to take additional hours to meet the minimum of 54 non-business credits (see "Electives" heading below for a suggested course)	
Total non-business credit hours	54
BUSINESS (60-66 hrs. minimum)	
1. Foundation Courses in Business	
Required - a minimum grade of C- in each foundation course with an overall 2.0 GPA	
ACG 2021 Principles of Financial Accounting	3
ACG 2071 Principles of Managerial Accounting	3
ECO 2013 Economic Principles: Macroeconomics	3

ECO 2023	Economic Principles: Microeconomics	3
QMB 2100	Business & Economic Statistics I	3
BUL 3320	Law and Business I	3
FIN 3403	Principles of Finance	3
ISM 3011	Information Systems in Organizations	3
QMB 3200	Business & Economic Statistics II	3
MAN 3025	Principles of Management	3
MAR 3023	Basic Marketing	3
GEB 4890	Strategic Mgmt/Decision Making	3
Total		36
2.	Major Requirements (specific courses for each major are listed in the "Departments and Programs" section below.)	18-24
3.	Business Electives (sufficient electives to meet 60 credit hour minimum in Business)	0 -6
	Minimum Business Credits	60-66

ELECTIVES IN BUSINESS OR NON-BUSINESS

Sufficient elective courses to reach a minimum of 120 hours (ranges from 0-6 credit hours if above requirements are met)

Minimum total hours 120

Student Advising and Records

The Academic Advising Center (located in Davis Hall, DAV 134) provides the following services for College of Business students:

1. Processing of student admission applications for the College of Business.
2. Academic advising and program information.
3. Orientation for undergraduate pre-business students.
4. Evaluation of undergraduate transcripts of transfer students.
5. Maintenance of academic advising records for all admitted students.
6. Certification of graduation.

Advising Office

St. Petersburg Campus: DAV 134, (727) 873-4511

Office Hours

St. Petersburg Campus: 8am-6pm Monday-Thursday. 8am-5pm on Fridays. Students are seen by appointment.

While the University provides advising services to assist students with academic planning, **the responsibility for ensuring that all graduation requirements are met ultimately rests solely with the student.**

Academic Dismissal

Students who have been dismissed twice from the University for academic reasons will not be readmitted to the College of Business.

DEPARTMENTS AND PROGRAMS

• GENERAL BUSINESS (GBA)

The General Business major provides students with substantial preparation in two functional areas of business and prepares them for positions in a business world that is increasingly interdisciplinary and values cross-functional abilities.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hours program as listed in the General Requirement section, students must complete two minors from the following business disciplines: accounting, economics, finance, management, management information systems, or marketing. A minimum of 24 hours of upper-level course work must be earned with a GPA of at least 2.0 in each minor. The requirements for each minor are listed with the description of the major.* Minors applied to the General Business major will be referred to as concentrations. Concentrations used as part of the General Business Major will not also be subsequently listed as independent minors on the transcript.

***One exception:** A minor/concentration in economics must consist of four upper level economics courses, excluding QMB 3200.

Requirements for a Minor in Business Administration (Non-Business Majors Only): Students are required to process an application for the minor in the College of Business.

1. The course requirements are as follows:

ACG 2021	Principles of Financial Accounting	3
ACG 2071	Principles of Managerial Accounting	3
ECO 2013	Economics Principles: Macroeconomics	3
ECO 2023	Economics Principles: Microeconomics	3
CGS 2100	Computers in Business	3
FIN 3403	Principles of Finance	3
MAN 3025	Principles of Management	3
MAR 3023	Basic Marketing	3
GEB 4890	Strategic Mgmt/Decision Making	<u>3</u>
Total		27

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.

3. At least 12 credits in the minor must be earned at USF.

• ACCOUNTING (ACC)

The objective of the baccalaureate degree in Accounting is to develop responsible employees, licensed and other professionals, and leaders through accounting education and multidisciplinary learning, research, and service in a global environment. Graduating Accounting majors should demonstrate basic competencies in financial accounting and reporting, cost accounting, accounting information systems, taxation and auditing.

Students learn the knowledge and skills necessary to pursue careers in public accounting, auditing, taxation, corporate, government and non-profit organizations. The baccalaureate program also prepares students for continuing study in the USF St. Petersburg MBA Program or other venues designed to meet the Florida "5th year" education requirements necessary to sit for the CPA examination, as well as earn other professional certificates. For further information, please check the Program of Accountancy web site or contact any accounting faculty member.

Requirements for the B.A./B.S. Degree: In addition to the non-business and business foundation courses listed in the General Requirements section, students must complete a minimum of 24 hours of upper-level accounting courses, of which 18 credit hours must be taken in residence at USFSP. In addition to the State Mandated Common Prerequisites for admission to the College of Business (or equivalents) with a grade of C or higher, students must successfully complete (with a grade of C, 2.0 or better) ACG 3103 and ACG 3341 before enrolling in other upper level accounting courses. If the student repeats ACG 3103 and/or ACG 3341, only the first two attempts will be considered for continuation in the major. Those students who fail to meet the requirements to continue in this program will be counseled into other programs either in COB or other colleges as appropriate. A grade of "C" or higher (not C-) is required in the 24 hour major courses plus a 2.0 GPA in all major course work at USF and an overall 2.0 GPA including transfer work.

Required Accounting Courses:

ACG 3103	Intermediate Financial Accounting I	3
ACG 3113	Intermediate Financial Accounting II	3
ACG 3341	Cost Accounting and Control I	3
ACG 3401	Accounting Information Systems	3
ACG 4632	Auditing I	3
TAX 4001	Concepts of Federal Income Taxation	3

Electives (6 hours selected from):

ACG 4123	Intermediate Financial Accounting III	3
ACG 4351	Cost Accounting and Control II	3
ACG 4642	Auditing II	3
ACG 4931	Selected Topics	3
ACG 5201	Advanced Financial Accounting	3
ACG 5501	Governmental/Not-for-Profit Accounting	3
ACG 5675	Internal and Operational Auditing	3
TAX 5015	Federal Taxation of Business Entities	<u>3</u>
Total		24

The student's program must also include course work taken in behavioral sciences and humanities, such as psychology, anthropology, and sociology, and the political environment of business and society, such as political science, public administration, and ethics. College of Business advisors will recommend courses that will satisfy the program requirements.

Accounting majors can use the forgiveness policy only once in upper-level accounting courses. Accounting courses taken by accounting majors on an S/U basis will not be counted toward the 120-hour graduation requirement. Independent Research, ACG 4911, will not be accepted as credit toward the minimum degree requirements in the accounting concentration.

Requirements for a Minor in Accounting (for Business Majors Only): Students majoring in Business Administration may minor in Accounting. The requirements are:

- | | | |
|-------------|-------------------------------------|---|
| 1. ACG 3103 | Intermediate Financial Accounting I | 3 |
| ACG 3341 | Cost Accounting and Control I | 3 |
| ACG 3401 | Accounting Information Systems | 3 |
| TAX 4001 | Concepts of Federal Income Taxation | 3 |
- A grade of "C" (not C-) or better must be earned in each of the four upper-level accounting courses taken. All attempts will be included unless grade forgiveness has been used. Only one grade forgiveness may be used in the minor.
 - All 12 credit hours must be taken in residence at USFSP.

• ECONOMICS (ECN)

Wants are unlimited while resources are not. Individuals and firms in a variety of circumstances across the world face versions of this basic dilemma. The study of Economics provides a clear and logical perspective for analyzing and understanding these perplexing situations. The coursework is a mixture of basic economic theory and applications of that theory to problems encountered by households, by businesses, and by societies across the globe.

The general applicability of Economics is one reason why it is a popular major. Students also frequently choose Economics as a minor; its logic and applications combine well with topics in other disciplines. Economics training enhances logical reasoning and analytical skills, skills that are useful in a wide variety of occupational fields in business and government. A degree in Economics is also excellent preparation for further study, especially in law or business. See an Economics faculty member or a campus advisor for more information.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program as listed in the General Requirements section, students must complete a minimum of 21 hours of upper-level economics beyond the foundation courses for business.

Required Economics Courses:

ECO 3101	Intermediate Price Theory or	
ECP 3703	Managerial Economics	3
ECO 3203	Intermediate Macroeconomics	3
	15 hours of upper-level economics courses	
	(may include FIN 3233)	<u>15</u>
Total		21

Students must obtain a grade of "C-" or higher in ECO 3101 Intermediate Price Theory or ECO 3703 Managerial Economics to enroll in any course for which ECO 3101 or ECP 3703 is a prerequisite. Students cannot take both ECO 3101 and ECP 3703 for credit. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USFSP. A grade point average of 2.0 or higher must be achieved in all major course work at USF and an overall 2.0 GPA including transfer work.

Requirements for a Minor in Economics: All students can earn a minor in Economics by satisfactorily completing 18 hours in Economics. The requirements are:

1. ECO 2013	Economic Principles: Macroeconomics	3
ECO 2023	Economic Principles: Microeconomics	3
	Upper-level economics electives	
	(may include QMB 3200 and FIN 3233)	<u>12</u>
Total Economics Hours		18

Business majors can obtain a minor with 9 additional upper-level hours in economics beyond the foundation requirements for business.

2. Before being recognized as a minor in economics, a student must obtain program approval by the academic advisor in DAV 134.
3. A grade point average of 2.0 or higher must be achieved in minor course work at USF and in all minor courses completed at other institutions. ECO 4905 and ECO 4914 may not be counted toward the minor.
4. At least 9 hours must be taken in residence at USF.

• FINANCE (FIN)

The Finance major provides a broad-based, analytical program for students anticipating a career in the management of both large and small organizations. Finance provides a good background for students seeking general careers in business. Finance majors can elect to take courses in the following areas that prepare them for entry and advanced careers in

- financial management of corporations
- management of financial institutions
- investments
- financial services, insurance, and real estate.

In addition, the program in Finance is designed to provide the skills required by students earning degrees in other business disciplines and by students who seek professional degrees in areas such as law and public administration.

The Finance program offers applied and theoretical courses that enable the graduate to identify and solve problems in the acquisition and allocation of funds by organizations in the public and private sectors in domestic and international settings. It provides the background necessary for managing wealth in a risky environment. Finance relies on an interdisciplinary approach that draws on economic theory, accounting, information systems, and the quantitative decision frameworks of statistics and mathematics.

The major is designed to ensure that graduates are familiar with the tools of financial decision-making and that they possess the skills to stay abreast of the developments in the field. Finance graduates will understand the functions and operations of financial markets, become familiar with computer applications in finance, and know how to access and utilize financial information. Course content is designed to provide majors with an appreciation of cooperative work skills and to enhance their verbal and written communication skills.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program listed in the General Requirements section, students must complete a minimum of 18 hours of upper-level finance courses beyond FIN 3403. At least 12 hours must be taken in residence at USFSP. A grade point average of 2.0 or higher must be achieved in all major course work at USF and an overall 2.0 gpa including transfer work.

Required Finance Courses:

FIN 4303	Financial Institutions and Markets	3
FIN 4414	Advanced Corporation Finance	3
FIN 4504	Principles of Investments	3
Additional upper-level Finance electives		<u>9-15</u>
Total		18-24

Finance electives can be selected from among those 3000 and 4000 level classes that have FIN, REE, and RMI prefixes. At least two electives must have an FIN prefix. Independent Study (FIN 4905) and Independent Research (FIN 4915) will not be accepted as credit toward the minimum degree requirements for a major in Finance. The courses listed below are suggested electives that are relevant for students who might want to pursue careers in the following areas:

Corporate Financial Management

- FIN 3604 International Finance
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies
- FIN 4461 Financial Statements Analysis

Management of Financial Institutions

- FIN 3233 Money and Banking
- FIN 3604 International Finance
- FIN 4324 Bank Management
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies
- FIN 4461 Financial Statement Analysis

Investments

- FIN 3604 International Finance
- FIN 4461 Financial Statement Analysis

FIN 4514	Advanced Investment Analysis & Management
FIN 4934	Financial Options & Futures
REE 4303	Real Estate Investment Analysis
Financial Services	
FIN 3604	International Finance
FIN 4514	Advanced Investment Analysis & Management
REE 3043	Real Estate Decision-Making
REE 4303	Real Estate Investment Analysis
RMI 3011	Principles of Insurance

Requirements for a Minor in Finance (for Business Majors only): Students majoring in Business can minor in Finance. The requirements are

- | | | |
|---|------------------------------------|----------|
| 1. FIN 4504 | Principles of Investments | 3 |
| FIN 4303 | Financial Institutions and Markets | 3 |
| FIN 4414 | Advanced Corporation Finance | 3 |
| Another upper-level Finance Elective with an
FIN, REE, or RMI prefix | | <u>3</u> |
| Total Finance Hours | | 12 |
- A grade point average of 2.0 or better must be achieved in the minor course work at USFSP and in all minor courses completed at other institutions.
 - At least 9 of the required 12 credit hours must be taken in residence at USFSP.

• INFORMATION SYSTEMS AND DECISION SCIENCES (ISM)

Information Systems (IS)

Success in today's fast paced business environment requires a solid understanding of information systems and the ability to use information technology to solve business problems. The Information Systems major provides students with an in-depth understanding of the many business applications of information and communication technologies, preparing them for careers in:

- programming
- business analysis
- systems development
- database or network administration
- systems support
- website development

Unlike many information technology programs, which are designed to develop only technical skills, the IS major focuses on the intersection of business and technology, developing graduates who are well-versed in the language of business, have strong communication skills, and know how to select, develop, implement, and manage new and emerging information technologies. Additionally, the IS major provides students seeking more general business careers with a set of highly marketable skills they can apply in any facet of business.

Core courses in the IS degree program are designed to develop students' information technology skills as well as their understanding of how technology is used to support managerial decision making and transform business operations. A variety of electives enable students to choose an area of specialization, learn about global information systems, or further develop their technical skills.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program listed in the General Requirements section, students must complete a set of 5 required ISM courses and 3 approved ISM electives. ISM majors must earn a "C" or higher (not C-) in the five required ISM courses and must have a 2.0 or higher GPA in the major; they can use grade forgiveness for only one upper-level ISM course. At least 15 hours must be taken in residence at USFSP. A grade point average of 2.0 or higher must be achieved in all major course work at USF and an overall 2.0 GPA including transfer work.

Required ISM Courses:

ISM 3232	Business Application Development*	3
ISM 3113	Systems Analysis and Design*	3
ISM 4212	Database Administration	3
ISM 4220	Business Data Communications	3
ISM 4300	Managing Information Resources	3

Plus Approved ISM Electives**	<u>9</u>
Total Hours Required for B.A./B.S. Degree	24

*ISM 3232 (Business Application Development) must be taken before, or concurrently with, ISM 3113 (Systems Analysis and Design), which is a prerequisite for all other required ISM courses.

**No more than three hours of ISM 4950 can be counted as ISM electives. (ISM 4905 will not count as an ISM elective.)

Requirements for a Minor in ISM (for Business majors only): Students majoring in Business may minor in ISM. The requirements are:

- | | |
|---|----------|
| 1. ISM 3113 Systems Analysis and Design | 3 |
| ISM 4212 Database Administration | 3 |
| Approved ISM Elective | <u>6</u> |
| Total ISM hours | 12 |
- A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.
 - At least 9 hours of the required 12 credit hours must be taken in residence at USFSP.

• MANAGEMENT AND ORGANIZATION (MAN)

The purpose of the Management bachelor's degree program is to educate students in the fundamental skills, knowledge, and practice of the management of people and organizations and provide business professionals with important skills and knowledge needed to advance in the workplace.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program listed in the General Requirements section, students must complete 18 hours of management beyond MAN 3025. At least 12 hours must be taken in residence at USFSP. A grade point average of 2.0 or higher must be achieved in all major course work at USF and an overall 2.0 GPA including transfer work.

Required Management Courses:

MAN 3240 Organizational Behavior Analysis	3
MAN 3301 Human Resource Management	3
MAN 4600 International Management	3
Additional upper-level management courses	<u>9-15</u>
Total	18-24

Requirements for a Minor in Management (for Business Majors Only): Students majoring in Business Administration may minor in Management.

The requirements are:

- | | |
|--|----------|
| 1. MAN 3240 Organizational Analysis | 3 |
| MAN 3301 Human Resource Management | 3 |
| MAN 4600 International Management | 3 |
| Additional upper-level management course | <u>3</u> |
| Total Management hours | 12 |
- A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.
 - At least 9 hours of the required 12 credit hours must be taken in residence at USFSP.

• MARKETING (MKT)

Marketing is a dynamic field with many dimensions, including product selection and planning, product distribution, pricing and promotion. Marketing poses many challenges and yields generous rewards for those who meet these challenges. Marketing operations are carried out domestically and internationally in virtually all business organizations that offer a product or service. Many marketing concepts are applicable to the operations of non-profit organizations such as governmental, educational, and health care institutions, as well as charitable and political campaigns.

Marketing operations provide the most visible links between the firm or institution and its many publics. Marketing deals with people who are constantly changing in their needs, wants, and desires; and coupled with these changing tastes is a fiercely competitive environment sustained by all the resources of a rapidly evolving technology. These forces lead too much of the challenge and too much of the dynamic nature of marketing.

The Marketing program at USF St. Petersburg prepares students for initial entry and management positions in many areas of marketing with a curriculum that is concerned with:

- Understanding how to attract and retain customers;
- Having the ability to find and analyze information;
- Being able to design, collect, and analyze marketing information to be used in managerial decision making;
- Using electronic and traditional media to create satisfied loyal customers;
- Having personal communication skills that businesses demand;
- Being capable of writing a winning marketing plan;

7. Understanding and being able to apply the latest marketing concepts, including marketing automation.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program listed in the General Requirements section, students must complete a minimum of 18 hours in marketing beyond MAR 3023. At least 12 hours must be taken in residence at USFSP. A grade of "C" or higher (not C-) is required in all Marketing Classes plus a 2.0 GPA in all major course work at USFSP and an overall 2.0 GPA including transfer work.

Required Marketing Courses:

MAR 3823 Marketing Management	3
MAR 3613 Marketing Research	3
MAR 3400 Professional Selling	3
MAR 4333 Electronic/Promotion Management	3
MAR 4824 Marketing Management Problems	3
Additional upper-level marketing courses	<u>3-9</u>
Total	18-24

It is strongly recommended that marketing majors take an internship course as part of their plan of study. It is also recommended that courses in information technology, finance, management, and international business be included in the business electives.

Undergraduate students in the College of Business not majoring in Marketing can greatly enhance their attractiveness to employers by taking a minor in Marketing or taking selected courses from the Marketing curriculum to broaden their backgrounds. Marketing is particularly complementary for College of Business students majoring in Information Systems, Finance, and Management. For non-business majors, Marketing is very complementary with degrees such as communications, liberal arts, and engineering.

Requirements for a Minor in Marketing (for Business Majors Only): The requirements are:

1. MAR 3823 Marketing Management 3
Any 3 upper level Marketing courses with a
MAR prefix (excluding MAR 4824) 9
Total Marketing Hours 12
2. A grade of "C" or higher (not C-) is required in all Marketing minor coursework.
3. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.
4. At least 9 hours of the required 12 credit hours must be taken in residence at USFSP.

• INTERNATIONAL BUSINESS (ITB)

Minor in International Business

Students Majoring in Business Administration

To qualify for the minor in International Business, students with a major in one of the degree programs in Business Administration must successfully complete a minimum of 12 hours of international business selected from a set of approved upper-level international business courses (see below). A minimum of 9 semester hours of the minor course work must be taken at USFSP. A grade point average of 2.0 or higher must be achieved in minor course work taken at USF, as well as in any transfer work applicable to the minor. Competency to effectively communicate in a foreign language is strongly advised.

Non-Business Administration Majors

To qualify for the International Business minor, non-business majors must complete the requirements for the minor in Business Administration (see previous Requirements for a Minor in Business Administration) and complete at USFSP a minimum of 9 semester credit hours selected from a set of approved upper-level international business courses (see below). A grade point average of 2.0 or better must be achieved in the minor course work taken at USF, as well as in any transfer work applicable to the minor program. Competency to communicate in a foreign language is strongly advised.

A statement attesting to the completion of the Minor in International Business will appear on the student's official transcript.

Courses Approved for International Business

The following courses are currently approved for the International Business minor:

ECO 3703	International Economics
ECO 4713	International Macroeconomics
ECO 4723	International Trade and Policy
ECO 4430	Economics of Latin America
ECS 3013	Economic Development

ECS 4003	Comparative Economic Systems
FIN 3604	International Finance
ISM 4382	Global Information Systems
MAN 4600	International Management
MAR 4156	International Marketing

Other courses will be added as they are developed and approved. In addition, the College frequently offers *Selected Topics* courses that qualify for International Business. Students should consult with an advisor for additional approved courses.

Student Organizations within the College of Business

All students are encouraged to participate in extracurricular activities. The following organizations provide a means for students to develop both professionally and socially while attending the College of Business.

Beta Alpha Psi – This international accounting honor society recognizes excellence and complements members' formal education by providing interaction and networking among students, faculty, and professionals, while fostering lifelong growth, service and ethical conduct.

Beta Gamma Sigma is a business honor society that recognizes the most academically outstanding business students from institutions accredited by AACSB International. It was founded in 1913 and the membership roster now includes business personnel, executives, directors, CEO's, CFO's and presidents from some of the world's largest companies

The **STUDENT BUSINESS ORGANIZATION** is a student organization for students to learn more about the various business professions. Members are provided with valuable skills not taught in the classroom along with opportunities to network between themselves, the University, and the local and regional business communities.

BUSINESS FACULTY

Program of Accountancy

Professors: J. A. Fellows, G. H. Lander; *Associate Professor:* G. Kearns; *Assistant Professor:* K. Barker;
Instructors: S. Danese, J. Jewell; *Director of POA:* D. Walker

Economics

Professors: T. Carter; *Assistant Professor:* R. Smith, *Instructors:* A. Criss, J. Gum, R.L. Moss

Finance

Associate Professors: G. Patterson, T. Shank; *W. Guan;* *Instructor:* M. Schmidt

Information Systems & Decision Sciences

Associate Professors: A. Watkins; *Assistant Professors:* C. Davis

Management

Professor: G. Franklin; *Associate Professor:* J. Gaines, S. Geiger, D. Marlin;
Assistant Professors: S. Segrest

Marketing

Associate Professors: K. Braunsberger; T. Ainscough, M. Luckett, P. Trocchia

COLLEGE OF EDUCATION

The USF St. Petersburg College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). All Teacher education programs must meet the requirements of Chapter 6A-5, Rules of the State Board of Education of Florida, and have "Approved Program" status.

The USF St. Petersburg College of Education offers undergraduate degree programs recognized for accomplishing defined learning outcomes, supported by a foundation of applied research, and committed to meeting the needs of the community and the students it serves. In pursuit of this mission, faculty in the College of Education are guided by a respect for evidence, creating and extending knowledge by supporting research, and by the pursuit of scholarship. The College of Education seeks to prepare exemplary teachers and other educational personnel for roles in a diverse and changing society. It promotes life long learning, is committed to stewardship that reflects the ethics of community responsibility, and continually strives to meet the educational needs of all learners.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Each subdivision of the college maintains professional standards through ongoing appraisals of candidate learning outcomes.

For information concerning required courses in each major, students should consult the following "Programs" section accessible from the USF St. Petersburg site. Other important information is available from the College of Education website at <http://www.stpt.usf.edu/coe.index.htm>.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

Admission Requirements for Students Entering Teacher Education Programs

Students who wish to teach in a particular subject area or field should begin preliminary coursework during their first year in college. However, students are not admitted to the College of Education (and into a teacher education program) until they finish the university's liberal arts freshman and sophomore requirements and the state-mandated common prerequisites for education.

Students may apply for entrance into one of the upper-level teacher education programs offered by the College of Education after completing prerequisite courses. All students who plan to teach apply for admission to a teacher education program by contacting the Coordinator of Academic Advising for the College of Education in DAV 134.

Admission to an upper-level teacher education program is contingent upon meeting the following preliminary college requirements:

1. Completion of a College of Education application form.
2. Completion of the University's General Education requirements. (See "Liberal Arts Requirements" section of the catalog.) **Note:** Students should contact an academic advisor to make certain they are enrolled in courses appropriate to their intended major.
3. Completion of all portions of the CLAST, PRAXIS I, or General Knowledge Test with passing scores. No exemptions or waivers accepted.
4. Although no longer required for admission to the College of Education, students are still encouraged to take the ACT or SAT. Many existing scholarships still require these scores.
5. Completion of State Mandated Common Prerequisites **Note:** The following prerequisites are required for all education majors. Students should consult their intended majors (listed under "Departments and Programs," below) for a list of other specific course prerequisites and requirements beyond these listed below:
 - EDF X005 Introduction to Education (3)
 - EDG X701* Teaching Diverse Populations (3)
 - EME X040 Introduction to Educational Technology (3)

*In addition to EDG X701, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree.

Completion of General Education requirements: General education courses will be determined by the community college or university where the student currently is earning the Associate in Arts or baccalaureate degree, and will be published in the institution's existing catalog or in the Community College Counseling Manual. (For USF, see "Academic Policies and Procedures - Liberal Arts Requirements" section of the catalog.)

USF International/Diversity Courses Credits

AFA 2000 Introduction to the Black Experience
in Africa and Its Diaspora

AFS 2250	Culture and Society in Africa	3
AMH 2010	American History I	3
AMH 2020	American History II	3
AMS 2030	Introduction to American Studies	3
ANT 2000	Introduction to Anthropology	3
ANT 2410	Cultural Anthropology	3
ARH 2050	History of Visual Arts I	3
ARH 2051	History of Visual Arts II	3
BSC 2025	Food: Personal and Global Perspectives	3
COM 2000	Introduction to Communication	3
EGN 2031	History of Technology	3
EUH 2011	Ancient History I	3
EUH 2021	Medieval History I	3
EUH 2022	Medieval History II	3
EUH 2030	Modern European History I	3
EUH 2031	Modern European History II	3
FIL 2001	Film: Language of Vision	4
GEO 1930	Geography of Current Events	4
GEO 2371	Introduction to Earth Systems Science	3
INR 1015	World Perspective	3
LAH 2734	Latin American History in Film	3
LIT 2010	Introduction to Fiction	3
LIT 2040	Introduction to Drama	3
MUL 2011	The Enjoyment of Music	3
MUH 2051	Folk and Traditional Music of World Cultures	3
MUH 2632	Music in the United States	3
MUL 2111	Introduction to Music Literature	3
POS 2080	The American Political Tradition	3
REL 2300	Introduction to World Religions	4
REL 2306	Contemporary World Religions	4
REL 3501	History of Christianity	4
SPT 2524	Women Writers of Latin America	3
SYG 2000	Introduction to Sociology	3

6. Minimum GPA: An overall minimum GPA of 2.50 on all attempted hours.
7. Additional criteria as may be established by each program. Credit requirements in each major include courses in the following categories: Professional Education Core, Teaching Specialization Preparation, and Liberal Arts Exit Requirements. For questions concerning General Education and Liberal Arts Exit Requirements, refer to the Liberal Arts Requirements section of the catalog. See specific requirements for each major listed in "Departments and Programs" below.

Education Advising

The Academic Advising Center is responsible for many of the processes and procedures that support the academic pursuits of students in the College. The Center is committed to serving the University community.

Students are ultimately responsible for knowing and fulfilling all university, college, and degree program requirements for graduation. Students are encouraged to make an appointment with an academic advisor each semester. For additional contact information, please call our office at (727) 873-4511. The office is located in Davis Hall Room 134 and our hours are 8 a.m. – 6 p.m. Monday through Thursday and 8 a.m. – 5 p.m. on Friday

Application Information:

(Only admitted USF St. Petersburg students are eligible.) The admission process to the College of Education (C.O.E.) is separate and in addition to admission to USFSP. After receiving acceptance to USF St. Petersburg, students should attend a new student advising session where they can complete the College of Education application, receive information about degree programs and register for courses for their first semester. Call (727) 873-4511 to schedule an advising session.

Time Limitations

The College of Education may accept professional education and specialization coursework completed at this University or at other accredited institutions as follows:

1. Courses completed within the last five years may be accepted.

2. Courses completed over five years but less than ten years ago must have the approval of the faculty of the program in which the equivalent course is taught.
3. Courses completed ten years ago or longer will count as elective credit only.

Qualifications for Internship Experience

The final internship experience involves observing and teaching in an elementary, secondary, or exceptional education classroom. In most programs internship sites include the entire spectrum of sites available in the various counties served by USF. Other than Senior Seminar, students may not enroll in additional courses during the semester in which the final internship occurs unless an exemption is granted through a College of Education petition.

Special requirements for enrollment in the final internship and seminar courses are:

1. Admission to the College of Education.
2. Completion of General Education, "Gordon Rule," and all other program prerequisites (includes passing all sections of the General Knowledge Test) prior to final internship.
3. Documentation of passing scores on all portions of the Florida Teacher Certification Examinations (General Knowledge Test, Subject Area Exam and Professional Education).
4. Completion of an application for the final internship by the deadlines noted. Applications for final internship are made through the College of Education website (www.stpt.usf.edu/coe/). Applications for Fall Semester are due the preceding January 15. Applications for Spring Semester are due the preceding June 15.
5. The Elementary program requires completion of all professional education and specialization course work. The Exceptional Student Education program requires completion of all professional education and specialization coursework.
6. The Elementary program requires a combined grade point average of 2.5 in professional education and specialization coursework as well as an overall USF GPA of 2.5. The Exceptional Student Education program requires an overall USF GPA of 2.5.
7. Students must earn a "C-" grade or higher in their required major courses. S/U grades will not apply toward qualifying for internship.
8. Students must receive evaluations at the Fulfilled Level for at least six of the FEAPs.
9. Students must complete all other requirements as prescribed by their individual programs.

College Requirements for Graduation from Teacher Education Programs

1. To be certified by the College of Education for graduation, a student must have earned a minimum of 120-semester hours credit.
2. Successful completion of all program requirements for ESOL endorsement.
3. A minimum overall USF grade-point average of 2.50 or a minimum GPA of 2.50 in teaching specialization courses and a minimum GPA of 2.50 in the Professional Education sequence is required. The Elementary program requires a combined grade point average of 2.50 in professional education and specialization as well as an overall USF GPA of 2.50.
4. Satisfactory completion of the internship is also required. Must pass the General Knowledge Test prior to final internship.
5. Passing scores on the appropriate FTCE Subject Area and Professional Education subtests prior to final internship.
6. Completed the major requirements in a state-approved teacher education program (which includes general preparation, teaching specialization, and professional preparation).
7. A minimum of 8 credits in professional courses in addition to internship and 12 credits in specialization courses must have been earned at USF.
8. A minimum of 30 hours after admittance to an upper-level program and meet all University requirements.
9. Successful completion at the Fulfilled Level of all 12 of the Florida Educator Accomplished Practices in the Collaborative Digital Network (CDN).

Note: Normally, the college will recommend the granting of a Bachelor of Science (BS) degree which includes a minimum of 6 credit hours of exit courses. To obtain a Bachelor of Arts (BA) degree, the student must meet the Foreign Language Competency (see graduation requirements in front of catalog) and complete 9 hours of exit courses, 3 of which must be in Literature and Writing and 3 of which must be offered outside the College of Education.

BACCALAUREATE-LEVEL DEGREE PROGRAMS

The College of Education offers majors affiliated with six programs. Each of the majors leads to the Bachelor of Science degree* in the following fields:

Major	Program	Code
Elementary Education	Childhood Education	(BEE)
Varying Exceptionalities	Special Education	(BEX)

*A Bachelor of Arts degree may be awarded when competency in a foreign language is demonstrated and a student has met the nine hour Liberal Arts Exit requirements.

Programs

The College of Education is organized into two undergraduate degree majors representing five programs: Childhood Education, Special Education, Measurement and Evaluation, and Social and Psychological Foundations. Each major, with its affiliated undergraduate program, is listed alphabetically in the following section.

• ELEMENTARY EDUCATION with ESOL Endorsement

Elementary Education has the responsibility for the development and supervision of programs leading to the Bachelor of Science Degree in Elementary Education.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

Elementary majors will be assigned to a specified sequence of courses to be followed throughout the program enrollment. Coursework will include internship and field experience. Students who withdraw from or who have unsatisfactory grades in the field experiences or internships must petition the college before they will be allowed to repeat the internships.

Students must have an overall USF GPA of 2.5 and a GPA of 2.5 in the combined Professional Core and Teaching Specialization prior to final internship and graduation.

Part-time students in Elementary Education (those planning to take 9 hours or less per semester) must meet program and internship requirements associated with the programs. These requirements include being available to participate in the internships during regular school hours.

Students may complete the state-approved program to be eligible for certification in Elementary Education (Grades Kindergarten – 6). Degree and certification requirements are subject to change. The current program of studies includes both coursework and extensive field experience in elementary school settings to enable students to integrate theory with teaching practice.

The College of Education offers a full ESOL Endorsement for all Elementary Education major graduates. The special requirements for ESOL endorsement through infusion are as follows: Successful completion of (1) the three designated ESOL courses, with a minimum grade of 70% or better on all three sections of the ESOL Comprehensive Exam administered in the three ESOL courses; (2) a 20-hour early ESOL field experience in the first ESOL course; (3) a late 60 hour ESOL field experience where students plan, implement, and evaluate lessons for one or more ESOL students over a series of weeks; and (4) an ESOL portfolio, containing all assignments and test results from the three ESOL courses, and all ESOL performance check-off sheets from other ESOL-infused courses that a student has taken.

Because of state and national accreditation requirements, students who take any of the required professional education core courses or education specialization courses at a separately accredited institution may be required to submit additional assignments to meet graduation requirements for the USF St. Petersburg College of Education.

Requirements for the B.S. Degree (BEE): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of "C-" is the minimum acceptable grade.

- EDF X005 Introduction to Education (3)
- EDG X701* Teaching Diverse Populations (3)
- EME X040 Introduction to Educational Technology (3)

*In addition to EDG X701, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.

Completion of General Education requirements: General education courses will be determined by the community college or university where the student currently is earning the Associate in Arts or baccalaureate degree, and will be published in the institution's existing catalog or in the Community College Counseling Manual. (For USF, see "Academic Policies and Procedures - Liberal Arts Requirements" section of the catalog.)

Students are advised that the Elementary Education specialization will require an enrollment of more than the traditional four semesters of the junior and senior years in order to complete the program specialization courses and the required sequence of internship.

The order in which these courses are to be taken is designated in the program of study.

Professional Education Core (30-32 credit hours):

EDF 3122	Learning and the Developing Child	3
EDF 3604	Social Foundations of Education (Exit)	3
EDF 4430	Measurement for Teachers	3
EEX 4070	Integrating Exceptional Students in the Regular Classroom	3
FLE 4316	Language Principles and Acquisition	3
EDG 4909	ESOL Practicum	1
FLE 4317	Teaching Students with Limited English Proficiency	3
EDG 4012	Standards-Based Education	1
EDE 4940	Internship	10-12

Specialization (41 credit hours):

EDE 4223	Creative Experiences for the Child	3
EDE 4301	Classroom Management, School Safety, Ethics, Law, and Elementary Methods	3
EDE 4941	Childhood Education Internship Level I	3
HLP 4722	Health and Physical Education for the Child	2
EDE 4942	Childhood Education Internship Level II	6
LAE 4314	Teaching Writing in the Elementary School	3
LAE 4414	Teaching Literature in the Elementary Schools	3
MAE 4310	Teaching Elementary School Mathematics I	3
MAE 4326	Teaching Elementary School Mathematics II	3
RED 4310	Reading and Learning to Read	3
RED 4511	Linking Literacy Assessment to Instruction	3
SCE 4310	Teaching Elementary School Science	3
SSE 4313	Teaching Elementary School Social Studies	3

• VARYING EXCEPTIONALITIES with ESOL Endorsement

Varying Exceptionalities prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a state-approved program that leads to certification in Exceptional Student Education (ESE).

Students are required to meet University and College of Education entrance requirements prior to enrollment in the Department. Upon admission, students affiliate with the campus on which they wish to take their program of studies. Field experiences begin during the first semester of student's enrollment with increasing involvement throughout the program. Students are responsible for providing transportation to their experience sites.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

The College of Education offers a full ESOL Endorsement for all Special Education major graduates. The special requirements for ESOL endorsement through infusion are as follows: Successful completion of (1) FLE 4317 and FLE 4316 with a minimum grade of 70% or better on part one and part two of the ESOL

Comprehensive Exam administered in the two ESOL courses; (2) a 20-hour early ESOL field experience in FLE 4317; (3) a late ESOL field experience where students plan, implement, and evaluate lessons for one or more ESOL students over a 10 days; and (4) an ESOL binder, containing all ESOL-related assignments taken in the College of Education and an ESOL-performance Standards Checklist that documents the completion of the necessary number of standards.

Because of state and national accreditation requirements, students who take any of the required professional education core courses or education specialization courses at a separately accredited institution may be required to submit additional assignments to meet graduation requirements for the USF St. Petersburg College of Education.

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of "C-" is the minimum acceptable grade.

- EDF X005 Introduction to Education (3)
- EDG X701* Teaching Diverse Populations (3)
- EME X040 Introduction to Educational Technology (3)

*In addition to EDG X701, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.

Completion of General Education requirements: General education courses will be determined by the community college or university where the student currently is earning the Associate in Arts or baccalaureate degree, and will be published in the institution's existing catalog or in the Community College Counseling Manual. (For USF, see "Academic Policies and Procedures - Liberal Arts Requirements" section of the catalog.)

Professional Education Core (33-34 credit hours):

The required courses in the professional education core are as follows:

EEX 4941	Practica in ESE (II and III)	6
EDF 3122	Learning and the Developing Child	3
EDF 3604	Social Foundations of Education (Exit)	3
EDF 4430	Measurement for Teachers	3
FLE 4316	Language Principles and Acquisition	3
FLE 4317	Teaching LEP Students K-12	3
EDG 4909	ESOL Practicum	1
EEX 4940	Internship: Exceptional Student Education	9-10
EEX 4936	Senior Seminar in Exceptional Student Education	1
EDG 4012	Standards-Based Education	1

Area of Specialization

Specialization Core (36 credit hours)

EEX 4011	Foundations of Special Education	3
EEX 4054	Perspectives on Learning and Behavioral Disorders	3
EEX 4221	Educational Assessment of Exceptional Students	3
EEX 4243	Education of the Exceptional Adolescent and Adult	3
EEX 4604	Behavior Management for Special Needs and at Risk Students	3
EEX 4742	Narrative Perspectives on Exceptionality: Cultural and Ethical Issues (Exit)	3
EEX 4846	Clinical Teaching in Special Education	3
EMR 4011	Mental Retardation and Developmental Disabilities	3
LAE 4314	Teaching Writing in Elem School	3
MAE 4310	Teaching Elementary School Mathematics I	3
RED 4310	Reading and Learn to Read	3
RED 4511	Linking Literature Assessment	3

Student Organizations and Activities

Student Education Association (SEA)

Purpose: to meet the educational needs and desires of students and to provide enrichment programs; to access resources outside the campus community.

Student Council for Exceptional Children

Purpose: to present students with opportunities to improve special education and professional standards; to provide a focal point for the professional preparation of future leaders in the education of exceptional individuals.

Kappa Delta Pi

Kappa Delta Pi is an international co-educational honor society in Education. The society was founded to recognize and encourage excellence in scholarship, high personal standards, improvement in teacher preparation, and distinction in achievement.

EDUCATION FACULTY

Elementary Education

Professor: V. Fueyo; *Associate Professors:* G. Gayle-Evans, M. Hewitt, C. Leung, M. Sampson; *Assistant Professor:* Z. Unal; *Instructors:* J. Fountain, G. Lightsey

Education Leadership

Associate Professors: Brianne Reck

Educational Measurement and Research

Professor: W. S. Lang.

Psychological and Social Foundations

Associate Professors: L. Johnson, D. Michael

Secondary Education

Associate Professors: K. Rasch, M. Butler; *Instructor:* J. Khattabi; *Lecturer:* A. Reeves.

Special Education

Professors: W. H. Heller, M. Koorland, T. Rose; *Associate Professor:* L. Dukes; K. Stoddard; *Lecturer:* B. Braun.

USF COURSE DESCRIPTION

ACG 2021 Principles of Financial Accounting (3) BA ACC

Study of basic accounting principles including the recording and reporting of financial activity. The preparation and interpretation of financial statements.

ACG 2071 Principles of Managerial Accounting (3) BA ACC

PR: ACG 2021 with a grade of "C-" or better. A study of the accountant's role in assisting management in the planning and controlling of business activities.

ACG 3074 Managerial Accounting for Non-Business Majors (3) BA ACC

Does not count towards major or CPA requirements. Not available for credit for Business majors. The study of the uses of accounting data internally by managers in planning and controlling the affairs of organizations.

ACG 3103 Intermediate Financial Accounting I (3) BA ACC

PR: ACG 2071 with a grade of "C" or better; ACG 2021 with a grade of "C" or better. Theory and methodology underlying financial reporting, including the FASB's conceptual framework, the accounting process, financial statements, accounting changes, present value applications, and current assets.

ACG 3113 Intermediate Financial Accounting II (3) BA ACC

PR: ACG 3103 and ACG 3341 with a grade of "C" or better (not C-). Continuation of ACG 3103. Topics covered include property, plant and equipment, intangibles, current liabilities, long-term debt, stockholders' equity, earnings per share computations, and investments.

ACG 3341 Cost Accounting and Control I (3) BA ACC

PR: ACG 2071 with a grade of "C" or better; ACG 2021 with a grade of "C" or better. Deals with cost accounting systems for different entities, cost behavior patterns, cost-volume-profit analysis, relevant information for decision making, and budgets and standard costs for planning and control.

ACG 3401 Accounting Information Systems (3) BA ACC

PR: ACG 3103 and ACG 3341 with a grade of "C" or better (not C-). This course provides students with a basic understanding of well-controlled information systems in a variety of technological environments with added emphasis on the collection, processing, and reporting of accounting information.

ACG 4123 Intermediate Financial Accounting III (3) BA ACC

PR: ACG 3113 with a grade of "C" or better (not C-). Theory and practice underlying revenue recognition, income tax allocation, leases, post-retirement benefits, error analysis, statement of cash flows, full disclosure, and other current accounting topics.

ACG 4351 Cost Accounting And Control II (3) BA ACC

PR: ACG 3103 and ACG 3341 with a grade of "C" or better (not C-). Application of the material covered in ACG 3341 with specific emphasis on cost allocations, performance measurements, analysis of current cost accounting systems and accounting in today's environment (giving consideration to the influences of the international environment).

ACG 4632 Auditing I (3) BA ACC

PR: ACG 3113 and ACG 3401. This course provides a sound conceptual foundation of basic auditing process from the perspective of the public accounting profession. Professional standards, ethics, legal responsibilities, and the utilization of technology are addressed.

ACG 4642 Auditing II (3) BA ACC

PR: ACG 4632 with a grade of "C" or better (not C-). Further development of material covered in ACG 4632, with special emphasis on additional reporting topics and audit techniques not previously addressed.

ACG 4901 Independent Study (1-3) BA ACC

PR: Consent of Director. S/U only. Specialized independent study determined by the students' needs and interests.

ACG 4911 Independent Research (1-4) BA ACC

PR: Consent of Director. Individual study contract with instructor and director required. The research project will be mutually determined by the student and instructor.

ACG 4931 Selected Topics In Accounting (1-4) BA ACC

The course content will depend on student demand and instructor's interest.

ACG 5205 Advanced Financial Accounting (3) BA ACC

PR: ACG 4123 Accounting for business combinations, preparation of consolidated financial statements, home office/branch relationships, foreign operations and transactions, partnerships.

ACG 5505 Governmental/Not-For-Profit Accounting (3) BA ACC

PR: ACG 4123. CR: ACG 4632. Application of financial and managerial accounting, and auditing, principles and theory to both governmental and not-for-profit entities.

ACG 5675 Internal and Operational Auditing (3) BA ACC

PR: ACG 3113 and ACG 3401. CR: ACG 4632. The objective of Internal and Operational Auditing is to provide students with an opportunity to learn about the theory and practice of internal and operational auditing and to apply relevant audit principles and techniques to selected audit problems.

ADE 4384 Working With the Adult Learner (3) ED EDV

An investigation of the needs of the adult learner. Identification of principles of adult learning; physiological, psychological, and social characteristics of adult learners, and corresponding implications are explored.

ADV 3008 Introduction to Advertising (3) AS COM

PR: MMC 2100 and MMC 3602. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic, and legal aspects.

ADV 3101 Advertising Creativity (3) AS COM

PR: ADV 3008 and ECO 1000. Study of copywriting and art direction in the creation of advertising messages for alternative media platforms. Restricted to majors only.

ADV 3103 Radio-Television Advertising (3) AS COM

PR: ADV 3008. An intensive study and analysis of radio and television for advertising purposes, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

ADV 3200 Advertising Design (3) AS COM

PR: ADV 3008 (for advertising sequence majors) or VIC 3001 (for other Mass Comm majors). Application of graphic design principles to various areas of advertising. Combining visual and verbal elements effectively.

ADV 3300 Advertising Media Strategy (3) AS COM

PR: ADV 3008 and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3500 Advertising Research (3) AS COM

PR: ADV 3008. Overview of scientific research methods as used in advertising. Emphasis on the acquisition, analysis, and evaluation of primary and secondary data, and the principles of survey and experimental research.

ADV 3700 Retail Advertising Planning and Execution (3) AS COM

PR: ADV 3008 and ADV 3101. A study of retail advertising, including management decisions, processes, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4204 Advanced Advertising Creativity (3) AS COM

PR: ADV 3101, ADV 3300, ADV 3500, ADV 4600, ECO 1000, MAR 3023. Focused on producing advertising messages, the curriculum integrates: ethics, branding, consumer insight, message strategy, concepting, persuasion, copywriting, design, and presentations. Students learn to execute effective advertising messages.

ADV 4301 Advanced Media Strategy (3) AS COM

PR: ADV 3101, ADV 3300, ADV 3500, ADV 4600, ECO 1000, MAR 3023. Emphasizing decision making and critical thinking, this advanced course prepares students for the complexities of advertising media planning, implementation, and evaluation.

ADV 4310 Digital Media (3) AS COM

PR: ADV 3101, ADV 3300, ADV 3500, ADV 4600, ECO 1000, MAR 3023. This course focuses on the impact of new communication technologies on consumer behavior and advertising practice. Students will learn the nature of digital media options and how to incorporate them into advertising planning.

ADV 4600 Advertising Management (3) AS COM

PR: ADV 3008, ADV 3101, ADV 3300. Application of analytical planning concepts to advertising planning and decision-making. Case study method used to explore advertising and promotional programs; media and creative strategies; consumer, retail, industrial, and public service applications.

ADV 4710 Portfolio Building (3) AS COM

PR: ADV 3101, ADV 3300, ADV 3500, ADV 4600, ECO 1000, MAR 3023. This course goes beyond the basics of copy and layout to develop a broader understanding of the creative advertising process. It stresses creativity and organizational ability in portfolio building, along with technical skills in portfolio production.

ADV 4800 Advertising Campaigns (3) AS COM

PR: ADV 3101, ADV 3300, ADV 3500, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules.

ADV 4940 Advertising Practicum (1) AS COM

PR: CI. For advertising sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] 6A AF (3) AS AFA

Fundamental perspectives on the nature and significance of the Black Experience in Africa and black communities in the Americas.

AFA 4150 Africa and the United States 6A SS HP AF (3) AS INT

An examination of the historical and current political, economic, and cultural relations between the United States and Africa.

AFA 4313 Black English MW (3) AS AFA

PR: Junior or Senior standing. This course focuses on linguistic patterns among African Americans in the U.S., South and Central America, and the Caribbean. It examines language in relation to issues of domination, social stratification, economics and political empowerment.

AFA 4331 Social Institutions and the African American Community (3) AS AFA

A study of social institutions as they relate to the African American community, with emphasis on social systems operating within and on the African American community.

AFA 4333 The African Diaspora: Blacks in the Construction of the Americas MW (3) AS AFA

PR: Junior or Senior standing. This course will examine the historical and geographical distribution of Africans in the diaspora and the political and economic roles they have played in the development of the Western world, with a focus on America. The course takes an interdisciplinary approach. The course is not restricted to majors and is not repeatable for credit.

AFA 4335 Black Women in America 6A MW (3) AS AFA

An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience.

AFA 4350 African American Community Research MW (3) AS AFA

This interactive, field experience course introduces students to active and applied research methodologies and the uses of this research in Black urban communities.

AFA 4500 Slavery in the Americas and the Caribbean MW (3) AS AFA

This course examines the institution of enslavement in North, South, and Central America, and the Caribbean. It takes an interdisciplinary approach in exploring the social, political, and economic underpinnings of slavery.

AFA 4502 Middle Passage MW AF HP (3) AS AFA

The Middle Passage focuses on the trafficking of African peoples from Africa to destinations in the Americas and Europe. Emphasis is placed on the capture, detention, and transport of Africans, and their response to the experience.

AFA 4900 Directed Readings (2-3) AS AFA

PR: Cl. Independent readings in a particular area of African and African American Studies, selected by student and instructor.

AFA 4931 Selected Topics in Africana Studies (3) AS AFA

Topics offered are selected to reflect student needs and faculty interests. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th century; Contemporary Economic Problems in Africa.

AFA 5935 Issues in Africana Studies (1-4) AS AFA

Variable topics course focusing on the history, culture, and lived experiences of Africans, African American, and/or other peoples of African descent worldwide. Rpt. Up to 12 hours as topics vary.

AFH 3100 African History to 1850 HP AF (3) AS HTY

An outline survey of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past.

AFH 3200 African History since 1850 HP AF (3) AS HTY

Survey of the Colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states, and post-independence problems of nation building and economic development.

AFR 1101 The Foundation of the United States Air Force Pt 1 (1) US AFR

Intro Air Force Reserve Officer Training Corps (AFROTC) & US Air Force (USAF) includes lessons in officership/professionalism and an intro to communication skills. AFR 2001 Lead Lab augments course providing followership and leadership experiences.

AFR 1120 The Foundations of the United States Air Force Pt 2 (1) US AFR

A study of Air Force installations, Core Values, Leadership, Team Building, and Diversity within Armed Forces. AFR 2001 Lead Lab augments course providing followership and leadership experiences, utilizing leadership and management principles.

AFR 1903 Directed Independent Studies (1-4) US AFR

PR: DPR Directed Independent Study.

AFR 2000 Enhanced Physical Fitness Training (0) US AFR

Required of all students in AFR 2000-, 3000-, and 4000-level classes. It meets twice per week for 1 and 1/2 hours. Concentrates on motivational physical fitness, healthy lifestyle and cadet esprit.

AFR 2001 Air Force ROTC Leadership Laboratory (0) US AFR

Leadership Laboratory is required for each of the Aerospace Studies courses. It meets one hour and 45 minutes per week. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies; drill and ceremonies; career opportunities in the Air Force; and the life and work of an Air Force junior officer. Students develop their leadership potential in a practical laboratory, which typically includes field trips to Air Force installations.

AFR 2130 The Evolution of USAF Aerospace Power Part I (1) US AFR

CR: AFR 2000, AFR 2001. A study of air power from balloons and dirigibles through the jet age. Emphasis is on the employment of air power in WWI and WWII and how it affected the evolution of air power concepts and doctrine.

AFR 2140 The Evolution of USAF Aerospace Power Part 2 (1) US AFR

CR: AFR 2000, AFR 2001. A historical review of air power employment in military and nonmilitary operations in support of national objectives. Emphasis is on the period from post WWII to present.

AFR 3220 Air Force Leadership and Management - I (3) US AFR

CR: AFR 2000, AFR 2001. An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer (officership). The basic managerial processes involving decision making, utilization of analytic aids in planning, organizing, and controlling in a changing environment are emphasized as necessary professional concepts.

AFR 3231 Air Force Leadership and Management - II (3) US AFR

CR: AFR 2000, AFR 2001. A continuation of the study of Air Force advancement and leadership. Concentration is on organizational and personal values, management of forces in change, organizational power, politics, and managerial strategy and tactics are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

AFR 4201 National Security Affairs & Preparation for Active Duty I (3) US AFR

CR: AFR 2000, AFR 2001. Examines natl sec proc, regional studies, adv leadership ethics, AF doctrine with concentration on military as profession, communication/officership/mil justice/civil control of mil/prep for actv duty, current issues affecting military professionalism.

AFR 4211 National Security Affairs & Preparation for Active Duty II (3) US AFR

CR: AFR 2000, AFR 2001. Cont study natl sec proc, reg studies, adv leader ethics, & AF doct. Spec topics incl reg stud Europe, Mid East, Russia (fmr Soviet Republics), perform feedback, efcv perf report writing, enl/off eval sys, ops risk mngmt to prep students for active duty.

AFS 2250 Culture and Society in Africa 6A AF (3) AS AFA

Topics include: African religion, value systems, art and the aesthetics, family and life-cycle, impact of Islam and Christianity and conflict of cultures.

AFS 3153 African Literature Survey 6A LW (3) AS AFA

PR: Junior or Senior standing. Explore the socio-historical, philosophical and political dynamics of African cultures through the study of African oral literature and the reading of African literary texts of various genres.

AFS 3251 Environmental - Cultural Study in Africa SS FA AF (3) AS AFA

PR: AFS 2250 or CI. Study tour. A study of traditional African society and culture, the relationship between life and the environment, and the impact of modernization on the culture and the environment.

AFS 4910 Individual Research (1-3) AS AFA

PR: CI, Department approval. 2000 level introductory course. Course consists of advanced undergraduate research on Africana Studies topic selected by student and professor. Topics vary. The course allows students to develop research skills and independent work discipline.

AMH 2010 American History I HP (3) AS HTY

A history of the United States with attention given to relevant developments in the Western Hemisphere from European origins to 1877.

AMH 2020 American History II HP (3) AS HTY

A history of the United States with attention given to relevant developments in the Western Hemisphere from 1877 to present.

AMH 3110 American Colonial History to 1750 (4) AS HTY

A study of the evolution of American society from the Age of Reconnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.

AMH 3130 The American Revolutionary Era (4) AS HTY

Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalism, violence, and slavery in American society from 1750-1789.

AMH 3140 The Age of Jefferson (4) AS HTY

A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and ethno-cultural conflicts.

AMH 3160 The Age of Jackson (4) AS HTY

The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activity in the antebellum era.

AMH 3170 The Civil War and Reconstruction (4) AS HTY

An examination of political, social, and economic climate of the 1850's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).

AMH 3201 The United States, 1877-1914 (4) AS HTY

A study of America from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations and imperialism.

AMH 3231 The United States, 1914-1945 (4) AS HTY

The United States from World War I to the end of World War II. Covering political, social and international developments, the course examines the lives of Americans, including minorities and women, during war, prosperity, and the Great Depression.

AMH 3270 The United States since 1945 (4) AS HTY

A study of America's role in the Cold War, in Vietnam, and in the post-Cold War era. Also examines domestic developments, such as the consumer culture, protest movements, and abuses of political power.

AMH 3403 The South since 1865 (4) AS HTY

Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, demagoguery and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3421 Early Florida (4) AS HTY

A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

AMH 3423 Modern Florida (4) AS HTY

An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

AMH 3500 American Labor History (4) AS HTY

A study of American workers from the colonial period to the present. Examines the changing nature of work, its effects on workers (including minorities and women), and their responses as expressed in strikes, unions, and political action.

AMH 3510 U.S. Diplomatic History to 1898 6A (4) AS HTY

The development of American Foreign Relations in the Agricultural era.

AMH 3511 U.S. Diplomatic History in the 20th Century (4) AS HTY

A history of American Foreign Relations in the Industrial era.

AMH 3530 Immigration History (4) AS HTY

A study of the composition and character of the "American" people with emphasis on the period from 1840s to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world's social, economic and political conditions.

AMH 3540 United States Military History (4) AS HTY

A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

AMH 3545 War and American Empire (4) AS HTY

The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and empire from the Revolution through Viet Nam.

AMH 3561 American Women I (4) AS HTY

A study of women in the evolution of American society from European origins to 1877. Women's roles in the family, economy, politics, wars, and reform movements will be examined.

AMH 3562 American Women II (4) AS HTY

A study of women in the evolution of American society from 1877 to the present. Women's roles in the family, economy, politics, immigration, wars, religion and reform movements will be examined.

AMH 3571 African American History to 1865 HP (3) AS AFA

A survey of African American history, with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War.

AMH 3572 African American History since 1865 HP (3) AS AFA

A survey of African American history, with an emphasis on North America, from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Rights Movement.

AMH 4601 Early American History and Archaeology (6) AS HTY

This course is a five week long summer practicum in early American historical archaeology. The class brings together historical research, material culture studies, and historical archaeology methods within a professional historical archaeology setting.

AML 3031 American Literature From the Beginnings to 1860 (3) AS ENG

A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.

AML 3032 American Literature From 1860 to 1912 (3) AS ENG

A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.

AML 3051 American Literature From 1912-1945 (3) AS ENG

A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.

AML 3413 Historical Perspectives in Early American Literature HP (3) AS ENG

Examines American literature from the Colonial Period to the Civil War as a manifestation of geographical, political, social, and intellectual forces. Will not be counted toward the English major.

AML 3604 African American Literature 6A LW (3) AS ENG

A study of African American literature from the nineteenth century to the present, including the works of such writers as W.E.B. Dubois, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni.

AML 3630 U.S. Latino/Latina Literature in English (3) AS AFA

PR: ENC 1101 and ENC 1102. This 3000-level literature course surveys American English literature by Latino/Latina writers (with Spanish American ancestry). Authors may include Piri Thomas, Sandra Cisneros, Esmeralda Santiago, Luis Valdéz, Tomás Rivera, Oscar Hijuelos, etc.

AML 4111 Nineteenth-Century American Novel (3) AS ENG

A study of the American novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.

AML 4121 Twentieth-Century American Novel (3) AS ENG

A study of major trends and influences in American prose fiction from 1900 to the present, including works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Updike, Vonnegut, and others.

AML 4261 Literature of the South (3) AS ENG

A study of the major writers of the Southern Renaissance, including writers such as Faulkner, Wolfe, Caldwell, Hellman, McCullers, O'Connor, Warren, Styron, Tate, Davidson, and Dickey.

AML 4300 Selected American Authors (3) AS ENG

The study of two or three related major authors in American literature. The course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be taken twice for credit with different topics.

AML 4303 Zora Neale Hurston: Major Works 6A MW LW (3) AS AFA

PR: Junior or Senior standing. The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and a renown Florida writer.

AML 4624 Black Women Writers 6A LW (3) AS AFA

Black women writers focuses on the literature of women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of African women in context of a global community.

AMS 2030 Introduction to American Studies SS HP (3) AS AMS

An overview of American Studies, the interdisciplinary study of American culture. Analysis of the arts and literature, including music; social issues; popular culture; material culture; cultural diversity; and social change. These approaches will be applied to a specific cultural era.

AMS 2201 Colonial American Culture HP (3) AS AMS

An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.

AMS 2212 Nineteenth-century American Culture HP (3) AS AMS

An examination of cultural patterns in America from 1776 to 1900 with an emphasis on the texture of everyday life.

AMS 2270 Twentieth-century American Culture HP (3) AS AMS

An examination of cultural patterns in America from 1900 to the present with emphasis on the texture of everyday life.

AMS 2363 Issues in American Civilization (1-4) AS AMS

An examination of selected topics such as natural environment and the quality of life, sports and American society, popular music, American communities, vigilante tradition, jazz music, role of the family, American success myth, youth in America. Topic varies.

AMS 3001 American Culture 1880-1915 6A HP (4) AS AMS

Integration of major aspects of American life between the 1880s and World War I.

AMS 3210 Regions of America HP (4) AS AMS

The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions. Topic varies.

AMS 3230 America During the 20s and 30s (3-4) AS AMS

Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.

AMS 3260 American Culture, 1830-1860 6A HP (4) AS AMS

Examines the patterns of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.

AMS 3302 Architecture and the American Environment (3) AS AMS

By means of slides, lectures and discussion, this course examines 350 years of American architectural history. Architectural styles, aesthetics and the relation between a building and its social environment are stressed.

AMS 3370 Southern Women: Myth and Reality 6A HP (3) AS AMS

This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history.

AMS 3601 Material Culture and American Society SS HP (3) AS AMS

By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans and communal societies.

AMS 3700 Racism in American Society SS HP (3) AS AMS

An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of ethnocentrism and class conflict will also be studied.

AMS 3930 Selected Topics in American Studies (1-4) AS AMS

Offerings include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.

AMS 4152 Film in American Culture (3) AS AMS

Surveys the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, performer, subject, or period of time.

AMS 4804 Major Ideas in America MW (3) AS AMS

Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, utopianism, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies.

AMS 4910 Individual Research (1-4) AS AMS

The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.

AMS 4930 Selected Topics in American Studies (1-4) AS AMS

PR: Senior in American Studies or CI. Offerings include the social implications of American painting, Technology in Twentieth Century America, American Environmental Problems, Popular Culture in America, American Military Experience, and Labor in America.

AMS 4935 Senior Seminar in American Studies (4) AS AMS

PR: Senior in American Studies or CI.

AMS 4940 Internship in American Studies (1-2) AS AMS

A structured, out-of-class learning experience designed to provide first-hand, practical training in careers related to American Studies. Restricted to American Studies majors. Repeatable up to 4 credit hours.

ANG 5395 Visual Anthropology (3) AS ANT

PR: Graduate standing. This class will examine the major dimensions of visual anthropology with an emphasis on the visual means of presenting anthropology to the discipline and general public. The course will focus on visual documentation and study of visual images.

ANG 5486 Quantitative Methods in Anthropology (3) AS ANT

PR: Graduate Standing. This course is an introduction to quantitative methods for the anthropologist covering both classical statistical approaches and exploratory data analysis, using computers with statistical software.

ANG 5901 Directed Reading (1-4) AS ANT

PR: DPR. S/U. Individual guidance in concentrated reading on a selected topic in Anthropology. Contract required prior to registration.

ANG 5910 Individual Research (2-4) AS ANT

PR: DPR. Contract required prior to registration. S/U. Individual guidance in selected research project.

ANG 5937 Seminar In Anthropology (2-4) AS ANT

PR: Senior or GS. Topics to be chosen by students and instructor.

ANT 2000 Introduction to Anthropology SS AF (4) AS ANT

The cross-cultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the cross-cultural study of peoples living in the world today, be they in tribal, peasant, or urban societies).

ANT 2410 Cultural Anthropology SS AF (3) AS ANT

Discussion of major methods of and orientations to the cross-cultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

ANT 2511 Biological Anthropology NS (3) AS ANT

CR: ANT 2511L. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized.

ANT 2511L Biological Anthropology Laboratory NS (1) AS ANT

CR: ANT 2511 This is a lab companion to an overview of biological anthropology. The students will be doing laboratories which are relevant to the class topics covered in the lecture hall in ANT 2511.

ANT 3005 The Anthropological Perspective AF (3) AS ANT

For non-anthropology majors only. May not be counted for credit toward an anthropology major. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at enabling the student to understand the anthropologist's cross-cultural view of the human species as adapting through biosocial means to life on this planet.

ANT 3101 Archaeology SS (3) AS ANT

The cross-cultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

ANT 3610 Anthropological Linguistics SS (3) AS ANT

The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.

ANT 4034 Theories of Culture (3) AS ANT

PR: DPR. Senior standing with major in anthropology. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

ANT 4142 Old World Archaeology (3) AS ANT

PR: ANT 3101 or DPR. The archaeology of Europe, Asia and Africa, from the earliest humans through the emergence of state-level societies in many parts of the Old World. The course will focus on comparative aspects of economic, social, political, and religious organization in the prehistoric Near East, Egypt, China, the Aegean, Europe and Africa.

ANT 4143 European Archaeology (3) AS ANT

PR: ANT 3101 or DPR. The archaeology of Europe, from the first Palaeolithic inhabitants to the fall of Roman civilization. The course will focus on ancient material culture while emphasizing social and economic questions such as the emergence of modern humans, the adoption of agriculture, the development of complex societies, and the rise of civilization.

ANT 4147 Environmental Archaeology (3) AS ANT

PR: ANT 3101 or DPR. This course examines environmental constraints on ancient human societies, and how human activities have impacted the environment in the last several thousand years. Presentation of the methods used to reconstruct prehistoric environments will be followed by case studies from Florida, Central and South America, Easter Island, the Mediterranean and the Near East.

ANT 4149 Fantastic Archaeology MW (3) AS ANT

PR: Junior standing or above. Mysteries including the Lost Continent of Atlantis, Ancient Astronauts, Piltdown Man, Psychic Archaeology, Noah's Ark, and the Shroud of Turin will be examined, while emphasizing skills in critical thinking that have much wider practical applications.

ANT 4153 North American Archaeology (3) AS ANT

PR: ANT 3101 or DPR. An examination of the evidence regarding the human settlement of North America from its beginnings through the development of aboriginal culture to the period of European conquest.

Emphasis on the comparative study of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 Florida Archaeology (4) AS ANT

PR: ANT 3101, DPR. Culture history and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indians) through the elaborate Weeden Island and Safety Harbor burial and temple mound cultures to the Spanish entrada and consequences of European conquest. Review of temporal and spatial relationships within the entire eastern U.S. and elsewhere. May be part of a summer (or other semester) field school, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4163 Mesoamerican Archaeology (3) AS ANT

PR: ANT 3101 or DPR. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4165 South American Archaeology (3) AS ANT

PR: ANT 3101 or DPR. Describes and analyzes the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimu are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4172 Historical Archaeology MW (3) AS ANT

PR: ANT 3101 or DPR. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

ANT 4180 Laboratory Methods in Archaeology (2-4) AS ANT

PR: ANT 3101, DPR. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, mapmaking, etc. May be offered as part of a summer (or other semester) field session. May be combined with Florida Archaeology and Field Methods in Archaeology.

ANT 4181 Museum Methods (4) AS ANT

PR: ANT 3101 and DPR. Design, preparation and installation of exhibits in the Department of Anthropology Teaching Exhibit Gallery. Emphasis on theory, research, design, and construction. Discussion of museum-related issues such as administration and curation.

ANT 4183C Archaeological Science (4) AS ANT

PR: ANT 3101 or DPR. This course focuses on the application of scientific methods of analysis to archaeological materials including bone, stone, pottery, and metal. Methods include absolute dating, remote sensing, optical and SEM microscopy, elemental and isotope analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods.

ANT 4231 Folklore 6A (3) AS ANT

PR: ANT 2410 or DPR. Focuses on cross-cultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

ANT 4241 Anthropology of Religion 6A MW (3) AS ANT

PR: ANT 2410 or DPR. The cross-cultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious practitioners and symbols of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4285 Oral History (3) AS ANT

PR: ANT 2410 or DPR. A survey of the history, methods, and current applications of oral history research, primarily in the anthropological study of culture, but with reference to allied disciplines. Students will become familiar with oral history through intensive analysis of selected case studies as well as guided field projects.

ANT 4302 Gender in Cross-Cultural Perspective MW (3) AS ANT

PR: ANT 2410 or DPR. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today.

ANT 4312 North American Indians (3) AS ANT

PR: ANT 2410 or DPR. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, enculturation and worldview, folklore and visual art.

ANT 4316 Ethnic Diversity in the United States MW (3) AS ANT

PR: ANT 2410 or DPR. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, experiences, and lifestyles, and an examination of policies and problems affecting ethnic groups in the United States.

ANT 4323 Mexico and Central America (3) AS ANT

PR: ANT 2410. Restricted to Anthropology majors, LACS certificate students, juniors and seniors only. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 The Caribbean 6A MW (3) AS ANT

PR: ANT 2410 or DPR. Restricted to junior and senior CAS majors. Main themes include: the depopulation of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethnic heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4390 Visual Anthropology (3) AS ANT

PR: ANT 2410 and DPR. The use of photographic techniques for the crosscultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the goal of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4401 Exploring Cross-Cultural Diversity MW (3) AS ANT

For non-Anthropology majors only. This course will introduce students to anthropological perspectives which are useful in understanding the implications of cultural diversity related to changing demographic patterns within our country as well as to increasing globalization.

ANT 4432 The Individual and Culture 6A MW (3) AS ANT

PR: ANT 2410 or DPR. The relationship between the individual and society is studied cross-culturally. Main themes include child-rearing practices, psychosomatic illness and curing. Discussion of theories and models of personality development with special reference to their applicability to the emerging field of cross-cultural mental health planning.

ANT 4442 Urban Life and Culture (3) AS ANT

PR: ANT 2410 or DPR. The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.

ANT 4462 Health, Illness, and Culture (3) AS ANT

PR: ANT 2410 or DPR. The study of health and human behavior in cross-cultural perspective. Main themes include: the impact of disease on the development of human culture; comparative studies of curing practices; medical systems in their relationship to ideology. Emphasis on understanding the role of medicine, and the behavior of both practitioners and patients in modern societies.

ANT 4495 Methods in Cultural Research (3) AS ANT

PR: DPR. Restricted to juniors and seniors. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4520C Forensic Anthropology (4) AS ANT

PR: ANT 2511 or DPR. This course is designed to familiarize students with forensic anthropology through lectures and lab work. Students will learn human skeletal biology for personal identification and cause of death. This course is restricted to majors and is not repeatable.

ANT 4586 Prehistoric Human Evolution NS (3) AS ANT

PR: ANT 2511 or DPR. A survey of the fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human lineage. Biosocial patterns and cultures of the past are also covered.

ANT 4587 Human Variation (3) AS ANT

PR: ANT 2511 or DPR. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

ANT 4620 Language and Culture 6A (3) AS ANT

PR: ANT 3610 or DPR. Examines the relationships between language and culture in cross-cultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasis on the nature and degree of fit between linguistics and other cultural systems of knowledge.

ANT 4701 Applied Anthropology (3) AS ANT

PR: ANT 2410 or DPR. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues in United States society. Discussion of the historical development of applied anthropology, problems of economic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 Language and Social Interaction 6A (3) AS ANT

PR: ANT 3610 or DPR. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the cross-cultural description and analysis of patterns of communication in ethnographic contexts.

ANT 4824 Archaeological Field Methods (4-12) AS ANT

PR: ANT 3101, DPR. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Archaeology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recovery, recording, and processing.

ANT 4901 Directed Reading (1-4) AS ANT

PR: DPR. S/U only. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration.

ANT 4905 Individual Research (2-4) AS ANT

PR: DPR. S/U only. Individual guidance in a selected research project. Contract required prior to registration.

ANT 4930 Special Topics in Anthropology (2-4) AS ANT

PR: Variable depending on topic or DPR. Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored.

ANT 4932 Honors Seminar (4) AS ANT

PR: Admission to the honors program in anthropology and DPR. Seminar designed to provide the honors student with an opportunity to present, discuss and defend his/her own research and to explore in-depth topics in several areas of anthropology.

ANT 4935 Rethinking Anthropology 6A (3) AS ANT

PR: Senior standing with major in anthropology. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

ANT 4940 Directed Internship Including Practicum (2-4) AS ANT

PR: DPR. Individual guidance in a selected internship. Contract required prior to registration. S/U only. Majors and non-majors. May be repeated for credit; max 6 total hours.

ANT 4970 Honors Thesis (3) AS ANT

PR: Admission to the honors program, completion of the honors seminar and DPR. S/U only. The student under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology.

ARA 1120 Modern Arabic I (4) AS WLE

CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.

ARA 1120L Modern Arabic I Laboratory (1) AS WLE

CR: ARA 1120. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously.

ARA 1121 Modern Arabic II (4) AS WLE

PR: ARA 1120 or its equivalent. CR: ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

ARA 1121L Modern Arabic II Laboratory (1) AS WLE

CR: ARA 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

ARA 2220 Modern Arabic III (4) AS WLE

PR: ARA 1121 or the equivalent. For language students who intend to attain basic proficiency.

ARA 2221 Modern Arabic IV (4) AS WLE

PR: ARA2220 or the equivalent. Continuation of ARA2220. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

ARA 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion.

ARA 4930 Selected Topics (1-5) AS WLE

Departmental approval required. Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion.

ARC 2131 Introduction to Architectural Design and Graphics FA (4) AR ARC

An introduction to fundamental "critical thinking" and graphic communication skills in architecture.

ARC 2211 Introduction to Architecture HP FA (3) AR ARC

An introduction to the analysis and interpretation of the architecture and urban design of various cultures.

ARC 2701 Architectural History I HP FA (3) AR ARC

Overview of the built environment from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context.

ARC 2702 Architectural History II HP FA (3) AR ARC

Overview of the built environment from the Middle Ages to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context.

ARC 2932 Selected Topics (1-4) AR ARC

Selected topics will include architectural diagramming, freehand drawing, model making, photography, and computer graphics. Courses are intended for nonmajors and are repeatable.

ARC 4784 The City 6A MW (3) AR ARC

This course examines the history of the city, as both idea and reality, with a particular focus on Western cities, and the 20th century. The course is open to undergraduates and students in the Graduate Architecture Program.

ARC 4931 Selected Topics in Architecture and Community Design (2-4) AR ARC

Variable topics will be offered for pre-professional studies for students in the Liberal Studies Major/ALA Degree Program and as electives for other undergraduates.

ARC 5175 Computer Technology (3) AR ARC

PR: CC. Introduction to the application of computer technology in current architectural practice. The exploration of available software, programs, and computer services for word processing, information handling, specification writing, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), computer graphics, computer aided design and drafting.

ARC 5216 The Building Arts (3) AR ARC

PR: CC. Introduction to the man-made environment. The study and profession of architecture. The various facets of the process of shaping the built environment as it manifests itself in the different roles and specialization of the experts involved the process, and in the various academic courses that prepare the architect for practice.

ARC 5256 Design Theory (3) AR ARC

PR: DPR. Survey of major schools of thought in design theory, methods of design and problem-solving, and design research. The nature of the design activity and its recurring difficulties. The nature and different types of problems. Traditional approaches to problem-solving and design in architecture; recent systematic as well as intuitive approaches to problem-solving based on developments in other fields. Scientific method; the systems approach and design.

ARC 5361 Core Design I (9) AR ARC

PR: CC. First of two semester Design Fundamentals/Design Graphics sequence focusing on design abstractions and analysis of the factors influencing conceptual design. Emphasis is placed on ordering principles, pattern recognition and utilization, and figure-ground relationships. Development of craftsmanship, drawing as a means to design, and perceptual acuity are stressed.

ARC 5362 Core Design II (9) AR ARC

PR: ARC 5361, CC. Second of a two semester Design Fundamentals/Design Graphics sequence focusing on synthesis of design concepts and application of ordering principles in architectural design. Emphasis is placed on developing an understanding and awareness of architectural elements and compositions. Students examine the work of significant architects and use it as a basis for design exploration. Graphic documentation, diagramming, and model studies are stressed.

ARC 5363 Core Design III (6) AR ARC

PR: ARC 5362, ARC 5467, ARC 5587, ARC 5731. CO: ARC 5689. Study of the various phases of the building delivery and design process, and of different approaches to ordering that process in a systematic fashion. The student will use one such systematic approach in the investigation and development of design solutions for a project of moderate scale and complexity. Studies of built form ordering principles, mass/void relationships, scale and proportion, color, texture, contextual relationships, meaning/imagery, and building technology (awareness of structural organization, services networks, construction processes and materials). Aspects of human behavior as design determinants.

ARC 5364 Advanced Design A (6) AR ARC

PR: ARC 5363. CP: ARC 5588, ARC 5467. Application of orderly design processes to building projects of moderate complexity and scale. Continued investigation of the relationship between human behavior and the environment. Analysis and integration of site relationships into the development of design solutions. Legal aspects of zoning, building codes, and regulations regarding access for accessibility, fire escape, etc.

ARC 5365 Advanced Design B (6) AR ARC

PR: ARC 5363. CP: ARC 5588, ARC 5467. Investigation of the interaction between user requirements, environmental determinants, site and urban context conditions, technological factors, and design intentions in the development of design solutions for projects of medium scale and complexity. The analysis, design, and coordination of the various resulting systems, including structural, circulation, service networks, space zoning and use, environmental control systems at the interface between interior and exterior of a building.

Representation of these relationships and systems in diagrams and models, and their manifestation in design and construction details.

ARC 5366 Advanced Design C (6) AR ARC

PR: ARC 5363. CP: ARC 5588, ARC 5467. Design of multi-purpose buildings of medium to large scale and complexity. Issues of community and neighborhood design as they relate to the design of buildings. Restoration and adaptive re-use of existing historic buildings. Focus on thinking through as well as documenting the complete building system and process.

ARC 5467 Materials and Methods of Construction (3) AR ARC

PR: ARC 5470, CC. Overview of properties of primary construction materials and systems that make up building structures and enclosures. Emphasis on elements and assemblies relative to various climates, technologies, costs, building codes, and craftsmanship.

ARC 5470 Introduction to Technology (3) AR ARC

Introduction to architectural technology, including structures, materials and methods of construction, and environmental controls. Overview of building systems and components and their integration into architectural design projects.

ARC 5587 Structures I (3) AR ARC

PR: Calculus, Physics, and ARC 5470, CC. Review of static and mechanical principles of materials. Analysis and evaluation for appropriate selection of structural systems and elements. Analysis and design of timber and steel structures, based on moment, shear, and deflection. Fundamentals of wind and seismic design as they apply to wood and steel construction. Truss analysis, beam and column behavior.

ARC 5588 Structures II (3) AR ARC

PR: ARC 5587, CC. Introduction to the concepts and theories of structural analysis and design of reinforced concrete systems and elements, including practical application in building construction. Prestressing, post-tensioning, hybrid assemblies. Fundamentals of wind and seismic design. Formwork, placement, and assembly techniques.

ARC 5689 Environmental Technology (3) AR ARC

PR: ARC 5467 and ARC 5470. Comprehensive overview of mechanical systems for buildings including: water and waste; fire protection and suppression; heating, cooling and controls; electric power distribution and illumination; communications; transportation systems, and acoustics.

ARC 5731 Architectural History I (3) AR ARC

Overview of the built environment from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Varieties of methodological approaches to the analysis of historical architecture. The focus will be on the built environment of Europe and the Mediterranean basin.

ARC 5732 Architectural History II (3) AR ARC

Overview of the built environment from the Renaissance to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological, and economic context. Study of various methodological approaches to the analysis of historic architecture, and development of student's own approach. Emphasis will be on the built environment of Europe and America.

ARC 5789 Modern Architecture History (3) AR ARC

PR: CC, CI. Exploration of the philosophic, economic, aesthetic, social, historical and moral imperatives used by modern architects and historians in their attempt to design the appropriate physical environment for a new social order. The course will investigate the writings and works of the proponents of the modern style of architecture and study the "New Architecture" as defined by those who broke tradition and expressed the new era using modern construction materials and techniques.

ARC 5793 History Abroad (3) AR ARC

PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5794 Florida Architectural History (3) AR ARC

An examination of the environmental, sociological, technological, political, economic, cultural, and other factors that influenced the discovery, growth, and urbanization of Florida as manifested by its architecture.

ARC 5920 Architectural Design Studio Abroad (5) AR ARC

PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5931 Special Studies in Architecture (1-5) AR ARC

PR: CC. Variable titles offered on topics of special interest.

ARE 3044 Experiential Basis of Artistic Mind (3) VP ART

Designed to awaken the language of image and metaphor, with emphasis on the internal and expressive aspects of art as well as their application in the schools and the community.

ARE 3354 Art Teaching Strategies I (3) VP ART

PR: ARE 3044. A combination of theory, philosophy and practice in both public and private learning centers to provide the student with a variety of teaching concepts and media exploration in art education and to further enable the student to understand stages of young people, three to eighteen.

ARE 4313 Art For the Child and You (2) VP ART

Art and the intellectual, creative, emotional, and aesthetic growth of children.

ARE 4341 Art Teaching Strategies II (3) VP ART

Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

ARE 4443 Crafts Workshop in Art Education (3) VP ART

PR: ARE 3044. The study and practice of processes and media involved with the exploration and expression of cultural traditions and individual ideas through crafts.

ARE 4642 Community Arts (3) VP ART

PR: ARE 3044. Explores the arts as infrastructure through identification, Exploration and experimentation of/with unique community spaces, populations and new environments for and learning in the arts.

ARE 4909 Directed Study: Art Education (1-3) VP ART

PR: Senior standing. Directed study contract required. Designed to extend teaching competencies in the field of art education.

ARE 4936 Senior Seminar in Art Education (2) VP ART

PR: Senior standing. CR: ARE 4940. Synthesis of teacher candidate's courses in complete college program.

ARE 4940 Internship: Art Education (1-12) VP ART

CR: ARE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

ARH 2050 History of Visual Arts I HP FA (3) VP ART

PR: DPR. A survey of World Art to AD 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

ARH 2051 History of Visual Arts II HP FA (3) VP ART

PR: DPR. A survey of World Art since 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

ARH 3001 Introduction To Art HP FA (4) VP ART

An expanded introductory treatment of basic concepts. For non-art majors.

ARH 3475C Contemporary Issues in Art HP FA MW (4) VP ART

PR: DPR. Focuses upon the productions, themes and processes of artists working in the present time. This course will investigate the relationship of materials and media used by contemporary artists to the subject and content of artists' productions/products as well as conceptual processes.

ARH 4115 Ancient Egyptian and Near Eastern Art (4) VP ART

PR: ARH 2050 recommended but not required. A study of the art and cultures of ancient Egypt and the Near East, from the prehistoric period through the conquests of Alexander the Great.

ARH 4130 Greek Art (4) VP ART

PR: ARH 2050 or EUH 2011 recommended but not required. A comprehensive study of ancient Greek sculpture, painting, architecture, and other artistic media from the Bronze Age through the Hellenistic period.

ARH 4151 Roman Art (4) VP ART

PR: ARH 2050 or EUH 2011 recommended but not required. A comprehensive study of ancient Roman sculpture, painting, architecture, and other artistic media from the founding of Rome through the reign of Constantine.

ARH 4170 Greek and Roman Art (4) VP ART

A comprehensive study of Aegean, Mycenaean, Etruscan, Greek and Roman painting, sculpture and architecture.

ARH 4200 Medieval Art (4) VP ART

PR: DPR. A comprehensive study of early Christian, Byzantine and Medieval painting, sculpture, architecture and manuscript illumination.

ARH 4301 Renaissance Art (4) VP ART

PR: DPR. A comprehensive study of Renaissance and Mannerist painting, sculpture and architecture in Italy and Northern Europe.

ARH 4318 Venetian Art (4) VP ART

PR: DPR. Major monuments of Venetian art are examined to elucidate the importance of Venice as the crossroads of cultural exchange between Islam, Byzantium, and the West, and the importance of Venetian art to the history of art and art criticism.

ARH 4350 Baroque and Rococo Art (4) VP ART

PR: DPR. A comprehensive study of the painting, sculpture and architecture in France, Italy, Spain and the Netherlands in the seventeenth and early eighteenth centuries.

ARH 4430 Nineteenth Century Art (4) VP ART

PR: ARH 2051. A comprehensive study of nineteenth century painting, sculpture and architecture in America and Europe. Gender/multicultural issues and methodologies in 19th century art are emphasized.

ARH 4450 Twentieth Century Art (4) VP ART

PR: ARH 2051. A comprehensive study of painting, sculpture and architecture from Cezanne to the present in Europe and the United States. Required of all art majors.

ARH 4455 Modern Political Iconography MW (4) VP ART

PR: DPR. The course explores art in which political themes are considered to be the source and determinant of aesthetic decisions. The dominant iconographic theme is the iconography of revolution, rebellion, and other forms of political struggle in 20th Century art and film.

ARH 4520 African Art (4) VP ART

PR: DPR. A combination of survey, comparative study and in-depth analysis of African sculpture, mainly from West and Central Africa. Emphasis on diversity of forms and contexts, functions, symbolism and meanings.

ARH 4530 Asian Art (4) VP ART

PR: Departmental Approval. An introduction to concepts of the arts of China, Japan and other Far Eastern countries.

ARH 4547 Buddhist Art (4) VP ART

PR: DPR. This course examines one important aspect of Asian artistic production. Buddhist Art begins in India and travels via the Himalayas and Southeast Asia to East Asia, touching on artistic expression of major principles and practices, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

ARH 4557 Chinese Art (4) VP ART

PR: DPR. Chinese Art proceeds chronologically, from the Neolithic era up to the contemporary art world. The course considers cultural, linguistic, technical, philosophic, political and religious influences on the art works produced by this ancient society.

ARH 4710 History of Photography 6A MW (4) VP ART

PR: ARH 2051. Comprehensive overview of the history of photography from its inception to the present day with an emphasis on the relationship of photography to the visual arts and popular culture.

ARH 4721C History of Printmaking 6A (3) VP ART

The history of Western printmaking from the Middle Ages to contemporary times, with an emphasis on artmaking technology and research, cultural perspectives and theoretical/critical analytical capabilities. The course is open to majors and non-majors. It is not repeatable for credit.

ARH 4724 History of Graphic Design 6A (4) VP ART

This course surveys the design profession and the graphic design discipline. Students will explore graphic styles from the turn of the century to contemporary works, highlighting the innovations of influential designers throughout history.

ARH 4744 Selected Topics In The History of Film (4) VP ART

In-depth investigation of a selected period, development, or school in the history of film as art.

ARH 4800 Critical Studies In Art History 6A (4) VP ART

PR: Two advanced Art Histories. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering.

ARH 4890 Paris Art History (4) VP ART

PR: Minimum 8 hours of art history at the undergraduate level or equivalent. CI. This course will explore issues central to the history and criticism of art through the rich visual culture of Paris. Themes will include art and national identity, orientalism, the avant-garde and the role of the museum in the evolution of modern art.

ARH 4930 Art History: Selected Topics (2-4) VP ART

Lecture/discussion course designed to offer areas of expertise of visiting scholars or specific interests of resident faculty.

ARH 4937 Seminar In The History Of Art History (4) VP ART

PR: Four courses in Art History at the 4000 level, DPR. An examination of the origins of Art History as a discipline and changing nature of Art History from Vasari to the present.

ARH 5451 Cultural and Intellectual History of Modern Art (4) VP ART

PR: CI. A course in which theories of modern artists and of critics and historians of Modernism are treated as a part of general cultural and intellectual history.

ARH 5813 Methods of Art History (4) VP ART

Must be taken during the student's first two semesters in the M.A. program This course introduces students to various methods which art historians have used to analyze the form and content of individual works of art, and to various modes of historical explanation.

ARH 5836 Collection and Exhibition Management (3) VP ART

PR: Art Advisor's Approval This class will introduce students to the basic principles of collections care and management and to the intellectual and practical tasks of preparing an exhibition. Sessions will include art handling, registration and condition reporting, preparing works of art for transit, environmental standards for collections storage and exhibition, and the professional responsibilities of the curator.

ART 2201C Concepts and Practices I FA (3-4) VP ART

An introduction to basic visual art studio concepts. Topics include the nature of art, the visual language of its form, modes of representation, and visual art theory. Studio problems supplemented by lecture and discussion. Emphasis on images of implied time and space.

ART 2203C Concepts and Practices II FA (3-4) VP ART

PR: ART 2201C (for majors). No prerequisites for non-majors. This course will synthesize and expand on the groundwork laid in Fabrications I, which is pre-requisite for majors, but not for non-majors. Fabrications II will focus on the significance of meaning and how it is constructed visually by researching 3 phases; I - the personal in images, We - images of cultural ideas, and They - images produced through collaboration.

ART 2301C Beginning Drawing (3) VP ART

PR: Majors Only. Projects exploring the methods, media, and concepts of drawing.

ART 2400C Beginning Printmaking (3) VP ART

PR: Majors Only. This course is designed as an introduction to the medium of printmaking. It concentrates on the technical production of various print media including: intaglio, relief, monoprint and serigraphy (screen printing).

ART 2500C Beginning Painting (3) VP ART

PR: Majors Only. Projects in painting with emphasis on the exploration of methods and media and the development of individual concepts.

ART 2701C Beginning Sculpture (3) VP ART

PR: Majors Only. Projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

ART 2750C Beginning Ceramics (3) VP ART

PR: Majors Only. An introduction to the use of ceramic materials as a means of self expression and critical exploration.

ART 2930 Selected Topics In Art (2-4) VP ART

PR: Majors Only. The content of this course will be determined by student demand and instructor interest. Open University offerings under this number may not be counted for degree credit for art majors.

ART 3310C Intermediate Drawing (3) VP ART

PR: ART 2301C. Permit required. Majors Only. An extension of the skills and concepts introduced in Beginning Drawing with an emphasis on individual experimentation and the development of advanced critical and technical skills in the discipline. Repeatable up to 15 hours.

ART 3380C Selected Topics in Drawing (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C. Majors Only. Selected Topics in Drawing is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Majors only. Repeatable up to 15 hours.

ART 3401C Intermediate Printmaking (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 2400C, ART 3310C, ARH 2050, ARH 2051. This course concentrates on developing intermediate skills in printmaking with particular emphasis on conceptual topics. The course is intended for majors. Repeatable up to 15 hours.

ART 3461C Selected Topics in Printmaking (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C, ART 2400C, ART 3401C. Majors Only. Selected Topics in Printmaking is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Majors only. Repeatable up to 15 hours.

ART 3465 Digital Printmaking (3) VP ART

PR: ART 3612C or ART 2400C. Majors Only. An investigation of printmaking using the computer as a design interface between electronic and traditional printmaking processes. Repeatable up to 9 hours.

ART 3513C Selected Topics in Painting (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C, ART 2500C, ART 3530C. Majors Only. Selected Topics in Painting is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Majors only. Repeatable up to 15 hours.

ART 3530C Intermediate Painting (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 2500C, ART 3310C, ARH 2050, ARH 2051. An extension of the skills and concepts introduced in Beginning Painting with an emphasis on individual experimentation and the development of advanced critical and technical skills in the discipline. Repeatable up to 15 hours.

ART 3612C Beginning Electronic Media (3) VP ART

PR: Majors Only. An Introductory exploration of the issues and practices involved in the creation of experimental computer art. The course focuses on an interdisciplinary approach to electronic media.

ART 3613C Intermediate Electronic Media (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 3310C, ART 3612C, ARH 2050, ARH 2051. An intermediate exploration of the issues and practices involved in the creation of experimental computer art.

The course focuses on an interdisciplinary approach to electronic media while developing individual creative growth. Repeatable up to 15 hours.

ART 3635 Selected Topics in Electronic Media (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C, ART 3612, ART3613C. Majors Only. Selected Topics in Electronic Media is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Majors only. Repeatable up to 15 hours.

ART 3704C Intermediate Sculpture (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 2701C, ART 3310C, ARH 2050, ARH 2051. This course expands upon the principles and processes introduced in Beginning Sculpture, developing a higher level of technical competence and critical sophistication. Repeatable up to 15 hours.

ART 3712C Multiples, Molds, and Bronzecasting (3) VP ART

PR: ART 2701C and ART 3704C. Majors Only. Continued studies and projects in sculpture with an emphasis on the nature of multiples explored through advanced mold making and bronzecasting. This course may not be repeated for credit. The conceptual implications of the multiple will be taught through reading, lecture, discussion and demonstration.

ART 3735 Selected Topics in Sculpture (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C, ART 2701C, ART 3704C. Majors Only. Selected Topics in Sculpture is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Repeatable up to 15 hours.

ART 3761C Intermediate Ceramics (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 2750C, ART 3310C, ARH 2050, ARH 2051. Intermediate problems in ceramics and emphasis on the exploration of methods and media and the development of individual concepts. Repeatable up to 15 hours.

ART 3781C Selected Topics in Ceramics (3) VP ART

PR: ART2203C, ARH 2050, ARH 2051, ART 2301C, ART 3310C, ART 2750C, ART 3761C. Selected Topics in Ceramics is an intermediate course providing focused exploration of content specific to the discipline. It furthers the development of skills and critical discourse in the field. Majors only. Repeatable up to 15 hours.

ART 3843C Site, Installation, and Performance (3) VP ART

PR: ART 2701C and ART 3704C. Majors Only. Continued studies and projects in sculpture with an emphasis on site-specific sculpture, installation and performance. A critical and cultural awareness of contemporary issues and media in sculpture will be developed through studio projects assigned readings, discussions, critiques and demonstrations. The course may not be repeated for credit.

ART 3935 Studio Techniques: Selected Projects (2) VP ART

PR: DPR. Concentration in specialized technical data and process. Repeatable.

ART 3939 The Real World (3) VP ART

Restricted to studio majors. Offers studio students the opportunity to analyze their experiences as art majors and explore options available to visual artists upon completion of their degree.

ART 4320C Advanced Drawing (3) VP ART

PR: 9 hours of Intermediate courses in the discipline and a 3.25 major GPA or DPR. Majors Only. Continued projects in drawing. Repeatable.

ART 4402C Advanced Printmaking (3) VP ART

PR: 9 hours of Intermediate courses in the discipline and a 3.25 major GPA or DPR. Majors Only. This course is designed as an advanced printmaking studio and emphasizes content and meaning in visual imagery. The student is encouraged to work in a specific printmaking medium (intaglio, relief, lithography or screen printing) and develop a cohesive series of images. Repeatable.

ART 4520C Advanced Painting (3) VP ART

PR: 9 hours of Intermediate courses in the discipline and a 3.25 major GPA or DPR. Majors Only. Continued projects in painting. Repeatable.

ART 4614C Advanced Electronic Media (3) VP ART

PR: 9 hours of Intermediate courses in the discipline and a 3.25 major GPA or DPR. Majors Only. Advanced exploration of issues and practices involved in the creation of experimental computer art. The course continues as interdisciplinary approach to electronic media with a focus on individual and group projects. Repeatable.

ART 4616 Computer Animation (4) VP ART

Exploration of issues and practices involved in the creation of computer animations, focused on individual creative growth.

ART 4634C Visual Design for the Internet (3) VP ART

Restricted to majors. This upper level course builds upon the concepts students encountered in the introductory level graphic design courses and focuses upon web content creation and animation techniques.

ART 4710C Advanced Sculpture (3) VP ART

PR: ART 3704C, ART 3843C, ART 3712C and a 3.25 major GPA. Majors Only. Continued problems in sculpture. Repeatable.

ART 4782C Advanced Ceramics (3) VP ART

PR: 9 hours of Intermediate courses in the discipline and a 3.25 major GPA or DPR. Majors Only. Continued problems in ceramics. Repeatable.

ART 4806 Theme Studio (3) VP ART

PR: Majors Only. All preparation courses plus course in Studio Workshop I.

ART 4814 Paris Art Studio (3) VP ART

PR: ART 2201C or equivalent. This course will explore contemporary and historic Paris as a subject and source for artmaking, drawing upon a range of concepts and strategies that emphasize imaginative encounters with its space, streets, museums, architecture and people.

ART 4900 Directed Reading (1-4) VP ART

PR: CI. Registration by contract only. A course of reading and study in an area of special concern governed by student demand, instructor interest and/or department requirements. Registration is by contract only. Repeatable.

ART 4905 Directed Study (1-4) VP ART

PR: CI, DPR. Registration by contract only. Independent studies in the various areas of Visual Arts. Course of study and credits must be assigned prior to registration. Repeatable.

ART 4925 Media Workshop: Design Production (3) VP ART

PR: Graphic design majors only. This upper level technology course will develop in-depth understanding of graphic software and print production techniques. Students will review software programs, file preparation requirements, and print production standards.

ART 4930 Selected Topics In Art (2-4) VP ART

PR: DPR. The content of this course will be determined by student demand and instructor interest. Open University offerings under this number may not be counted for degree credit for art majors. Repeatable.

ART 4940 Extended Studies (1-4) VP ART

Extended Studies requires students to engage in art-related activities that expand upon their traditional academic experience. It is by contract and may involve internship and/or foreign studies. The course is restricted to majors. Not repeatable.

ART 4970C Senior Thesis (4) VP ART

PR: DPR, CI. The creation of a coherent body of advanced level artwork that is supported by a written document describing processes working procedures, research, context and content of the artwork itself. The course is restricted to majors, and is required of all B.F.A. candidates.

ART 5390C Drawing (4) VP ART

PR: ART 4320C, CI, DPR. Advanced problems in various drawing techniques. Emphasis on individual creative expression. Repeatable.

ART 5422C Lithography (4) VP ART

PR: ART 4402C, CI, DPR. Advanced problems in various lithographic techniques. Emphasis on individual creative expression. Repeatable.

ART 5448C Intaglio (4) VP ART

PR: CI. Registration by contract only. Investigations into more complex intaglio processes including photoengraving and color printing procedures. Emphasis on personal conceptual development in graphic media.

ART 5580C Painting (4) VP ART

PR: CI. Registration by contract only. Research in painting

ART 5740C Sculpture (4) VP ART

PR: ART 2701C, DPR. Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression. Repeatable.

ART 5790C Ceramics (4) VP ART

PR: ART 2750C, DPR. Advanced problems in the various ceramic techniques, including throwing and glaze calculation. Repeatable.

ART 5910 Research (1-4) VP ART

PR: CI, DPR. Registration by contract only. Repeatable.

ART 5936 Studio Techniques: Selected Projects (2) VP ART

PR: DPR. Concentration in specialized media or processes. Repeatable.

ASH 2270 Southeast Asian History HP AF (3) AS HTY

This course examines the origins and development of the major Southeast Asian cultures over the past two millennia, focusing particularly on the transformation of small communities into modern states and the factors that facilitated this process.

ASH 3404 Modern China SS HP AF (4) AS HTY

Political, economic, and social history of China from the time of the first major Western contacts (17th-18th Centuries) through the consolidation of socialism in the late 1950's, and the Great Leap Forward.

ASN 3012 Japan Today SS (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3014 China Today AF (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3030 The Middle East AF (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

AST 2003 Astronomy of the Solar System NS (4) AS AST

Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2004. Either may be taken before the other or taken by itself.

AST 2004 Stellar Astronomy and Cosmology NS (4) AS AST

An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2003. Either may be taken before the other or taken by itself.

AST 2032C Illustrative Astronomy (3) AS AST

Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations.

AST 3033 Contemporary Thinking in Astronomy NS (3) AS AST

PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

AST 3044 Archaeoastronomy (3) AS AST

PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-Lab.

AST 3652 Navigation (3) AS AST

PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment, spherical astronomy.

AST 3930 Selected Topics in Astronomy (1-4) AS AST

PR: CI. Course content will depend upon the interest of the faculty member and student demand.

AST 5506 Introduction to Celestial Mechanics (3) AS AST

PR: MAC 2313 or MAC 2283 and some knowledge of differential equations, or CI. The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

AST 5932 Selected Topics in Astronomy (1-5) AS AST

PR: Senior or advanced junior standing or CI. Intensive coverage of special topics to suit needs of advanced students.

BCH 3023 Introductory Biochemistry (3) AS CHM

PR: CHM 2200 or CHM 2211 and BSC 2010. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.

BCH 3023L Basic Biochemistry Laboratory (2) AS CHM

CR: BCH 3023. Practical work in determination and characterization of important biomolecules. Lec.-lab.

BCH 4034 Advanced Biochemistry (3) AS CHM

PR: BCH 3023. An advanced undergraduate course emphasizing such topics as metabolic regulation, DNA and RNA structure and function, receptors, channels, antibodies, and contraction.

BCH 5045 Biochemistry Core Course (3) AS CHM

PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.

BCH 5105 Biochemistry Laboratory Rotations (1-3) AS CHM

A course in which first year graduate students rotate through selected professor's laboratories to learn techniques, become familiar with ongoing research in the Department and facilitate the selection of a mentor.

BME 4406 Engineering of Biological Systems (3) EN ECH

PR: CHM 2210 (majors) or Consent of Instructor (non-majors). This course is designed to convey the basics of biological systems and the roles that engineers play in industrial biology to engineering students (primarily) and to students that are majoring in other sciences. Not repeatable for credit. For majors and nonmajors.

BME 5040 Pharmaceutical Engineering (2) EN ECH

PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.

BME 5320 Theory and Design of Bioprocesses (3) EN ECH

PR: Senior standing in engineering or CI. Open to majors and non-majors with CI. Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems.

BME 5748 Selected Topics in Biomedical Engineering (1-3) EN ECH

Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems.

BME 5910 Directed Research in Bioengineering (1-3) EN ECH

PR: CI. Directed research in an area of biomedical engineering or engineering biotechnology.

BME 5937 Selected Topics in Biomedical Engineering (1-3) EN ECH

PR: Senior or GS standing in Engineering or CI. Open to non-engineering students with CI. Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems. May be taken by non-engineering students with CI. Repeatable as subjects vary.

BMS 4402 Principles of Human Pharmacology NS (3) ME MSG

Not available on S/U basis. Pharmacodynamics (effects), pharmacokinetics (absorption, distribution, metabolism, excretion) and side effects/toxicity of drugs. Designed to provide basic understanding of mechanism of drug action resulting from modifying biologic processes.

BMS 5005 Professions of Medicine: Foundations of Doctoring (1-19) ME MSG

This three-week course placed at the beginning of the medical school curriculum will introduce the students to principles that will be used through the entire medical school education and beyond. Basic scientists and clinicians present information in an integrated approach. Topical areas include: use of information resources (library/computer), the medical article, intro to evidence based medicine, effective study techniques, intro to the physical exam, cultural diversity, ethics and professionalism, and state of the art presentation. The course will use both large and small group learning techniques and students will demonstrate achievement of knowledge.

BMS 5015 Clinical Diagnosis and Reasoning (var.) ME MSG

This course aims to provide the student with the opportunity to "think like a physician." It will provide the venue to integrate clin diagnosis/reasoning strategies with complementary aspects of clin problem solving/phys diagnosis/evidence based medicine.

BMS 5190 Anatomy by Diagnostic Testing (1-20) ME MSG

Describing normal human anatomy in three dimensions (frontal, coronal, and axial), using contrast medical and imaging modalities available for diagnostic radiologists. Course will be oriented to organ systems describing anatomy of the organ and its vasculature and topographic anatomy. It will include didactic lecture series and a standing display of images for self-studies. Plain radiographs, contrast studies of gastrointestinal and urinary tract, arteriograms, computed tomograms, magnetic resonance, and ultrasound scans of body organs will be displayed.

BOT 3373C Vascular Plants: Form and Function (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. Introduction to morphology, physiology and evolution of vascular plants, integrating form and function to understand diversity. Lec.-lab.

BOT 3850 Medical Botany (3) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2210, MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. Study of agents that are produced by plants and that are toxic or psychoactive in human beings or are useful as remedies. Lecture only.

BOT 4152C Field Botany (3) AS BIO

PR: BOT 3373C. Identification and classification of native and naturalized flowering plants of Florida including historical, climatic and floristic aspects of plant communities. Conducted largely in the field.

BOT 4223C Plant Anatomy (3) AS BIO

PR: BOT 3373C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 & CHM 2211. Comparative studies of tissue and organ systems of fossil and present-day vascular plants. Functional and phylogenetic aspects stressed. Lec.-lab.

BOT 4434C Mycology (3) AS BIO

PR: BOT 3373C or MCB 3020C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec.-lab.

BOT 4503 Plant Physiology (3) AS BIO

PR: BOT 3373C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and PHY 2053. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 & CHM 2211. Fundamental activities of plants; absorption, translocation, transpiration, metabolism, growth and related phenomena. Lecture only.

BOT 4503L Plant Physiology Laboratory (1) AS BIO

CP: BOT 4503. Laboratory portion of Plant Physiology.

BOT 4810C Economic Botany (3) AS BIO

PR: BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, and medicines.

BOT 5185C Marine Botany (4) AS BIO

PR: BOT 3373C, PCB 3043 and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and CI. CP: CHM 2211. A field course in marine plants with emphasis on ecology and functional morphology. Fieldwork will stress the ecological aspects of plants in the subtropical marine environment of Florida. Fieldwork required. Lecture and Laboratory.

BOT 5725C Evolution of Flowering Plants (3) AS BIO

PR: BOT 3373C and BOT 4152C or CI. A study of the evolution and phylogeny of the Angiosperms; the origin and nature of early angiosperms, "primitive" angiosperms today; evolutionary processes leading to the origin of genera, families and orders, trends of specialization in the angiosperms; phylogenetic analysis, cladistics, traditional approaches, new approaches; readings from the current and historical literature. Lec/Lab.

BSC 1005 Principles of Biology For Non-Majors NS (3) AS BIO

No credit for Biology majors. Lectures and demonstrations of selected biological principles, usually taught by television.

BSC 1020 The Biology of Humans NS (3) AS BIO

[This non-science majors] course deals with the principles and applications of human biology. Topics include: scientific literacy, cell structure and function, anatomy and physiology, genetics, infectious diseases, and biotechnology.

BSC 2010 Biology I - Cellular Processes NS (3) AS BIO

CR: BSC 2010L. CP: CHM 2045. An analysis of biological systems at the cellular and subcellular levels: cell structure and function, respiration, photosynthesis, mitosis and meiosis, genetics and gene expression.

BSC 2010L Biology I Cellular Processes Laboratory (1) AS BIO

CR: BSC 2010. Laboratory portion of Biology I Cellular Processes relating to cellular and subcellular structure and function. Mitosis, meiosis, and Mendelian genetics will be stressed.

BSC 2011 Biology II - Diversity NS (3) AS BIO

PR: BSC 2010, BSC 2010L, CHM 2045. CR: BSC 2011L. An analysis of biological systems at the organismal level: evolution, speciation, history of life, and ecology. Lecture only.

BSC 2011L Biology II Diversity Laboratory (1) AS BIO

CR: BSC 2011. Laboratory portion of Biology II Diversity relating to organismal structure and function. Microscopy, as well as, plant and animal development will be stressed.

BSC 2022 Biology of Aging NS (3) AS BIO

An introduction to the basic biology of aging. Emphasis will be placed on understanding basic principles of biology relevant to time and the aging process which begins at birth. May be taken by majors for free elective credit.

BSC 2025 Food: Personal and Global Perspectives NS (3) AS BIO

May be taken by biology majors for free elective credit. The application of basic biological principles to human nutritional problems; to learn how various cultures achieve adequate nutrition and how environmental changes impact both personal and global nutrition.

BSC 2030 Save The Planet: Environmental Sciences NS (3) AS BIO

Credit will be given for BSC 2030 or BSC 2050, but not both. An introduction to environmental sciences using mass communications and independent study. Emphasis will be placed on understanding basic principles of ecology relevant to problems and topics of the earth's environment. May be taken by majors for free elective credit.

BSC 2035 Sex and Today's World NS (3) AS BIO

The application of basic biological principles to female and male sexual behavior and reproduction; current social problems are treated from a biological perspective. May be taken by majors for free elective credit.

BSC 2050 Environment NS (3) AS BIO

Credit will be given for BSC 2030 or BSC 2050, but not both. The application of basic scientific principles to global environmental problems; how human activities impact the environment. May be taken by majors for free elective credit.

BSC 2085 Anatomy and Physiology I for Nursing and other Healthcare Professionals NS (3) NU NUR

CR: BSC 2085L. Introduction to the normal structure, function and selected pathological conditions for physiologic systems. Focus on understanding how the body functions in preparing for careers in nursing or health-related professions.

BSC 2085L Anatomy and Physiology Lab I for Nursing and other Healthcare Professionals (1) NU NUR

CR: BSC 2085. Laboratory exercises and virtual dissections linked to the basic content of Anatomy & Physiology I for Health Professionals.

BSC 2086 Anatomy and Physiology II for Nursing and other Healthcare Professionals NS (3) NU NUR

PR: BSC 2085 and BSC 2085L. CR: BSC 2086L. Introduction of normal structure, function and selected pathological conditions for physiologic systems. Focus on understanding how the body functions in preparing for careers in nursing or health-related professions.

BSC 2086L Anatomy and Physiology Lab II for Nursing and other Healthcare Professionals (1) NU NUR

PR: BSC 2085 and BSC 2085L. CR: BSC 2086. Laboratory exercises and virtual dissections linked to the basic content of Anatomy & Physiology II for Health Professionals.

BSC 2093C Human Anatomy and Physiology I (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L and CHM 2045. May be taken by majors for free elective credit only. Basic biochemistry, cell structure and function, tissues, anatomical terminology, anatomy and physiology of the integumentary, skeletal, muscular, and nervous systems. Lecture and Laboratory.

BSC 2094C Human Anatomy and Physiology II (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, BSC 2093C, and CHM 2045. May be taken by majors for free elective credit only. Anatomy and physiology of the autonomic nervous, endocrine, circulatory, lymphatic, immune, respiratory, digestive, excretory, and reproductive systems. Lecture and Laboratory.

BSC 2932 Selected Topics in Biology (1-4) AS BIO

The course content will depend on student demand and instructor's interest.

BSC 2933 Honors Seminar II: Philosophy and Ethics of Science (3) AS BIO

PR: BSC 2011, BSC 2011L, BSC 2932, & CHM 2045 & CI. Enrollment is limited to Department of Biology Honors Students. Introduction to the nature of science. Historical perspectives, modes of reasoning, science vs. pseudoscience, science as an intellectual process, ethics, and resolving dilemmas.

BSC 2934 Honors Seminar III: Scientific Approaches (3) AS BIO

PR: BSC 2933, CI. Enrollment is limited to Department of Biology Honors Students. The course will begin to familiarize students with the process of conducting scientific research.

BSC 2938 Honors Seminar I (1) AS BIO

PR: BSC 2010, BSC 2010L & CHM 2045. CR: BSC 2011, BSC 2011L. Enrollment is limited to Department of Biology Honors students. Course is designed to introduce Honors students to various research fields and current research in the Department. Faculty members present research seminars and discuss their work.

BSC 3312 Marine Biology (3) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course, or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. A survey of the marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is placed on shallow water Florida environments. Lecture only.

BSC 4057 Environmental Issues MW (3) AS BIO

Not for major's credit. Study of biological, economic, ethical, legal, political and social issues relating to current environmental problems.

BSC 4313C Advanced Marine Biology (4) AS BIO

PR: BSC 3312C A detailed analysis of marine environment in the Tampa Bay or surrounding area. Field and laboratory work will provide direct experience with the system.

BSC 4905 Independent Study (1-3) AS BIO

PR: CI. S/U only. May be taken by majors for free elective credit. Specialized independent study determined by the student's needs and interests. The written contract required by the Department of Biology specifies the regulations governing independent study.

BSC 4910 Undergraduate Research (1-4) AS BIO

PR: CHM 2210 and MAC 1105 or higher MAC course or STA 2023 or CI. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. S/U only. Junior standing and 3.0 GPA required. Individual investigation with faculty supervision. Written contract by Department is necessary prior to registration.

BSC 4932 Honors Seminar IV (1) AS BIO

PR: BSC 2934 and BSC 4910 or MCB 4910; CI. CP: CHM 2211. The course serves as a formal introduction to the presentation of scientific research. It is taken in the semester prior to completion of a student's own research project and the writing of the Biology Honors Thesis.

BSC 4933 Selected Topics In Biology (1-4) AS BIO

PR: CI. The course content will depend on student demand and instructor's interest.

BSC 4937 Seminar in Marine Biology (2) AS BIO

PR: BSC 3312C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Course focuses on developing the student's understanding of contemporary research in the field of Marine. Background information presented and assigned reading will vary according to instructor.

BSC 4970 Biology Honors Thesis (1-3) AS BIO

PR: BSC 2934 and either BSC 4931 or BSC 4932. Enrollment is limited to Biology Department Honors students. S/U only. A thesis based on independent research carried out by the student.

BSC 5931 Selected Topics in Biology (1-4) AS BIO

PR: CI.

BTE 4401 Special Teaching Methods: Business Education (4) ED EDV

PR: Successful completion of BE competencies. Methods, techniques, and materials for skill development.

BTE 4909 Directed Study: Business Education (1-3) ED EDV

PR: Senior standing. To extend competency in teaching field.

BTE 4936 Senior Seminar in Business and Office Education (2) ED EDV

PR: Senior standing; CR: BTE 4940. Synthesis of teacher candidate's courses in complete college program.

BTE 4940 Internship: Business Education (1-12) ED EDV

CR: BTE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

BTE 4948 Field-Based Seminar in Business Education (3) ED EDV

S/U only. Supervised field experience and orientation to broad field business education. Specifically designed to be preparatory for the internship.

BTE 5171 Curriculum Construction: Business Education (3) ED EDV

Curriculum scope, the process of planning and organizing instructional programs with emphasis on task analysis and process evaluation.

BUL 3320 Law And Business I (3) BA GBA

This course covers the nature of legal and societal institutions and environments, and major aspects of public, private, UCC and related business law.

BUL 3321 Law And Business II (3) BA GBA

PR: BUL 3320. Legal problems in marketing of goods, nature of property, sales of personal property, securing of credit granted, nature and use of negotiable instruments.

BUL 5332 Law and the Accountant (3) BA GBA

PR: BUL 3320 or CI. A comprehensive study of commercial law as it affects the practice of accounting.

CAP 4034 Computer Animation Fundamentals (3) EN ESB

PR: EEC 4851C. This course is about computer animation. Topics include storyboarding, camera control, hierarchical character modeling, inverse kinematics, keyframing, motion capture, dynamic simulation, and facial animation.

CAP 4401 Image Processing Fundamentals (3) EN ESB

PR: EEL 4851C. Practical introduction to a range of fundamental image processing algorithms. Use of the C language in algorithm construction. Extensive programming, with emphasis on image analysis and transformation techniques. Image transformation and manipulation.

CAP 4410 Computer Vision (3) EN ESB

PR: EEL 4851C. Introduction to topics such as image formation, segmentation, feature extraction, matching, shape recovery, texture analysis, object recognition, and dynamic scene analysis. Non-majors by special permission and demonstration of required skills.

CAP 4660 AI Robotics (3) EN ESB

PR: EEL 4851C; CR: COT 4400 A.I. methods for mobile robots (ground/aerial/underwater). Understand:(1)3 paradigms of AI robotics;(2)major ways to organize and combine behaviors in behavior-based systems;(3)major path planning;(4)simultaneous localization and mapping (SLAM) algorithms.

CAP 5400 Digital Image Processing (3) EN ESB

PR: EEL 4851C or GS. Image formation, sources of image degradation, image enhancement techniques, edge detection operators and threshold selection, low-level processing algorithms for vision, image data compression.

CAP 5625 Introduction to Artificial Intelligence (3) EN ESB

PR: EEL 4851C or GS. Basic concepts, tools, and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, and problem solving strategies.

CAP 5682 Expert And Intelligent Systems (3) EN ESB

PR: EEL 4851C or GS. Basic concepts, techniques and tools for the design and implementation of expert and intelligent systems. Knowledge representation, inference methods, knowledge acquisition methods, and some advanced concepts. Tools to facilitate construction of expert and intelligent systems.

CAP 5771 Data Mining (3) EN ESB

PR: Undergraduate Statistics. An introductory course to mining information from data. Scalable supervised and unsupervised machine learning methods are discussed. Methods to visualize and extract heuristic rules from large databases with minimal supervision is discussed.

CBH 4004 Comparative Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. The study of the evolution of behavior, similarities, and differences in capacities for environmental adjustment and for behavioral organization among important types of living beings.

CCE 4031 Construction Management (3) EN EGX

PR: EGN 3613C. Fundamentals of construction management. Topics include: general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.

CCE 5035 Construction Management & Planning (3) EN EGX

PR: EGN 3613C. Fundamentals of construction management. Topics include: general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.

CCJ 3003 Crime and Justice in America SS (4) AS CJP

May be taken by both majors and non-majors for credit. This course is a non-technical survey of the nature of crime in the United States and the ways in which our society seeks to deal with criminal offenders and victims of crime.

CCJ 3024 Survey of the Criminal Justice System SS (3) AS CJP

An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also includes brief coverage of major reported crimes.

CCJ 3610 Theories of Criminal Behavior (3) AS CJP

PR: Junior standing, CCJ 3024 or CI. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.

CCJ 3621 Patterns of Criminal Behavior (3) AS CJP

PR: Junior standing. Reviews the nature and extent of the crime problem. The course will concentrate on major patterns of offender behavior including crimes against the person, property crimes, violent crimes, economic/white collar offense, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3701 Research Methods in Criminal Justice I (3) AS CJP

PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Introduces the student to some of the fundamentals of knowledge-generating processes in criminal justice.

CCJ 3706 Applied Statistics in Crime (3) AS CJP

This course is designed as a beginning undergraduate level statistics course for criminology majors. In addition to learning how and when to apply appropriate statistical tests, students will learn a number of basic statistical concepts. Majors Only.

CCJ 4450 Criminal Justice Administration (3) AS CJP

PR: Junior standing, CJE 4114 or CJT 4100 or CI. This course is designed to provide an in-depth examination of both the practical and theoretical aspects of the administration of criminal justice agencies. The major focus will be on law enforcement and correctional agencies.

CCJ 4604 Abnormal Behavior and Criminality (3) AS CJP

PR: Junior standing, CCJ 3610 or CI. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

CCJ 4700 Statistical Research Methods in Criminal Justice II (3) AS CJP

PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Beginning with the scientific method, the tools commonly used to analyze criminal justice data will be emphasized. Recommended for students who intend to continue their education beyond the B.A. Required of students attending the MA program in CCJ at USF.

CCJ 4900 Directed Readings (1-3) AS CJP

PR: Junior standing, CCJ 3024, CCJ 3610, CCJ 3621, CI. S/U only. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course.(b) A

minimum of four 4 CCJ courses must have been completed satisfactorily prior to enrollment.(c) First consideration will be given to Criminology majors.(d) Individual faculty members may add additional requirements at their discretion. No more than six hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major. This course is specifically designed to enable advanced students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the close supervision of a faculty member of the program.

CCJ 4910 Directed Research (1-3) AS CJP

PR: Junior standing, CCJ 3024, CCJ 3610, CCJ 3621, CI. S/U only. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course.(b) A minimum of four 4 CCJ courses must have been completed satisfactorily prior to enrollment.(c) First consideration will be given to Criminology majors.(d) Individual faculty members may add additional requirements at their discretion. No more than six hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major. This course is designed to provide students with a research experience in which they will work closely with faculty on the development and implementation of research projects in the area of criminal justice.

CCJ 4930 Critical Issues in Policing (3) AS CJP

PR: Junior standing, CCJ 3024 or CJE 4114 or CI. Focuses on some of the most critical issues in law enforcement today including: understanding and controlling police use of deadly force; police deviance; police prejudice and discrimination; violence-prone police officers; substance abuse by police officers; and administrative review of alleged police brutality.

CCJ 4933 Selected Topics in Criminology (3) AS CJP

PR: Junior standing, CCJ 3024, CCJ 3621, CCJ 3610 or CI. Lecture course. Topic varies and is designed to address a wide variety of issues in criminology and criminal justice. Open to non-majors with CI.

CCJ 4934 Seminar in Criminology MW (3) AS CJP

PR: Senior standing, CCJ 3024, CCJ 3621, CCJ 3610 and CI. These variable topic seminars are used for the in-depth study and discussion of the relationships among culture, gender, ethics, age, society, and criminal behavior. Such examinations may include the options the criminal justice does (or does not) have to deal with these interactions, and the ethics and efficacy of the system's response. Open to non-majors with CI.

CCJ 4940 Internship For Criminal Justice Majors (3) AS CJP

PR: Senior standing, CCJ 3024, CCJ 3610, CCJ 3621. S/U only. No more than 9 hours of CCJ 4940 will be accepted toward the elective hours required for the major. The internship will consist of placement with one or more of the agencies comprising the criminal justice system. This course will enable the students to gain meaningful field experience related to their future careers. The three-hour block of credit will require a minimum of ten hours of work per week during a fall or spring term, fifteen hours per week in summer, within the host agencies in addition to any written work or reading assignments. See requirements for the B.A. degree in Criminology for the number of hours required.

CCJ 4970 Honors Thesis (3) AS CJP

PR: CCJ 4934 (honors section), CCJ 4910 The student, under the direction of a faculty member, will formalize, conduct, analyze, and report in writing a research project in the Department of Criminology. The course is not repeatable. Majors only.

CDA 3101 Computer Organization for Information Technology (3) US EIT

PR: Any Physics course and CGS 3303, or CI. Elements of the computer are discussed in terms of the physical and conceptual design of memory, processors, busses and I/O elements. Organization of the system is cast in a meta-language that captures the logical and physical nature of the computer.

CDA 3103 Computer Organization (3) EN ESB

PR: PHY 2049 or PHY 2054 and DPR. Introduction to computer hardware, logic elements and Boolean algebra, computer arithmetic, the central processing unit, assembly language programming, input/output, and memory.

CDA 3201 Computer Logic and Design (3) EN ESB

PR: CDA 3103, COP 3514; CR: CDA 3201L and Degree Program Admission. CS&E and EE majors. Others by special permission. Advanced coverage of Boolean Algebra, introduction to minimization of combinational logic circuits, analysis and synthesis of sequential circuits, testing of logic circuits and programmable logic devices.

CDA 3201L Computer Logic Design Lab (1) EN ESB

CR: CDA 3201.

CDA 4100 Computer Organization and Architecture (3) EN ESB

PR: EEL 4705. Elements of computer systems; processors, memories and switches. Register transfer representation of a computer. ALUs and their implementation. The control unit. Memory and I/O. Hardware support of operation system functions.

CDA 4203 Computer System Design (3) EN ESB

PR: CDA 3201, CDA 3201L. Design Methods, Top-Down design, Building Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 4203L Computer System Design Lab (1) EN ESB

CR: CDA 4203. This lab introduces the student to the concept of system design. Several projects are given including building timing circuits, memory-based and communication circuits, and microcomputer-based designs.

CDA 4205 Computer Architecture (3) EN ESB

PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALU's and their implementation, control units, memory and I/O, and the hardware support of operation systems.

CDA 4213 CMOS-VLSI Design (3) EN ESB

PR: CDA 3201, CDA 3201L. Covers analysis and design of CMOS processing technology, CMOS logic and circuit design, layout timing and delay, and power and thermal issues. CMOS transistor theory. VLSI system design, case studies and rapid prototype chip design.

CDA 4213L CMOS-VLSI Design Lab (1) EN ESB

PR: CDA 3201, CDA 3201L. CR: CDA 4213. Scalable CMOS layout design, circuit extraction, transistor-level and lay-out level simulation, SPICE parameters/modeling, transistor sizing, standard and macro-cell based layout, static/dynamic CMOS, combinational/sequential block layout, memory I/O design.

CDA 4253 Field Programmable Gate Array System Design and Analysis (3) EN ESB

PR: CDA 3201, CDA 3201L. Covers analysis and design of digital systems using VHDL simulation. Provides experience with field programmable logic gates and gate arrays. Introduces the requirements for field programmable systems; testing of circuitry, and analysis of system design.

CDA 5416 Introduction to Computer-Aided Verification (3) EN ESB

PR: CDA 3201, COT 3100, COT 4400, EEL 4851C. This course introduces basic concepts of formal verification. Topics include formal specification, algorithms, and methodologies for scalable verification. It is only for CSE majors or non-majors with permission from the instructor, not repeatable.

CEG 4011 Geotechnical Engineering I (3) EN EGX

PR: EGN 3353, EGN 3331. Fundamental and experimental concepts in soil mechanics with emphasis on soil properties, soil moisture, soil structure, and shearing strength.

CEG 4011L Geotechnical/Transportation Laboratory (1) EN EGX

CR: TTE 4004. Demonstrates and experiments verifying theoretical bases of Geotechnical and Transportation Engineering. One hour lecture and two laboratory hours per week.

CEG 4012 Geotechnical Engineering II (3) EN EGX

PR: CEG 4011. Design of retaining walls, earth slopes, foundations to control settlement, soil stabilization and foundations subjected to dynamic loads. Computer applications to soil mechanics will be covered.

CEG 4850 Capstone Geotechnical/Transportation Design MW (4) EN EGX

PR: CEG 4055, TTE 4004. CR: CEG 4012, CGN 4851, TTE 4005 A capstone geotechnical/transportation design experience for seniors in Civil and Environmental Engineering. Design of embankment and pavement bases. Comprehensive surface streets, open highway intersection and site design involving functional design, facility sizing, complete alignments and coordination, plan preparation, site layout and design, quantity summarization, bid tab planning and specification preparation.

CEG 5115 Foundation Engineering (3) EN EGX

PR: CEG 4011 or CI. Design of shallow foundations, cantilevered and anchored retaining walls, piling, drilled piers and special foundations. Computer applications to geotechnical engineering are covered.

CEG 5205 Laboratory Testing for Geotechnical Engineers (3) EN EGX

PR: CEG 4011 or CI. Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and application of results to design.

CEN 3722 Human Computer Interfaces for Information Technology (3) US EIT

Human-Computer Interface is the study of people, computer technology and the ways these influence each other. The basic foundations of HCI in terms of psychology, computer systems and their integration into design practice are discussed in the course.

CEN 4020 Software Engineering (3) EN ESB

PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Student will participate in a software development team.

CEN 4023 Software System Development (3) EN ESB

PR: EEL 4851C. Consideration of object methodology and object oriented programming. Team analysis, design, and development of complex software systems using software development tools.

CEN 4031 Software Engineering Concepts for Information Technology (3) US EIT

PR: EEL 4854 or CI. Concepts associated with production of high quality software through the use of software engineering concepts and practices are covered. In addition to conceptual presentations, students are required to participate in software development team projects.

CEN 4721 User Interface Design (3) EN ESB

PR: EEL 4851C. An examination of factors influencing the usability of a computer system. Topics include input and output devices, graphic and multi-media interfaces, formats for interaction/communication between computer and user, and the evaluation of usability.

CES 3102 Structures I (3) EN EGX

PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Moment area theorems; influence lines; introduction to steel design.

CES 4141 Finite Element Analysis I (3) EN EGX

PR: CES 3102. Introduction to the finite element method. Application of the method to one-dimensional structural problems. Virtual work principles. Analysis of trusses and frames using the displacement method and the force method. Energy principles. Matrix methods for computer analysis. Programming methods for finite elements implementation.

CES 4561 Computer Aided Structural Design (3) EN EGX

PR: CES 4141. Computer aided structural analysis and design using existing finite element program, static dynamic loading.

CES 4605 Concepts of Steel Design (3) EN EGX

PR: CES 3102. Introduction to steel design and AISC Manual of Steel Construction: Design of tension members; compression members; beams; beam columns; and bolted, welded, and riveted connections.

CES 4702 Concepts of Concrete Design (3) EN EGX

PR: CES 3102. Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete: Design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns.

CES 4704 Capstone Structural/Materials Design (3) EN EGX

PR: EGN 3365, CES 4605, CES 4702. A Capstone Materials design experience for seniors in Civil and Environmental Engineering. This course will provide students with a focused design experience aimed to design for durability and reliability.

CES 4742 Concepts of Structural Design (3) EN EGX

PR: CES 3102. Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete; design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns, and design of steel beams.

CES 4750 Capstone Structural/Geotechnical/ Material Design MW (4) EN EGX

PR: EGN 3365, CES 4605, CES 4702, CEG 4011. CR: CEG 4012, CGN 4851, TTE 4005 A capstone structural/ geotechnical/ materials design experience for seniors in Civil and Environmental Engineering. Design of structures and foundations made of steel and reinforced concrete.

CES 4820C Timber and Masonry Design (3) EN EGX

PR: CES 3102, CES 4702. Fundamentals of timber design including beams, columns, connections and formwork. Introduction to masonry design including design of beams, walls, columns, and pilasters.

CES 5105C Advanced Mechanics of Materials I (3) EN EGX

PR: EGN 3331, MAP 2302 Analytical study of the mechanical behavior of deformable solids. Basic concepts, stress and strain transformations, special topics in beams, theory of elasticity, criteria of failure, beams on elastic foundation.

CES 5209 Structural Dynamics (3) EN EGX

PR: CES 3102, EGN 3321. Behavior of structural components and systems when subjected to periodic dynamic loads.

CES 5715C Prestressed Concrete (3) EN EGX

PR: CI, majors only. Fundamental principles of prestressing; calculation of losses; stress analysis and design of simple beams for flexure and shear. Examples of pressures applications.

CGN 3021L Civil Engineering Laboratory (2) EN EGX

PR: CES 3102, EGN 3353, EGN 3365. A laboratory experience in departmental facilities including the subject areas of materials, fluids, environmental engineering, and computer assisted data acquisition.

CGN 4122 Professional and Ethical Issues in Engineering MW (3) EN EGX

The professional and ethical responsibility of engineers. The legal and ethical responsibilities of engineers in the preparation of contracts and specification. The ethics of engineer-client agreements.

CGN 4851 Concrete Construction Materials (3) EN EGX

PR: EGN 3365. Classifications and production of cements. Design and testing of concrete mixes to produce desired properties.

CGN 4905 Independent Study (1-5) EN EGX

PR: CC. S/U only. Specialized independent study determined by the students' needs and interests.

CGN 4911 Research in Civil Engineering and Environmental Engineering (1-4) EN EGX

PR: CC. Research course in civil and environmental engineering concepts.

CGN 4914 Senior Project (2-5) EN EGX

PR: CI. Problem-solving experience and training for seniors in research and/or design projects. Written final reports are required.

CGN 4933 Special Topics in Civil and Environmental Engineering (1-5) EN EGX

PR: CI. New technical topics of interest to civil engineering students.

CGN 5933 Special Topics in Civil Engineering and Mechanics (1-5) EN EGX

PR: CI. New technical topics of interest to civil engineering students.

CGS 2034 Computers and Impact on Society SS (3) EN ESB

This course surveys current technology, and its application to various other disciplines. The course includes technical descriptions and protocols for computers. The course compares interdisciplinary applications between fields using technology.

CGS 2060 SC Introduction to Computers and Programming in Basic 6A (3) EN ESB

No credit for Engineering Majors. An overview of computer systems and their role in society. Survey of the evolution of computer software and hardware technology with emphasis on current applications. Introduction to programming using the BASIC language.

CGS 2062 Computers And Society (3) EN ESB

No credit for Engineering Majors. For non-engineering majors only. This computer literacy course covers the fundamentals of hardware, software, and programming languages, presents a broad overview of data processing concepts, problems and applications for students with little or no computing background.

CGS 2094 CyberEthics AF SS (3) EN ESB

Many ethical issues, e.g. privacy, freedom of speech, security, intellectual property, and workplace globalization, are impacted by computing and related technology. These issues are examined from theoretical, cultural, and geopolitical perspectives.

CGS 2100 Computers In Business (3) BA QMB

A study of the use and impact of computers in all areas of business organizations. Course includes hands-on experience and the use of software packages for business analysis.

CGS 2935 Special Topics in General Computer Studies (1-3) EN ESB

Courses are one-time topics in general computer studies, applicable to all students. Specific course titles will be specified when the course is posted on the schedule.

CGS 3303 IT Concepts (3) US EIT

PR: Any PHY course. A lecture and problem solving course which deals with subjects related to computers and information technology. A broad range of conceptual and practical topics in IT are covered.

CGS 3823 IT Web Design (3) US EIT

PR: COP 2510 or equivalent. An overview of how the Internet and the WWW evolved, and how Electronic Commerce is supported by web pages. The student will do exercises relative to HTML, and how browsers show that code. The student will also learn to use web page development packages.

CGS 3845 Electronic Commerce (3) US EIT

PR: COP 2510 or equivalent. An overview of how E-Commerce evolved, what EC is; how it is being conducted and managed; its major opportunities, issues, and risks. Discussions include: The Internet, intranets, firewalls, etc. Exercises will use various Web and software and packages.

CGS 5765 Introduction to Unix and C (3) EN ESB

No credit for Department of Computer Science & Engineering majors. Unix operating system. Internet resources. Netscape, WWW and HTML. ANSI C language, syntax. Arrays and pointers. Iterations and recursions. Header files and macros. C libraries. Structuring data. File I/O.

CHI 1120 Modern Chinese I (4) AS WLE

CR: CHI 1120L. Mandarin. An intensive study of basic skills: pronunciation, listening, comprehension, speaking, and some composition.

CHI 1120L Modern Chinese I Laboratory (1) AS WLE

CR: CHI 1120. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

CHI 1121 Modern Chinese II (4) AS WLE

CR: CHI 1121L. Mandarin. PR: CHI 1120 or equivalent. A continuation of CHI 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

CHI 1121L Modern Chinese II Laboratory (1) AS WLE

CR: CHI 1121. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

CHI 2220 Modern Chinese III (4) AS WLE

PR: CHI 1121 or the equivalent. For language students who intend to attain basic proficiency.

CHI 2221 Modern Chinese IV (4) AS WLE

PR: CHI 2220 or the equivalent. Continuation of CHI 2220. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

CHI 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion.

CHM 2023 Chemistry for Today NS (4) AS CHM

PR: High school chemistry and mathematics including algebra are recommended. No credit for science majors. An introduction to the principles and applications of modern chemistry including the properties of matter, structural view of matter and reactions, quantitative relations in chemical reactions, technological aspects and societal impact.

CHM 2032 Introduction to General, Organic and Biochemistry I (4) AS CHM

No credit for science majors. Fundamental concepts of general, organic, and biological chemistry.

CHM 2045 General Chemistry I NS (3) AS CHM

PR: 530 SAT Quantitative score or completion of MAC 1105 College Algebra with a C or better AND one year of high school chemistry or completion of CHM 2023 with a grade of C or better. Principles and applications of chemistry including properties of substances and reactions, thermochemistry, atomic-molecular structure and bonding, periodic properties of elements and compounds.

CHM 2045L General Chemistry I Laboratory (1) AS CHM

CP: CHM 2045. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046 General Chemistry II NS (3) AS CHM

PR: CHM 2045 or CHM 2045L or equivalent. Continuation of General Chemistry. Lec.-dis.

CHM 2046L General Chemistry II Laboratory (1) AS CHM

PR: CHM 2045L. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.

CHM 2200 Organic Chemistry (4) AS CHM

PR: CHM 2046 or equivalent. Fundamental organic chemistry principles. Structure, nomenclature, properties, preparation, reactions of hydrocarbons, alkyl halides, alcohol, phenols, ethers, sulfur analogs and other compounds. A one-semester course.

CHM 2210 Organic Chemistry I (3) AS CHM

PR: CHM 2046, CHM 2046L. Fundamental principles of organic chemistry. Lecture.

CHM 2210L Organic Chemistry Laboratory I (2) AS CHM

CP: CHM 2200 or CHM 2210. Laboratory portion of Organic Chemistry I. Introduction of organic laboratory principles and techniques.

CHM 2211 Organic Chemistry II (3) AS CHM

PR: CHM 2210 or equivalent. Continuation of organic chemistry. Lecture.

CHM 2211L Organic Chemistry Laboratory II (2) AS CHM

PR: CHM 2210L, CR: CHM 2211. Continuation of organic chemistry laboratory.

CHM 2932 Selected Topics in Chemistry (1-3) AS CHM

Topics of interest to students relating to chemistry and other sciences.

CHM 3120C Elementary Analytical Chemistry (4) AS CHM

PR: CHM 2046, CHM 2046L. Fundamentals of gravimetric, volumetric, spectrophotometric analysis. Lec.-lab.

CHM 3400 Elementary Physical Chemistry I (3) AS CHM

PR: CHM 2046, CHM 2046L, MAC 2281 or MAC 2311, PHY 2054, PHY 2054L. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

CHM 3610 Intermediate Inorganic Chemistry (3) AS CHM

PR: CHM 2046, CHM 2046L. Fundamental principles of inorganic chemistry including atomic structure, bonding theories and structural consequences, transition metal chemistry and illustrative laboratory work. Lec.-lab.

CHM 3610L Intermediate Inorganic Chemistry Laboratory (1) AS CHM

PR: Two semesters of general chemistry lecture and lab. CR: CHM 3610. Illustrative laboratory work concerning the fundamental principles of inorganic chemistry including atomic structure, bonding, transition metal chemistry, structural consequences and spectroscopic methods.

CHM 4060 Use of the Chemical Literature (1) AS CHM

PR: CHM 2045, CHM 2046, CHM 2210, CHM 2211. Discussions and assignments using abstracts, bibliographies, indices, encyclopedias, journals, patent files, electronic databases, and other information sources to obtain chemical and technical material and including written and oral presentations. Career information and opportunities also discussed.

CHM 4070 Historical Perspectives in Chemistry 6A MW (3) AS CHM

PR: One year of college chemistry; or senior standing and CI. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

CHM 4130C Methods of Chemical Investigation I (4) AS CHM

PR: CHM 3120C, CHM 2211, CHM 2211L, CHM 4060, CHM 4410. Theory and applications of instrumental methods in chemical research, chemical synthesis and analysis; electrochemical and calorimetric

techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

CHM 4131C Methods of Chemical Investigation II (4) AS CHM

PR: CHM 4130C. Continuation of CHM 4130C.

CHM 4300 Biomolecules I (3) AS CHM

PR: CHM 2211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems. Lec.

CHM 4410 Physical Chemistry I (4) AS CHM

PR: CHM 2046, MAC 2242 or MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Thermodynamics, the state of matter and solutions are presented. The course includes a recitation.

CHM 4410L Physical Chemistry Laboratory (1) AS CHM

PR: CHM 4410. A physical chemistry laboratory with emphasis on modern techniques and instruments. Lab.

CHM 4411 Physical Chemistry II (4) AS CHM

PR: CHM 2046, MAC 2242 or MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Introduction to quantum mechanics and molecular spectroscopy. Chemical Kinetics and statistical mechanics are also presented.

CHM 4412 Physical Chemistry III (3) AS CHM

PR: CHM 4410. Electrochemistry, kinetic theory of gases, chemical kinetics, surface and nuclear chemistry. Lec.

CHM 4413 Biophysical Chemistry (3) AS CHM

PR: CHM 2046, MAC 2242 or MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. This course will cover spectroscopy, bonding and kinetics with emphasis placed on biological molecules and biochemical reactions.

CHM 4611 Advanced Inorganic Chemistry (3) AS CHM

PR: CHM 3610C and CHM 4410 or CI. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.

CHM 4905 Independent Study (1-3) AS CHM

PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

CHM 4932 Selected Topics in Chemistry (1-3) AS CHM

PR: CI. The course content will depend on the interest of faculty members and student demand.

CHM 4970 Undergraduate Research (1-3) AS CHM

PR: CI. S/U only.

CHM 5225 Intermediate Organic Chemistry I (3) AS CHM

PR: CHM 2211, CHM 2211L, or equivalent or CI or GS. This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.

CHM 5226 Intermediate Organic Chemistry II (3) AS CHM

PR: CHM 5225 or CI. An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec. Semester II.

CHM 5425 Applications in Physical Chemistry (3) AS CHM

PR: CHM 4412 and CHM 4410 or CI or GS. Applications of chemical theory to chemical systems.

CHM 5452 Polymer Chemistry (3) AS CHM

PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. Fundamentals of polymer synthesis, structure, properties, and characterization.

CHM 5621 Principles of Inorganic Chemistry (3) AS CHM

PR: CHM 4411, CHM 4610 or CI or GS. Chemical forces, reactivity, periodicity, and literature in organic chemistry; basic core course. Lec.

CHM 5931 Selected Topics in Chemistry (1-3) AS CHM

PR: CI. The following courses are representative of those that are taught under this title: Natural Products, Stereochemistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Heterocyclic Chemistry, etc.

CHS 4300 Fundamentals of Clinical Chemistry (3) AS CHM

PR: BCH 3023. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Lec.

CHS 4301L Clinical Laboratory (2) AS CHM

PR: BCH 3023 and CI, CHM 3120C. Laboratory experience in some of the most important clinical determinations. Lec.-Lab.

CIS 3360 Principles of Information Security (3) US EIT

PR: Admission to BSAS Concentration. Board review of Information Security and related elements. Includes terminology, history of the discipline, overview of information security program management. Suitable for IS, criminal justice, political science, accounting information systems students

CIS 3362 Cryptography and Information Security (3) US EIT

PR: MAD 2104 or permission of instructor. This course examines classical cryptography, entropy, stream and block ciphers, public key versus symmetric cryptography, one-way and trap-door functions, plus other specific tools and techniques in popular use.

CIS 3367 Architecting Operating System Security (3) US EIT

PR: CIS 3360 or permission of instructor. This course examines tools and techniques for securing Windows and Linux operating systems. Students will acquire knowledge and skills to perform audit assessments and implement enterprise-wide operating system security.

CIS 3932 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored.

CIS 4250 Ethical Issues And Professional Conduct 6A MW (3) EN ESB

PR: Senior standing in the Department of Computer Science and Engineering. An introduction to ethical issues arising in the computer sciences, through written analysis and oral presentations of technical situations which involve ethical conflicts.

CIS 4253 IT Ethics 6A MW (3) US EIT

PR: Basic computer skills. This course will cover issues that arise from the world of online communication and its impact on our daily lives through education, processes, and information. Class discussions cover various technologies and issues that are shaping our society.

CIS 4361 Information Technology Security Management (3) US EIT

PR: Junior standing or above. An overview of information security management techniques and concerns is presented. Topics include: Access control systems, telecommunications and network security, security management practices, application and systems development security, cryptography, disaster recovery planning, legal and ethical issues, and physical security.

CIS 4364 Cryptology and Information Security (3) EN ESB

PR: EEL 4851C. CP: COP 4600. Covers the fundamentals of computer security. The following topics are addressed: Network Security, Cryptography, Access Control, Security Architecture and Models, Applications and Systems Development, Vulnerability Assessment.

CIS 4365 Computer Security Policies and Disaster Preparedness (3) US EIT

PR: CIS 3360. When an organization's functioning is interrupted by disasters, accidents, or natural events, a loss of data and/or productivity may occur. The impact on the organization is determined by how prepared it is for dealing with these disruptions.

CIS 4412 Information Technology Resource Management (3) US EIT

PR: Junior standing or above. An overview of the information resource management function, with emphasis on information systems management, is covered. Topics include planning, organizing and controlling user services, managing information system development process, and the fundamentals of EDP auditing.

CIS 4510 I.T. Project Management (3) US EIT

PR: CI. This course covers the general aspects of project management and emphasizes the important, special considerations which apply to information technology projects. Supporting software is used extensively.

CIS 4900 Independent Study In Computer Science (1-5) EN ESB

PR: EEL 4851C or CDA 3201 and CI. S/U only. Specialized independent study determined by the needs and interests of the student.

CIS 4910 Computer Science Project (2) EN ESB

PR: EEL 4851C. Projects intended to develop individual interests and abilities in computer science involving either computer hardware or software aspects of a well defined proposal.

CIS 4930 Special Topics in Computer Science I (1-4) EN ESB

PR: EEL 4851C or CDA 3201 and CI.

CIS 4932 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored.

CIS 4935 Senior Project in Information Technology (3-5) US EIT

PR: Senior Standing in Information Technology. Graduates of the IT program must complete a major project dealing with a sub-domain of IT. Projects are supervised by a faculty member, or an approved industrial mentor. Projects range from design to programming, to implementations associated with IT.

CJC 4010 American Correctional Systems (3) AS CJP

PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

CJC 4166 Alternatives to Incarceration (3) AS CJP

PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment approaches.

CJE 3444 Crime Prevention (3) AS CJP

PR: CCJ 3024, CCJ 3610. The aim of this course is to introduce students to the theories and constructs of crime prevention and reduction, as well as techniques and policies used currently worldwide that would enhance US response to crime and justice. No restriction, not repeatable.

CJE 3641 Introduction to Forensic Science (3) AS CJP

This course provides students an appreciation of 'real life' forensic science and its role in the justice system. The class introduces students to the scientific techniques employed by the forensic science community. Not restricted or repeatable.

CJE 3656 Introduction to Crime Analysis (3) AS CJP

PR: CCJ 3701, CJE 3444, CCJ 3706. An introduction to the field of crime analysis; the use of Geographic Information Systems (GIS); crime mapping techniques. Not restricted. Not repeatable.

CJE 4010 Juvenile Justice System (3) AS CJP

PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Provides coverage of the juvenile and family courts, their clientele, and the complex of human services agencies and facilities that contribute to efforts at juvenile correctional intervention.

CJE 4144 Private Security Systems (3) AS CJP

PR: Junior standing plus CJE 4114, CCJ 3024, CCJ 3610, CCJ 3621 or CI. Examines some of the principal methods and techniques currently used to reduce or prevent losses due to theft and casualty.

CJL 3110 Substantive Criminal Law (3) AS CJP

PR: Junior standing, CCJ 3024, CCJ 3610, or CI. Examines the historical basis of the American criminal law system, the substantive elements of the crime, and court procedures.

CJL 3502 Introduction to Courts (3) AS CJP

Offers understanding of process & functions of US court system. Define & identify different aspects of law & crime; examine aspects of Federal & State court systems; trial process; examine roles of court workers; sentencing. Not restricted or repeatable.

CJL 4115 Environmental Law and Crime (3) AS CJP

PR: Junior standing, CCJ 3024 or CI. The course provides students with an introduction to issues in the area of environmental crime and environmental law.

CJL 4410 Criminal Rights and Procedures (3) AS CJP

PR: Junior standing, CCJ 3024 or CI. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.

CJT 4100 Criminal Investigation (3) AS CJP

PR: CCJ 3024 or CCJ 3610 or CI. Covers the major components of criminal investigation, with special attention to the scientific aspects of criminal investigation and the management of major cases.

CLA 3103 Greek Civilization HP (3) AS WLE

Study of Greek Civilization from its beginning to the Roman period, with emphasis on social customs, political institutions, and daily life.

CLA 3124 Roman Civilization HP (3) AS WLE

Study of Ancient Roman Civilization with emphasis on social customs, political institutions, and daily life.

CLA 3501 Women in Antiquity 6A LW (3) AS WLE

The life of women in the ancient Greek and Roman world, through lecture, video, and slide presentations. The course is not restricted to majors and cannot be repeated for credit.

CLA 3930 Selected Topics (3) AS WLE

An examination of various aspects of Greek and Roman Culture, based on ancient sources, literary and archaeological. Repeatable as topics vary.

CLA 4930 Selected Topics (1-4) AS WLE

Course content depends on student demand and instructor's interest and may range over the whole field of ancient languages, literatures and civilizations. Offerings on a semi-regular basis include Tongues of the Bible and the Bible as History.

CLP 2001 Psychology of Adjustment SS (3) AS PSY

Genetic, organic, and learned factors involved in the processes of personal adjustment; applications of mental health principles to everyday living.

CLP 4143 Abnormal Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Descriptions, theoretical explanations, research evidence, and treatment of maladaptive behavior.

CLP 4414 Behavior Modification (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Introduction to behavior analysis, and application of learning principles, behavioral measurement, research designs, and interventions in treatment settings.

CLP 4433 Psychological Tests and Measurement (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Students may not receive credit for both CLP 4433 and EDF 4430. A consideration of the instruments for intellectual and personality assessment including their applications, development, and potential abuses.

CLP 4941 Community Practicum in Selected Topics (1-9) AS PSY

PR: C or better in PSY 4931, junior standing and at least 6 hours in Psychology. Service-learning for student to apply psychological principles learned in the classroom to volunteer experiences. Community is defined at the local, national and international level. Free-standing practicum or with a corequisite course.

CLT 2043 Wordpower from Latin and Greek (3) AS WLE

Study of Greek/Latin elements as a means of building English vocabulary. Examination of Greek/Latin-based terminology from various scientific fields, its adoption into English and current usage. Attention given to Greek/Latin stems, prefixes, suffixes.

CLT 3040 Scientific and Medical Terminology (3) AS WLE

A course in the Greek and Latin word elements used in science and technology.

CLT 3103 Greek Literature in Translation 6A MW (3) AS WLE

Reading and discussion of major works in Greek literature. Special emphasis on the Iliad, the dramatists Aeschylus, Sophocles, Euripides and Aristophanes. Some attention is given to the social and political background of the works. All readings are in English.

CLT 3123 Roman Literature in Translation 6A MW (3) AS WLE

Reading and discussion of major works in Roman literature. Special emphasis is placed on the Aeneid, comedy and satire. Some attention is given to the political background of the works. All readings are in English.

CLT 3370 Classical Mythology HP (3) AS WLE

Study of Greek and Roman myths embodied in classical literature and of their impact on Western civilization. All readings are in English.

CNT 3403 Network Security and Firewalls (3) US EIT

PR: EEL 4782. This course surveys network security standards and emphasizes applications that are widely used on the Internet and for corporate networks. This course also examines Firewalls and related tools used to provide both network and perimeter security.

COM 2000 Introduction to Communication SS (3) AS SPE

Introduction to the roles, contexts, and issues in contemporary human communication. Required of Communication majors.

COM 3014 Communication, Gender and Identity (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Examines the communicative origins and implications of gender roles.

COM 3110 Communication For Business and the Professions (3) AS SPE

For non-majors only. Identification of communication situations specific to business and the professions. Analysis of variables related to communication objectives and preparation of oral presentations in the form of informational reports, conference management, persuasive communications, interviews, and public hearing.

COM 3120 Organizational Communication (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). A survey of communication concepts which impact upon organizational effectiveness.

COM 3122 Interview Communication (3) AS SPE

A study of communication theory relative to persuasive interviewing with an emphasis on career interview situations.

COM 3413 Communication and Visual Culture (3) AS SPE

PR: COM 2000. Examines the nature and practices of seeing as fundamental to communication with special emphasis on cultural and rhetorical implications of visual practices in aesthetic, political, and social arenas.

COM 4016 Public Memory (3) AS SPE

PR: COM 2000, SPC 2541. Exploration of collective memory as public communication. Examines public memory as created and communicated in memorials, museums, mediated history, nostalgia, and story. For majors; nonmajors by permit. Not repeatable for credit.

COM 4020 Communicating Illness, Grief, and Loss 6A (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Focus on stories of illness, grief, and loss to make sense of these experiences; to understand the cultural and rhetorical influences on how stories are told; and to explore the context of everyday life, romantic relationship, families, institutions, and culture in which they occur.

COM 4021 Family Communication and the End of Life (3) AS SPE

PR: COM 2000, SPC 3301. Explores theories and practices of family communication at end-of-life through language, relationships, bioethics, and case analysis techniques. For majors; nonmajors by permit only. May not be repeated for credit.

COM 4022 Health Communication (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Application of communication theory and research to the health context including provider-patient communication, health information campaigns, and health beliefs and behavior. Special attention to the value issues in health communication.

COM 4030 Women and Communication 6A MW (3) AS SPE

Examines women's patterns of communication in a variety of contexts. Also offered under Women's Studies.

COM 4050 Globalization and Democratic Discourse (3) AS SPE

PR: COM 2000, SPC 2541. Examines rhetoric of globalization and democracy from communication perspectives, especially the discourses of war, terrorism, nationalism, and security. For majors; nonmajors by permit only. Not repeatable for credit.

COM 4104 Communication, Tourism, and Travel (3) AS SPE

PR: COM 2000, ORI 2000. Focuses on cultural, experiential, and performative practices and meanings of travel and tourism as sites of communication inquiry. Majors only; nonmajors by permit. Not repeatable for credit.

COM 4124 Communication and Organizational Change (3) AS SPE

PR: COM 2000 with C or above and COM 3120 or consent of instructor (CI). An advanced course covering current issues in organizational transformation (e.g., organizational dialogue, learning organizations, reengineering, work teams), and the role communication processes play in such changes.

COM 4702 Communication, Language, and Mental Illness (3) AS SPE

PR: COM 2000, SPC 3301. Explores intersection of mental illness and communication as language, talk-in-interaction, and discourse as social practice. For majors; nonmajors by permit. May not be repeated for credit.

COM 4710 Writing Lives 6A (3) AS SPE

PR: Junior/Senior standing or CI. Emphasizes writing stories about our lives and the lives of others as a way to understand, cope with and communicate social experiences.

COM 4942 Communication Intern Seminar (3) AS SPE

PR: Communication major, minimum GPA 3.0, 75 hours completed, 15 hours of core requirements and 9 elective hours completed, and CI. Seminar provides students with an opportunity to put into practice concepts and skills acquired in their study of communication. Weekly seminar sessions augment intern experience. Application for seminar must be submitted one semester prior to seminar offering.

COM 5930 Topics in Communication Studies (3) AS SPE

Topical issues in communication.

COP 1930 Special Topics for Information Technology (1-3) US EIT

Special topics course.

COP 2120 SC Cobol Programming I (3) EN ESB

Analysis of ANSI Standard COBOL language elements. Development of file structures and commercially oriented applications.

COP 2121 SC Cobol Programming II (3) EN ESB

PR: COP 2120. Advanced applications of ANSI Standard COBOL. Development of subroutines, relative I-O and data base applications as used in a comprehensive data processing environment.

COP 2270 Programming in C for Engineers (3) EN ESB

PR: MAC 2281, MAC 2311 or MAC 2241. This class prepares students to use the C programming language and the MATLAB environment to develop solutions to small scale scientific and engineering problems.

COP 2510 Programming Concepts (3) EN ESB

PR: MAC 2281 or equivalent. An examination of a modern programming language emphasizing programming concepts and design methodology.

COP 2930 Special Topics for Information Technology (1-3) US EIT

Special topics course.

COP 2931 Special Topics for Information Technology (1-3) US EIT

Special topics course.

COP 3173 Visual Basic for Experienced Programmers (3) EN ESB

PR: COP 3514. Program design and development using the Visual Basic language and application development tools. Application development using advanced programming techniques where visual presentation is a priority element.

COP 3257 JAVA for Experienced Programmers (3) EN ESB

PR: COP 3514 or equivalent. Program design and development using the JAVA programming language. Comparison of program design in a procedural language (C recommended) versus design in the JAVA language. Application development using advanced programming techniques.

COP 3331 Object Oriented Software Design (3) EN ESB

PR: COP 3514 Design of a computer program using an Object-Oriented programming language. Extension of programming knowledge from a procedural language to an object-oriented language. Analysis of program requirements.

COP 3514 Program Design (3) EN ESB

PR: COP 2510 or comparable introductory programming course and DPR. The class extends students' programming knowledge by systematically considering the concepts involved in program design and creation. Students will also build upon their previous programming experience by learning to use the C programming language in a networked environment.

COP 3515 Program Design for Information Technology (3) US EIT

PR: COP 2510 or CI. Concepts associated with the design and implementation of computer programs are studied, with emphasis on creation of programs to be developed and maintained in a variety of environments from small to large information technology organizations.

COP 3931 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored.

COP 4020 Programming Languages (3) EN ESB

PR: EEL 4851C. An introduction to programming languages, survey of language types and design of translators and interpreters.

COP 4313 Symbolic Computations in Mathematics 6A (3) AS MTH

PR: MAS 3105 and MAP 2302. Students will write programs to solve problems in various areas of mathematics including calculus and linear algebra with symbolic programming systems such as Maple, Mathematica, or Macsyma.

COP 4600 Operating Systems (3) EN ESB

PR: EEL 4851C. Introduction to systems programming. Design of operating systems. Concurrent processing, synchronization, and storage management policies.

COP 4610 Operating Systems for Information Technology (3) US EIT

PR: EEL 4854 or CI. Introduction to concepts and practices of modern operating systems. Topics include process, parallelism, memory management, resource allocation and file systems. Algorithms are used to understand many of the concepts associated with operating systems.

COP 4610L Operating Systems Laboratory for Information Technology (1) US EIT

PR: EEL 4854 or CI. Implementation and evaluation of models discussed in the lecture part of the course. Students implement operating system algorithms in stand-alone mode, and modify real operating system code. Students implement and test algorithms in a lab environment.

COP 4703 Database Systems for Information Technology (3) US EIT

CR: EEL 4854 or CI. Fundamentals of database management systems are presented, covering relational, CODASYL, network, hierarchical, and object-oriented models. Topics include basic design concepts, analysis of efficiency as well as actual implementations of such systems.

COP 4814 Web Services (3) US EIT

PR: CI. The Web services model, based on the Open Standards of SOAP, WSDL, and UDDI, is studied and applied.

COP 4816 XML Applications (3) US EIT

PR: CI. Completion of prerequisites for admission to IT program. This course introduces eXtensible Markup Language (XML), a technology for exchanging structured information over the Internet, and examines a sampling of its many applications.

COP 4834 Data-Driven Web Sites (3) US EIT

PR: CI. Completion of prerequisites for admission to IT program. Junior standing or above. This course builds on students' knowledge of Web development and databases by adding server-side scripting using the PHP language to interact with the MySQL database system to build transaction processing and report generating systems over the Internet.

COP 4835 Web Development Tools (3) US EIT

PR: CI. This course builds on web design concepts and extends them to build and maintain complete Web Sites using the current de facto industry-standard integrated web site development environment/applications.

COP 4930 Information Technology Seminar (1-3) US EIT

PR: Senior standing in Information Technology. A survey of current Information Technology topics are covered to keep the IT student abreast of the variety of domains associated with their major. Speakers with a wide variety of IT experience will give seminars to senior IT students.

COP 4931 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored.

COT 3100 Introduction to Discrete Structures (3) EN ESB

PR: MAC 2281 or equivalent. Introduction to set algebra, propositional calculus and finite algebraic structures as they apply to computer systems.

COT 4115 Advanced Discrete Structures with Cryptology (3) EN ESB

PR: EEL 4851C, COT 3100. Advanced topics in discrete mathematics: number theory, groups, rings and fields, finite fields, and combinatorics, as applied to computer systems. Theoretical application of mathematic concepts to coding theory and cryptology.

COT 4210 Automata Theory and Formal Languages (3) EN ESB

PR: COT 3100, EEL 4851C. Introduction to the theory and application of various types of computing devices and the languages they recognize.

COT 4400 Analysis Of Algorithms (3) EN ESB

PR: COT 3100, EEL 4851C. Design principles and analysis techniques applicable to various classes of computer algorithms frequently used in practice.

CPO 2002 Introduction to Comparative Politics SS (3) AS POL

Comparison and analysis of representative European and non-Western political systems.

CPO 4034 Politics of the Developing Areas SS AF (3) AS POL

An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

CPO 4204 Government and Politics of Africa SS AF (3) AS AFA

Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.

CPO 4930 Comparative Government and Politics of Selected Countries or Areas (3) AS POL

Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered.

CPO 5934 Selected Topics in Comparative Politics (3) AS POL

Sr./GS. Studies specific substantive areas in Comparative Politics, such as political economy or the politics of specific countries or regions.

CRW 2100 Narration and Description 6A (3) AS ENG

A study of narrative and descriptive techniques in prose. By making the student sensitive to language usage, the course is designed to bridge the gap between expository writing and imaginative writing.

CRW 3111 Form and Technique of Fiction 6A (3) AS ENG

A study of short narrative forms such as the anecdote, tale, character sketch, incident, monologue, epistolary story, and short story as they have been used in the development of fiction and as they exist today.

CRW 3112 Fiction I 6A (3) AS ENG

PR: CRW 2100 or CRW 3111. An introduction to fiction writing, beginning with a practical study of the various elements of fiction and proceeding through the many processes of revision to arrive at a completed work of art.

CRW 3121 Fiction II 6A (3) AS ENG

PR: CRW 2100 or CRW 3111, CRW 3112. A fiction workshop which provides individual and peer guidance for the student's writing and which encourages the development of critical skills.

CRW 3311 Form and Technique of Poetry (3) AS ENG

An examination of the techniques employed in fixed forms from the couplet through the sonnet to such various forms as the rondel, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are also explored.

CRW 3312 Poetry I (3) AS ENG

PR: CRW 3311. An introduction to poetry writing utilizing writing exercises employing poetic language and devices; the exercises progress to the writing of both rhymed and unrhymed metrical and non-metrical forms.

CRW 3321 Poetry II (3) AS ENG

PR: CRW 3311, CRW 3312. A poetry workshop which provides individual and peer guidance for the student's writing and which encourages the development of critical skills.

CRW 4120 Fiction III (3) AS ENG

PR: CRW 2100 or CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop in which works may be carried over from CRW 3121 or longer forms such as the novel may be begun.

CRW 4320 Poetry III (3) AS ENG

PR: CRW 3311, CRW 3312, CRW 3321. An advanced poetry workshop in which students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses.

CRW 4930 Selected Topics in Creative Writing (1-4) AS ENG

PR: 12 hours of CRW courses or CI. The focus of the course will be governed by student demand and instructor interest. Topics to be covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works. May be taken twice for credit with different topics.

CWR 4202 Hydraulics (3) EN EGX

PR: EGN 3353. Fundamental and applied aspects of pipe flow, free surface flow, and unsteady flow for hydraulic systems.

CWR 4540 Water Resources Engineering I (3) EN EGX

PR: CWR 4202. A study of the engineering principles involved in sustaining and managing the quantity and quality of water available for human activities with particular emphasis on surface water and ground water hydrology.

CWR 4541 Water Resources Engineering II (3) EN EGX

PR: EGN 3353, CWR 4202. The course is intended to be a technical elective for students specializing in water resources or environmental engineering. Material in the course covers subsurface hydrology including both soil vadose zone processes and the ground water flow.

CWR 4812 Capstone Water Resources/Environmental Design MW (4) EN EGX

PR: CWR 4540, ENV 4001. CR: ENV 4417, CWR 4202, CEG 4012 or TTE 4405. A capstone water resources design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water treatment, and water transport systems and hydraulic systems, including drainage, water supply, and flood control.

DAA 2100 Fundamentals Of Modern Dance (2) VP DAN

A studio class for students with a serious interest in concert modern dance. Emphasis upon correct alignment, development of strength, rhythmic and dynamic activity, as well as spatial and locomotor patterns. May be repeated up to six credit hours.

DAA 2104 Modern Dance I (2) VP DAN

PR: Admission by placement audition. A studio class for students with a serious interest in concert modern dance. Further emphasis on correct alignment, development of strength, rhythmic and dynamic activity as well as spatial and locomotor patterns. May be repeated up to 8 credit hours.

DAA 2200 Fundamentals Of Ballet (2) VP DAN

A studio class for students with a serious interest in Ballet. Emphasis on correct alignment of the body and a progressive development of positions and barre exercises as well as the application of combinations in center work using classical Ballet vocabulary (French terms). May be repeated.

DAA 2204 Ballet I (2) VP DAN

PR: Admission by placement audition. A studio class for students with a serious interest in Ballet. Further emphasis on correct alignment of the body and a progressive development of positions and barre exercises as well as the application of combinations in center work using classical Ballet vocabulary (French terms). May be repeated.

DAA 2500 Fundamentals Of Jazz Dance (2) VP DAN

A basic movement course in Jazz Dance involving dance vocabulary, alignment, styles and simple rhythmic patterns. May be repeated up to 6 credits.

DAA 2504 Jazz Dance (2) VP DAN

PR: Admission by placement audition and DAA 2500. A technique class for the intermediate level dancer to become acquainted with the dance styles and forms of musical theatre and concert jazz dance. Emphasis is on highly stylized movement with a strong rhythmic base. May be repeated.

DAA 2540 Theatre Dance Styles (2) VP DAN

PR: DAA 2500 or DAA 2504 or CI. Development of technical skills in social and historical dance forms frequently stylized for use by dance choreographers. Forms to be studied will include polka, clogging, waltz, folk, tap dancing, etc. May be repeated up to 6 credits.

DAA 2570 Jazz Theatre Dance (3) VP DAN

PR: Admission by placement audition and DAA 2504. Further emphasis on projection, phrasing, rhythmic patterns and dynamics. Solo and ensemble studies leading to performance. May be repeated up to 6 credits.

DAA 3108 Modern Dance II (3) VP DAN

PR: Admission by placement audition. Study of principles of modern dance technique. Practical work in exercises and movement phrases, utilizing changing rhythms and dynamics. Concert and performance attendance required. May be repeated.

DAA 3109 Modern Dance III (2-3) VP DAN

PR: Admission by placement audition. Continuation of DAA 3108. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance. May be repeated.

DAA 3208 Ballet II (3) VP DAN

PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of simple step combinations in centre work. The use of ballet vocabulary (French terms). Material is covered almost totally as practical work in class with a few outside projects. Concert and performance attendance required. May be repeated.

DAA 3209 Ballet III (2-3) VP DAN

PR: Admission by placement audition. Continuation of DAA 3208. Intensification of barre exercises for the development of strength and form. Application of phrasing and movement. Material covered as practical work in class for concerts and performances. May be repeated.

DAA 3294 Ballet Variations (1) VP DAN

PR: DAA 3209. This course provides instruction in various forms of ballet. Semester courses include: Pointe technique, Men's Class, Character Dance, Spanish Dance and Partnering. BFA Ballet concentration students are required to complete two semester hours. May be repeated.

DAA 3395 World Dance Topics (1) VP DAN

Students will experience fundamental knowledge of dance representing various world cultures. In addition to a dance/movement component, a connection will be made to historical, spiritual/religious, ethnological and environmental indigenous aspects of people involved in dance as a cultural experience. May be repeated.

DAA 3614 Choreography I (2) VP DAN

PR: DAN 3614. CR: DAA 3108. BFA students must be concurrently enrolled in Modern III/IV and Ballet III. Study and execution of basic principles of composition. Preparation of studies in theme and variations, breath phrases and metric phrases.

DAA 3615 Choreography II (2) VP DAN

PR: DAA 3614. Preparation of studies in rhythm, dynamics, form and motivation.

DAA 3624 Dance Improvisation (2) VP DAN

For majors and non-majors. Exploring various methods of spontaneously creating dance movement in individual and group situations. Structured and unstructured approaches will be explored. May be repeated.

DAA 3654 Repertory I (1) VP DAN

PR: Admission by audition. The development and performance of solo and/or group dances.

DAA 3684 Repertory II (1) VP DAN

PR: Admission by audition. The development and performance of solo and/or group dances.

DAA 3686 Junior Performance Project (1) VP DAN

PR: Admission by audition. Required for junior dance majors. Involves rehearsal and performance of work presented by a senior dance major in the dance program. Open to all university students proficient in dance techniques and concurrently enrolled in technique courses. Repeatable.

DAA 4110 Modern Dance IV (3-4) VP DAN

PR: Admission by placement audition. Intense work on the growth of personal performance styles. Equal emphasis will be given to training the body in the development of technical excellence. May be repeated.

DAA 4211 Ballet IV (3-4) VP DAN

PR: Admission by placement audition or CI. Perfecting the execution of barre work. Intensification of centre work. More stress on aesthetic quality of movement and phrasing. Students expected to be proficient in pointe work. Outside projects, concerts, and performances are required. May be repeated.

DAA 4616 Choreography III (2) VP DAN

PR: DAA 3615. CR: DAA 3109 or above. Work directed toward duets and group dances. The students will submit choreographic ideas for instructor's approval, then proceed with rehearsals. Lec-lab., reading. Rehearsal hours to be arranged.

DAA 4617 Choreography IV (2) VP DAN

PR: DAA 4616. The student will prepare studies based on free form, minimal art, and chance methods. Lec-lab., reading.

DAA 4685 Performance (1-3) VP DAN

PR: Admission by audition. Open to all university students proficient in dance techniques and concurrently enrolled in Technique. Involves rehearsal and performance of works presented by the department. May be repeated.

DAA 4687 Performance (1-2) VP DAN

PR: Admission by audition. Open to all university students proficient in dance techniques and concurrently enrolled in Technique. Involves rehearsal and performance of works presented by the department. May be repeated.

DAA 4694 Senior Choreography Project (1-5) VP DAN

PR: Dance majors with senior standing. The creation of an original group work and solo within the senior's major concentration-ballet or modern. To be performed and presented with the concurrence of a faculty advisor.

DAA 4920 Dance Studies (1-4) VP DAN

PR: CI and CC. Dance Major status. Individual study to extended competency in technique and performance of Dance through participation in special workshops.

DAE 3351 Ethnic/Folk Dance (2) VP DAN

An exploration of ethnic and folk dance forms in various cultures of the eastern and western hemispheres. Students will investigate ways of doing, making, and teaching dances through studio work, videos, performances, and readings.

DAE 4300 Dance Pedagogy: Theory and Practice (3) VP DAN

PR: CI, CC. Designed to provide prospective teachers with opportunities to develop concepts of pedagogy based on principles of teaching/learning dance. Specific sections will focus on Secondary Curriculum and Methods and on Pre-K and Elementary Methods.

DAE 4310 Dance Pedagogy: Pre-School to Elementary (3) VP DAN

This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to Pre-K and elementary students.

DAE 4340 Dance Pedagogy: Secondary Curriculum (3) VP DAN

This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to the secondary student.

DAE 4397 Special Studies Dance Education (3) VP DAN

PR: CI and CC. PR: CI and CC. For majors and non-majors. Designed to provide prospective dance teachers with opportunities to develop concepts of pedagogy based on principles of teaching-learning in dance techniques and choreography. May be repeated up to 9 credit hours.

DAE 4936 Senior Seminar in Dance Education (2) VP DAN

CR: DAE 4940 This course represents a synthesis of the teacher Candidate's courses and is required concurrently with the internship.

DAE 4940 Internship in Dance Education (1-12) VP DAN

CR: DAE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

DAN 2100 Introduction To Dance 6A FA (3) VP DAN

For majors and non-dance majors, a study of the art and language of dance through lectures, discussions, concert attendance, and studio practice. Designed to develop awareness and insight of this art form through discussion, observation, writing, and movement experience.

DAN 2160 Entry Seminar (2) VP DAN

This is a study of dance-related career opportunities through lectures, assigned reading and video viewing. This course will aid majors in understanding dance as an aesthetic art form through discussion and critical evaluation.

DAN 3584 Practicum In Dance Production (2) VP DAN

A practicum in mounting dance concerts with shop work and backstage participation. Intended for students working in costuming, set preparation, light presentation, stage management and production crew. Dance majors must have 4 credits. May be repeated.

DAN 3614 Music For Dance (2) VP DAN

PR: Designed for majors and non-majors. Development of musical skills in movement studies. Continued study of the inter-relationship of music and dance through movement experiences, observations, video, and writing.

DAN 3615 Music For Dance II (2) VP DAN

PR: DAN 3614. Development of practical music skills in relation to dance. Continued problems in rhythmic materials and the relationship of music forms to dance. Elements within historical context.

DAN 3714 Dance Kinesiology (3) VP DAN

This course will give the student an understanding of basic human anatomy and how it functions in relation to movement, injury prevention, teaching and performance. Individual structural differences and how these affect movement potential will also be studied. There will be an emphasis on the kinesiological analysis of movement with the goal of increased efficiency, enhanced performance and injury prevention.

DAN 4134 Dance History Through the 19th Century 6A LW (3) VP DAN

Designed for majors and non-majors, this course will present a comprehensive view of the evolution of dance as an art form from its origins through the 19th Century. It is designed to develop awareness and insight through lecture, discussion, video, observation and writing.

DAN 4135 20th Century Dance MW (3) VP DAN

Designed for majors and non-majors, this course will trace the development of dance as an art form in the 20th Century. It is designed to develop awareness and insight through lecture, discussion, video, observation and writing. Students will be required to attend at least two dance performances.

DAN 4162 Research in Dance (2) VP DAN

PR: Dance major with Junior standing, and completion of two courses in secondary area. Course will introduce basic research methodologies for conducting research in the dance genre, and will serve the student in preparing for future research based study in the field of dance. Students will conduct library, internet, and field research.

DAN 4180 Dance Senior Seminar (2) VP DAN

PR: Dance major with senior status. A study of career opportunities in performance, teaching, research, design, and choreography. To aid majors in self-appraisal as artists and develop methods to further their potential in the professional world. Discussion, critical evaluation and projects.

DAN 4404 Laban Movement Analysis (3) VP DAN

Specialized study in movement theories, body alignment, and movement patterns focusing on the scientific and analytical basis of movement in dance with consideration for developmental processes, technique, creative expression, and performance.

DAN 4906 Directed Study (1-5) VP DAN

PR: CI, CC. Independent studies in the various areas of Dance. Must receive approval prior to registration. May be repeated.

DAN 4930 Selected Topics In Dance (1-5) VP DAN

PR: CI and CC. The content of the course will be governed by student and instructor interest. May be repeated by majors.

DEC 4161 Program Management of Distributive and Marketing Education (3) ED EDV

The study of the purposes, processes, organization, planning, directing, coordinating and evaluation of Distributive and Marketing Education Cooperative Programs.

DEC 4941 Supervised Field Experience: Distance Education (1-6) ED EDV

Planned supervised functions in the area of specialization and coordinated with selected schools, government offices, social agencies, businesses and industries on site.

DEP 2004 The Life Cycle (3) AS GEY

An examination of individuals and the physical, cognitive, personality, and social changes which occur throughout the entire life span.

DEP 3103 Child Psychology SS (3) AS PSY

Not for major credit. Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior.

DEP 4053 Developmental Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.

DEP 4135 Psychology of Language Development (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Available both to majors and non-majors. Surveys the course of and processes underlying normal language development. Presents data and theory on phonological, semantic, syntactic, and pragmatic development.

EAB 4715 Supervised Practicum and Field Experience in Applied Behavior Analysis (1-6) AS PSY

PR: PSY 4933 with a grade of B or better. Does not count toward major credit. (S/U only). Field experience in Behavior Analysis in applied settings. Under the supervision, involves the design, implementation and evaluation of behavior analysis methods in applied settings. Includes both field practicum and didactic components. May be repeated for a maximum of 6 hours.

EAP 1850 English for Foreign Students I (3) AS WLE

A special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension.

EAP 1851 English for Foreign Students II (3) AS WLE

PR: EAP 1850 or CI. A continuation of EAP 1850. Emphasis on reading and composition.

EAS 4121 Hydro and Aerodynamics (3) EN EGR

PR: EML 3701, MAP 2302. Advanced fluid dynamics, ideal and viscous flows, applications to flow around immersed bodies.

ECH 3023C Material and Energy Balances (4) EN ECH

PR: PHY 2049, MAC 2283, CHM 2046. CP: EGN 3343. Integration of previous knowledge into the definition of reactors and separation processes, through the hierarchical use of material balance, phenomenological and energy balance equations. Representation of streams as arrows and processes as black boxes in Box Flow Diagrams, BFD. Application of degree of freedom analysis.

ECH 3242L Chemical Engineering Lab I (1) EN ECH

PR: ECH 3023C, ENC 3246, EGN 3443 The theory and application of chemical engineering instrumental measurement methods: density, temperature, flow, pressure, viscosity, refractive index, humidity, gaseous and liquid composition, and pH/ion selective electrodes (ISE) analysis.

ECH 3702 Instrument Systems I (3) EN ECH

PR: MAP 2302 or EGN 3433, EGN 3343 and ECH 3023C or CI. Basic concepts of electric circuits and their applications. Resistors, capacitors, inductors, logic operations, junction devices. Programmable Logic controllers, ladder diagrams.

ECH 4123 Chemical Engineering Thermodynamics (3) EN ECH

PR: ECH 3023, EGN 3343, MAP 2302 or EGN 3433. Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Applications to separation processes and reactor design.

ECH 4243L Chemical Engineering Lab II (1) EN ECH

PR: ECH 4265C, ECH 3242L. Chemical Engineering processes laboratory experiments: fluid flow, heat transfer, phase and chemical equilibria, reacting systems, and process control.

ECH 4244L Chemical Engineering Lab III (1) EN ECH

PR: ECH 4415C, ECH 4243L. Chemical Engineering Processes laboratory experiments: fluid flow, heat transfer, reacting systems, and process control. Majors only. Not repeatable for credit.

ECH 4264 Transport Phenomena (4) EN ECH

PR: MAP 2302, EGN 3343. Mathematical description and solution of fundamental problems in heat, mass and momentum transfer. Estimation of transport coefficients. Application in fluid flow and heat exchange.

ECH 4265C Mass Transfer Operations (4) EN ECH

PR: ECH 4845, ECH 4264, ECH 4123. Integration of phase equilibria with the principles of fluid mechanics, heat and mass transfer in the description of separation processes. Selection of the number of stages and limiting operating conditions in cascades -- NTU and HTU. Sizing of partial condensers and pressure differential in columns. Transfer to single particles.

ECH 4323C Process Dynamics and Control (3) EN ECH

PR: ECH 3702, ECH 4265C and CI. Modeling of process dynamics. Simulation of dynamic systems. Analysis and synthesis of feedback control systems. Stability. Design of feedback control systems. Concepts of advanced control systems.

ECH 4415C Reaction Engineering (4) EN ECH

PR: CHM 2210, ECH 4265C. Integration of chemical equilibrium and kinetics, heat transfer and fluid mechanics into the hierarchical description of reacting systems. Analysis and selection of operating conditions and contacting models. Sizing. Restricted to department majors.

ECH 4605 Product and Process Systems Engineering (3) EN ECH

PR: ECH 4264, ECH 4265C, ECH 4845 or CI. Methods of process and product cost estimation, profitability analysis, selection among alternatives, and optimization. Uncertainty and risk analysis. Safety. Batch process design and operation. Introduction to process synthesis and product design.

ECH 4615 Product and Process Design MW (3) EN ECH

PR: ECH 4415C, ECH 4605; CP: ECH 4323C. Synthesis and analysis of economically feasible and environmentally acceptable chemical processing routes; Design of safe chemical production and treatment facilities; Chemical product design; Computer Aided-Design; Case studies and Design Project

ECH 4845 Numerical Methods in Chemical Engineering (4) EN ECH

PR: ECH 3023C, ECH 3343, EGN 3433 or MAP 2302. Computer usage in chemical engineering. Use of computer methods to solve chemical engineering problems. Solution of linear and nonlinear algebraic and differential equations that arise in chemical engineering. Optimization methods.

ECH 4905 Independent Study (1-4) EN ECH

PR: CI. Specialized independent study determined by the student's needs and interests. Students must have contract with instructor.

ECH 4930 Special Topics in Chemical Engineering I (1-4) EN ECH

PR: CC.

ECH 4931 Special Topics in Chemical Engineering II (1-4) EN ECH

PR: CI.

ECH 4936 Undergraduate Seminar (1) EN ECH

CP: ECH 3023C. Introduction to the profession. Career development. Information sources for Chemical Engineers. Professional organizations. Ethics in the profession. Safety and Chemical Engineering. Lifelong learning. Leadership in the profession. Legal issues.

ECH 5320 Chemical Process Engineering I (4) EN ECH

PR: Bachelors degree in science, math, or engineering. The course presents the principles of mass balances, classical thermodynamics, phase equilibria, energy balances, and psychrometrics. The student will learn by doing many case studies. Computer software will be used to obtain solutions to many problems.

ECH 5321 Chemical Process Engineering II (4) EN ECH

PR: Bachelors degree in science, math, or engineering. Basic concepts of fluid mechanics, including viscous fluids, pipe flow with minor losses, simple fluid machinery, momentum and external flow. Steady state conductive and convective heat transfer. Not available for chemical engineering students.

ECH 5322 Chemical Process Engineering III (4) EN ECH

PR: Bachelors degree in science, math, or engineering. Basic concepts of fluid phase equilibrium, chemical equilibrium, separation processes, and chemical reactors. Not available for chemical engineering students.

ECH 5324 Automatic Process Control II (3) EN ECH

PR: ECH 4323C or CI, majors only / 2 hrs lec., 3 hrs. lab/week. The course covers the root locus and frequency response methods to study stability of control loops. The techniques of ratio, cascade, feed forward, selective, override, and multi-variable control techniques are discussed in detail and shown how to utilize to design control systems, z-transforms and discrete controllers including PID, Dahlin and deadline compensation.

ECH 5327 Chemical Process Control (4) EN ECH

PR: Bachelors degree in science, math, or engineering. Basic concepts of feedback control, process dynamics, process controllers (PID) including tuning, control loop stability, cascade, ratio, selective, override, feedforward, and multivariable control. Not available for chemical engineering students.

ECH 5740 Theory and Design of Bioprocesses (3) EN ECH

Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems.

ECH 5747C Selected Topics in Chemical Engineering Biotechnology (1-3) EN ECH

PR: Senior or GS standing in engineering or CI. Open to majors and non-majors with CI. Selected topics in engineering in biotechnology, including cell separation technology, immobilized enzymes and cells, food engineering, biohazardous waste, and bioseparations.

ECH 5748 Selected Topics in Biomedical Engineering (1-3) EN ECH

Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems.

ECH 5820 Product Development (2) EN ECH

PR: Senior or GS in Engineering or CI. Introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.

ECH 5930 Special Topics III (1-4) EN ECH

PR: CI.

ECH 5931 Special Topics IV (1-4) EN ECH

PR: CI.

ECO 1000 Basic Economics SS (3) BA ECN

No credit after completing either ECO 2023 or ECO 2013. Survey of economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance.

ECO 2013 Economic Principles (Macroeconomics) SS (3) BA ECN

Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth and balance of payments stability.

ECO 2023 Economic Principles (Microeconomics) SS (3) BA ECN

Introduction to the theory of price determination. How an economy decides what to produce, how to produce, and how to distribute goods and services.

ECO 2935 Selected Topics In Economics (1-3) BA ECN

Not available for credit to upper-level students admitted to the College of Business. Topics selected by department. May be repeated if topics vary.

ECO 3101 Intermediate Price Theory (3) BA ECN

PR: ECO 2023. The price system and allocation of scarce resources between competing uses. May not receive credit for both ECP 3703 and ECO 3101.

ECO 3203 Intermediate Macroeconomics (3) BA ECN

PR: ECO 2013 and ECP 3703 or ECO 3101 with a grade of "C" or better. Determination of income, employment, prices, and interest rates. Aggregate demand and aggregate supply.

ECO 3622 American Economic History (3) BA ECN

PR: ECO 2013 and ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.

ECO 3703 International Economics MW (3) BA ECN

PR: ECO 2013 and ECO 2023. Role of international trade in the U.S. economy. Gains from trade, balance of payments, exchange rate determination, balance of payments stability, and international commercial policy.

ECO 4105 Advanced Price Theory (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "B" or better. An advanced survey of special topics in microeconomics: borrowing and saving, decision making under uncertainty, markets for capital and labor, game theory, production and exchange efficiency, social welfare, and efficiency consequences of market and non-market allocation.

ECO 4201 Advanced Macroeconomic Theory (3) BA ECN

PR: ECO 3203 with a grade of "B" or better. An advanced analysis of a particular topic or topics in macroeconomics. Areas of study include the theories of money, growth, and business cycles. Discussions of how such theories accord with the data are also presented.

ECO 4270 Economic Growth (3) BA ECN

PR: ECO 3101 or ECP 3703. This course provides an introduction to the theory of economic growth, the process whereby the level of real output per capita increases over time. Emphasis is on the role of factor accumulation and productivity growth and their underlying fundamentals.

ECO 4303 History Of Economic Thought (3) BA ECN

PR: ECO 2013 and ECO 2023. Development of economic thought from Plato to Marshall.

ECO 4323 Radical Political Economy MW (3) BA ECN

PR: ECO 1000 or ECO 2013 or ECO 2023 or CI. The radical (left) and Marxist schools of thought in economics. Application of radical theory to problems of advanced capitalist and socialist societies.

ECO 4401 Introduction to Mathematical Economics (3) BA ECN

PR: ECP 3703 or ECO 3101, and MAC 2241 or MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 4421 Introduction to Econometrics (3) BA ECN

PR: ECP 3703 or ECO 3101, and QMB 3200 with a grade of "B" or better or CI. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions. Examines problems of auto-correlation, heteroscedasticity, multicollinearity, and specification errors.

ECO 4504 Public Finance (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "C" or better. The public sector and its contribution to economic welfare. Government expenditures and revenues. Resource allocation, income distribution, stabilization, and economic growth.

ECO 4704 International Trade and Policy (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "C-" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.

ECO 4713 International Macroeconomics (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "C-" or better. Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.

ECO 4905 Independent Study (1-3) BA ECN

PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 hours.

ECO 4914 Independent Research (1-3) BA ECN

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

ECO 4935 Selected Topics in Economics (1-3) BA ECN

Topics to be selected by the instructor or instructors on pertinent economic issues.

ECP 3201 Economics of Women and Work MW (3) BA ECN

PR: ECO 1000 or ECO 2013 and ECO 2023. Survey of research on women, men and work in the labor market and the household. Focuses on the economic status of women. Includes historical perspective, examination of the family as an economic unit, changing work roles, and gender differences in occupation and earnings.

ECP 3203 Labor Economics (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "C-" or better. Determinants of wage and employment levels; occupational, industrial and geographical wage differentials; union and public policy effects on labor markets; the economics of discrimination; inflation, and unemployment.

ECP 3302 Environmental Economics MW (3) BA ECN

PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.

ECP 3413 Economics of Regulation and Antitrust (3) BA ECN

PR: ECO 2013 and ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3530 Economics of Health (3) BA ECN

PR: ECP 3703 or ECO 3101 with a grade of "C-" or better. Application of economic methods to health care topics such as demand for medical care, public and private health insurance, physician and hospital supply of medical care, government regulations, and national healthcare systems.

ECP 3613 Economics of the Urban Environment MW (3) BA ECN

PR: ECO 1000 or ECO 2013 or ECO 2023 or CI. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transportation, pollution, crime, and fiscal considerations.

ECP 3703 Managerial Economics (3) BA ECN

PR: ECO 2023. Application of microeconomic theory to problems in business decision making with a special focus on price determination. May not receive credit for both ECP 3703 and ECO 3101. Formerly ECO 3100.

ECP 4006 Economics of Sports (3) BA ECN

PR: ECO 3101 or ECP 3703. This course teaches economics using sports as a backdrop. Topics covered include the economics of labor markets, exploitation, discrimination, monopoly, monopsony, game theory, bargaining, and cartels. No particular knowledge of sports is required.

ECP 4232 Collective Bargaining and Public Policy (3) BA ECN

PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.

ECP 4451 Law and Economics (3) BA ECN

PR: ECO 2013 and ECO 2023. Advanced analysis of the economic impact of tort, criminal, property, and contract law as well as in the formation and adjudication of law.

ECP 4505 Economics of Crime (3) BA ECN

PR: ECO 2013 and ECO 2023. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions, and corrections.

ECP 4708 Economics of Business Strategy (3) BA ECN

PR: ECO 3101 or ECP 3703. This course examines strategies businesses can employ to improve their abilities to compete profitably. Employs game theory to examine horizontal and vertical boundaries of firm, strategic diversification, pricing, and entry deterrence.

ECS 3013 Economic Development (3) BA ECN

PR: ECO 2013 and ECO 2023. Economic development in emerging nations.

ECS 4003 Comparative Economic Systems MW (3) BA ECN

PR: ECO 1000 or ECO 2013 or ECO 2023 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

ECS 4430 Economics of Latin America AF MW (3) BA ECN

PR: ECO 1000, or BOTH ECO 2013 and ECO 2023. The course examines key aspects of economic reform efforts in Latin America and the Caribbean and the challenges facing the region at the beginning of the 21st century.

EDE 4223 Creative Experiences for the Child (3) ED EDE

PR: Acceptance into College of Education. Provides students with critical understanding of visual arts, music, movement, and drama in K-6 curriculum. Students will develop knowledge and strategies to incorporate creative expression into integrated curriculum. Restricted to majors. Not repeatable.

EDE 4301 Classroom Management, School Safety, Ethics, Law and Elementary Methods (3) ED EDE

PR: Admission to the program in the Department of Childhood Education. This course examines the legal issues affecting classroom/school management, school safety, professional ethics and elementary school methods. The course explores the current knowledge of best practices of a variety of teaching and management strategies and methods deemed appropriate for a diverse elementary classroom setting including ESOL students and other exceptionalities.

EDE 4905 Independent Study: Elementary Education (1-4) ED EDE

S/U only. Specialized independent study determined by the student's needs and interests.

EDE 4909 Directed Study: Elementary Education (1-3) ED EDE

PR: Senior standing. To extend competency in teaching field.

EDE 4940 Internship: Elementary Education (10-12) ED EDE

PR: EDE 4941 and EDE 4942; CR: EDE 4936. S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full day internship in a public or private elementary school.

EDE 4941 Childhood Education Internship Level I (3) ED EDE

PR: Admission to the Elementary Education. CR: RED 4310, EDG 4620. Concurrent enrollment in EDG 4620-Elementary section. S/U only. Students spend six hours per week in a supervised in-school experience and attend weekly seminar.

EDE 4942 Childhood Education Internship Level II (6) ED EDE

PR: EDE 4941, RED 4310, EDG 4620, EDF 3122, LAE 4314, EDE 4301, MAE 4310, SCE 4310, LAE 4414, SSE 4313, EME 2040. S/U only. Students spend 12 hours per week in a supervised internship experience in classroom settings and attend a weekly seminar.

EDF 2005 Introduction to Education and Field Experience (3) ED EDC

Introductory survey course required for admission into the College of Education. A broad overview of the history, sociology and philosophy of education in the United States focuses on education as a field of study and teaching as a profession. Includes lecture and field experience.

EDF 3122 Learning and the Developing Child (3) ED EDF

PR: General psychology and admission to College of Education. Preadolescent child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

EDF 3214 Human Development And Learning (3) ED EDF

PR: General psychology and admission to College of Education. Application of respondent and operant learning principles to classroom learning, teaching models for different instructional goals, analysis of teacher behavior, micro-teaching.

EDF 3228 Human Behavior and Environmental Selection 6A MW (3) ED EDF

Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills.

EDF 3514 History of Education in the United States HP MW (3) ED EDF

PR: Upper-division standing. History of childhood, education, and schooling in the U.S. from early European and African contact to the present.

EDF 3604 Social Foundations of Education MW (3) ED EDF

PR: Upper level standing. Social, economic and political context within which schools function and the values which provide direction for our schools.

EDF 4111 Child Growth and Learning (3) ED EDF

An introduction to child development and learning from an educational and psychological perspective. Emphasis is on the application of relevant constructs as they would reflect developmentally appropriate practices in early childhood learning settings.

EDF 4131 Learning And The Developing Adolescent (3) ED EDF

PR: General psychology and admission to College of Education. Adolescent growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of the classroom.

EDF 4430 Measurement For Teachers (3) ED EDQ

PR: Upper level standing. Concepts and skills related to designing and developing classroom tests; evaluating tests, instruction, and student progress; and communicating student achievement. Including application of performance assessment techniques and computer applications for measuring and assessing pupil progress.

EDF 4490 Studies in Research Design (3) ED EDQ

Studies in Research Design introduces students to the logic and dynamics of the research process.

EDF 4905 Independent Study: Educational Foundations (1-4) ED EDF

PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

EDF 4909 Directed Study: Educational Foundations (1-3) ED EDF

PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

EDF 5607 Trends in the Social-Political Foundations of Schooling in the US (3) ED EDF

Current debates re: purpose and practice of formal schooling in the U.S. with historical and sociological perspectives. Satisfies social foundations requirements for Fla. Teacher certification and ESL competency in knowledge of intercultural issues in education.

EDG 2701 Teaching Diverse Populations and Field Experience (3) ED EDC

Introductory survey course required for admission into the College of Education. Places schools and teaching within the context of the U.S. as a pluralistic society. Topics include: the demographics of diversity; prejudice; elements of culture; American heritage of diversity and its value; and barriers to cultural understanding. Includes lecture and field experience.

EDG 4012 Standards Based Education (1) ED EDE

PR: FLE 4317 for undergraduate, FLE 5345 for graduate students. This course is designed to introduce students to standards-based education, linking program outcomes for student learning with the relevant state and national educational standards. The course is restricted to majors and is not repeatable for credit.

EDG 4320 Introduction to Creative Drama (3) VP EDD

This course for classroom teachers introduces the theory and practice of creative drama as it applies to use by elementary, middle school and secondary school teachers. Beginning with a study of dramatic play as it relates to human development, the course includes basic strategies when using pantomime, voice improvisation, theatre games, and role playing and story dramatization.

EDG 4620 Curriculum and Instruction (3) ED EDC

An introduction to the field of curriculum and instruction. Emphasis is placed on principles of curriculum development and use of instructional strategies. Students will develop, implement, and evaluate a variety of lesson plans.

EDG 4909 Directed Studies (1-4) ED EDC

PR: Senior standing. Offered only as a scheduled class. Department permit required. To extend competency in teaching field.

EEC 2000 Introduction to Early Childhood Education (3) ED EDU

An overview of early childhood education with emphasis on its historical development, current theories, and practices.

EEC 4008 Literature in Early Childhood Education 6A LW (3) ED EDU

Jr./Sr. Standing. Emphasis is placed on developing knowledge of literature for younger children (0-8 yrs.) and methodologies and strategies for utilizing literature to teach literacy in content areas of the curriculum.

EEC 4203 Programs for Young Children (3) ED EDU

PR: Admission to College of Education. Early Childhood majors only. Develops students' understanding of historical and social foundations of early childhood education, establishing professional beliefs regarding teaching young children, and developing an appropriate learning environment.

EEC 4211 Integrated Curriculum: Science and Mathematics (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of science and mathematical concepts for the appropriate stages of cognitive development of young children. Emphasis will be placed on how science and mathematics are integrated throughout the curriculum and become valued functional tools.

EEC 4212 Integrated Curriculum: Social Sciences/Humanities & Art (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of appropriate curriculum experiences in social science, humanities, and arts for kindergarten and primary grades with an emphasis on integrated experiences, and sociological influences such as culture, ethnicity, language and gender impact understandings, values, and learning.

EEC 4303 Creative and Affective Experiences for Young Children (3) ED EDU

PR: Admission to College of Education. Early Childhood majors only. Develops students' understandings of young children's creative expression through art, music, movement, play and drama. Emphasizes how to plan, implement, and evaluate appropriate learning experiences as well as selection of appropriate instructional materials.

EEC 4307 Cognitive Experiences for Young Children (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Emphasizes theoretical and practical aspects of cognitive development for children ages 3 through 6 with focus on planning integrated experiences and content in science, mathematics, and social sciences.

EEC 4408 Child, Family & Teacher Relations (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Focuses on developing an understanding of traditional and non-traditional families, structural and life style variations and parenting in diverse cultures and at-risk families. Implications from these understandings will guide development of a parent involvement plan that includes effective ways to communicate with parents, conference with parents, and plan parent meetings and home visits.

EEC 4706 Language and Emerging Literacy (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Provides knowledge of language development and emerging literacy for typical and atypical development in children from birth to third grade, including ESOL children.

EEC 4905 Independent Study: Early Childhood Education (1-4) ED EDU

PR: S/U only. Early Childhood majors only. Specialized independent study determined by the student's needs and interests.

EEC 4909 Directed Study: Early Childhood Education (1-3) ED EDU

PR: Senior standing. To extend knowledge in teaching field.

EEC 4936 Senior Seminar in Elementary Early Childhood Education (2) ED EDU

PR: Senior standing; CR: EEC 4940. Synthesis of teacher candidate's courses in complete college program.

EEC 4940 Internship: Early Childhood (10) ED EDU

CR: EEC 4936. S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full-day internship in a public or private elementary school.

EEC 4941 Field Experience I (3) ED EDU

PR: Admission to College of Education. Early Childhood majors only. Field placement with three and four year olds where teacher candidates have opportunities to apply knowledge and skills in authentic situations and become objective observers of young children's development. Weekly seminars are conducted in conjunction with the field experience which provide teacher candidates an opportunity for reflection on their understandings.

EEC 4942 Field Experience II (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Field placement in kindergarten or primary grade where teacher candidates have opportunities to apply knowledge and skills in authentic situations. Emphasis on developing deeper understanding of children's development and implications of development for program planning for both typical and atypical children.

EEC 4943 Field Experience III (3) ED EDU

PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Field placement in kindergarten or primary grade where teacher candidates have opportunities to apply knowledge and skills in authentic situations. Focus on developing deeper understanding of growth and development and relationship to curriculum planning with an emphasis on self-evaluation of knowledge, skills, and dispositions essential for teaching.

EED 4011 Introduction to Behavior Disorders (3) ED EDS

PR: EEX 4011, or equivalent or DPR. Survey of emotional, behavioral and social disorders in children and youth. History of the field, definitions, classifications, theoretical approaches, intervention techniques, classroom management, service delivery models, trends and issues.

EED 4909 Directed Study: Behavior Disorders (1-3) ED EDS

PR: Senior standing, DPR. To extend competency in teaching field.

EED 4941 Undergraduate Supervised Practicum in Behavior Disorders (1-6) ED EDS

PR: EEX 4011. S/U only. DPR. Supervised field experience in assessment, classroom management, and clinical teaching with children who have emotional and behavioral disabilities.

EEL 2161 Electrical Engineering Computer Methods (3) EN EGE

Use of computers to perform analysis, simulation, and design of Electrical Engineering systems. Use of computer systems, including Internet resources. Use of analytical software. Computer programming in C++ for the solution of Electrical Engineering problems.

EEL 3100 Network Analysis and Design (3) EN EGE

PR: EGN 3420 with a minimum grade of C and EGN 3374 with a minimum grade of B. A third course in linear circuit analysis and design. Transient and steady-state responses of passive RLC networks to various functions.

EEL 3302 Electronics I (3) EN EGE

PR: EGN 3373 with a minimum grade of B. A course in the physical principles of electronic devices with emphasis on semi-conductor electronics. Includes the analysis and design of amplifiers and switching circuits.

EEL 3394 Electronic Materials (3) EN EGE

PR: CHM 2045, PHY 2049. This course provides electrical engineering students with a background in material science and quantum physics as these apply to electrical/electronic material properties.

EEL 4030 Electrical Systems Environments (3) EN EGE

PR: MAP 2302 and PHY 2049 or CC. Dynamics, vibration, thermodynamics, and heat transfer in electrical, electronic, and electromechanical systems and their environments.

EEL 4102 Linear Systems Analysis (3) EN EGE

PR: EGN 3420 with a minimum grade of C and EGN 3374 with a minimum grade of B. Provides further study in the analysis of linear networks and systems. Includes time and frequency domain points of view. Laplace, Fourier and superposition integrals.

EEL 4163 CAD and Analysis (2) EN EGE

The emphasis is upon applications and how to use the major CADA programs as effective tools to solve a wide variety of engineering problems. The coverage includes solid state design, systems analysis, digital logic, and transfer function solutions.

EEL 4243 Switching Power Supply Design (3) EN EGE

PR: EEL 4301 Provides the basic principles of switching power supply circuits: magnetic circuits, power semiconductors, Buck, Boost, and Flyback configurations, dc to dc converters, dc to ac inverters. Requires the design and construction of a switching power supply.

EEL 4301 Electronics II (3) EN EGE

PR: EEL 3302. Provides further study in electronic circuits. Includes feedback and frequency response techniques in amplifier design.

EEL 4305 Communications Electronics (3) EN EGE

PR: EEL 4301 Provides the basic principles of RF communications circuits including oscillators, mixers, high frequency amplifiers, etc. Requires the design and implementation of a short range communications link including a transmitter and a superheterodyne receiver.

EEL 4351C Semiconductor Devices (3) EN EGE

PR: EEL 3394. An introduction to the fundamentals of semiconductor materials and semiconductor device operation.

EEL 4420 RF & Microwave Measurements (2-3) EN EGE

PR: EEL 4316L or CI. This course introduces students to the theory and applications of modern radio frequency and microwave measurements. Topics to be included are network analyzer, spectrum analyzer, noise, power, and non-linear distortion measurements. Modern trends also treated are the use of on-wafer measurements for transistor characterization and the evaluation of monolithic microwave integrated circuits.

EEL 4421 RF/Microwave Circuits I (3) EN EGE

PR: EEL 3100, EEL 4471. Introduction to passive microwave circuit design. Investigate the characteristics of transmission lines used in modern microwave systems, the tools used for analysis, and some common circuit topologies for matching, filtering and power distribution. Part one of a two-part sequence. EE majors only. Not available on an S/U basis.

EEL 4422 RF/Microwave Circuits II (3) EN EGE

PR: EEL 4421. Introduction to active RF/Microwave circuit design. Investigate the characteristics of amplifiers and oscillators used in modern microwave systems, the tools used for analysis, and some common circuit topologies for biasing and matching. Substantial coverage of stability analysis, constant gain methods and noise figure. Part two of a two-part sequence. EE majors only. Not available on an S/U basis.

EEL 4471 Electromagnetics MW (3) EN EGE

PR: MAP 2302 or EGN 3433, PHY 2049, PHY 2049L and EGN 3373 with a minimum grade of B. Electromagnetic field theory, including static and dynamic electromagnetic fields; applications; environmental effects (effects of radiation, magnetic fields).

EEL 4512C Introduction to Communication Systems (3) EN EGE

PR: EEL 3100. Provides an introduction to the fundamental principles and techniques of analog and digital communication systems. Theory is put into practice by investigating a variety of applications. Lectures and projects develop understanding of modern communication systems design and analysis.

EEL 4567 Electro-Optics (3) EN EGE

PR: ELR 3301L, ELR 3302L, EEL 4471. An introduction to the field of electro-optics, including visible and infra-red sources and detectors, radiometry, optical and electronic components, and fiber optics.

EEL 4657 Linear Control Systems (3) EN EGE

PR: EEL 3100. Introduction to analysis and design of linear feedback control systems. Covers block diagram, flow charts. Bode, Nyquist, and root locus techniques.

EEL 4657L Linear Controls Laboratory (1) EN EGE

PR: EEL 3100; CR: EEL 4657. This laboratory introduces students to the techniques needed for the design and implementation of automatic industrial control systems. Students will learn the basics of the software and hardware used for the design and implementation of control systems.

EEL 4705 Logic Design (3) EN EGE

PR: EGN 3373 with a minimum grade of B for EE students only. Binary number systems; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; synchronous logic circuits in computers.

EEL 4705L Logic Laboratory (1) EN EGE

CR: EEL 4705. Develop designs and demonstrate logic concepts. Schematic capture for design implementation, simulation and design verification.

EEL 4743L Microprocessor Laboratory (1) EN EGE

CR: EEL 4744. Application of microprocessors and microcontrollers for data entry, processing, display and real time signal input/output and control.

EEL 4744 Microprocessor Principles and Applications (3) EN EGE

PR: EEL 4705. Functional Description. Arithmetic and Logic capabilities. Control and Timing. Interrupts and priority systems. Software design and documentation. Distributed function processing.

EEL 4748 Microprocessor-Based System Design and Application (3) EN ESB

PR: CDA 3201, CDA 3201L. Study of techniques for design of microprocessor-based systems used in various applications. Includes a project on development of an experimental application system.

EEL 4756 Digital Signal Processing (3) EN ESB

PR: EEL 4102. Sampling and quantization of signals; frequency-domain representations, transforms; digital filtering filter structures; DFT, FFT; multi-rate processing, Spectral analysis

EEL 4781C Distributed Processing and Computer Networks (3) EN ESB

PR: EEL 4851C. Design and analysis of distributed processing systems. Covers communication hardware and software, network operating systems, and reliability enhancement techniques.

EEL 4782 Computer Information Networks for Information Technology (3) US EIT

The course covers concepts of computer networks. Physical and logical structures are presented. Physical media, circuit switching, data flow, high-level protocols, and the ISO model are discussed. Bus, ring, star, and wireless topologies are presented.

EEL 4782L Information Networks Laboratory for Information Technology (1) US EIT

CR: COP 4610 or CI. The lab section of this course will allow students to apply hardware and software concepts discussed in the lecture portion of the class. Special isolated networking labs provide both software and hardware tools for student experimentation.

EEL 4851C Data Structures (3) EN ESB

PR: CDA 3103, COP 3514 and Degree Program Admission. CSE majors only. Understand and implement fundamentals of concise data structure and organization for program efficiency, clarity and simplification. Implementation of different data types and structures. Understanding of current data structures.

EEL 4852C Data Base Systems (3) EN ESB

PR: EEL 4851C. Fundamentals of data base management systems. CODASYL, network, hierarchical, and relational data base systems are analyzed, and typical applications are presented.

EEL 4854 Data Structures and Algorithms for Information Technology (3) US EIT

PR: COP 3515 or CI. Representing data for manipulation by the computer is studied. Design and analysis of well-known data structures and algorithms to manipulate them, are studied. Program efficiency, clarity and speed are considered in various structures and algorithms.

EEL 4905 Independent Study (1-5) EN EGE

PR: CI. S/U only. Specialized independent study determined by the students' needs and interests.

EEL 4906 Professional Issues and Engineering Design MW (3) EN EGE

CR: EEL 4301, EEL 4512C, EEL 4657, EEL 4744. An introduction of engineering design with applications specific to practical engineering problems. Included are discussion of real-world issues as economics, safety, ethics and the environment.

EEL 4914 Senior Project Design (3) EN EGE

PR: EEL 4906 and Senior Standing, CI. Students apply the knowledge acquired in the classroom to design a system which meets a predetermined set of specifications. Students work individually or in small groups with a faculty member (project director) in their area of interest. (Majors only.)

EEL 4935 Special Electrical Engineering Topics I (1-4) EN EGE

EEL 4936 Special Electrical Engineering Topics II (1-4) EN EGE**EEL 4937 Special Electrical Engineering Topics III (1-4) EN EGE****EEL 5250 Power System Analysis (3) EN EGE**

PR: EGN 3375. Analysis and design technique for AC power systems.

EEL 5344C Digital CMOS/VLSI Design (3) EN EGE

PR: EEL 4705 or GS. Design, layout, simulation, and test of custom digital CMOS/VLSI chips, using a CMOS cell library and state-of-the-art CAD tools. Digital CMOS static and dynamic gates, flip flops, CMOS array structures commonly used in digital systems. Top down design example of a bit slice processor.

EEL 5356 Integrated Circuit Technology (3) EN EGE

PR: EEL 4351 or GS. Physics and Chemistry of integrated circuit and discrete device fabrication, materials limitations, processing schemes, failure and yield analysis. A laboratory is integral to the course.

EEL 5357 Analog CMOS/VLSI Design (3) EN EGE

PR: EEL 4301 or GS. Design of analog circuits for CMOS/VLSI design. Op amps, comparators, D to A and A to D converters. Switched capacitor filters. Analog simulation.

EEL 5382 Physical Basis Of Microelectronics (3) EN EGE

PR: EEL 4471 or GS. Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.

EEL 5462 Antenna Theory (3) EN EGE

PR: EEL 4471 or GS. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elemental antennas and arrays.

EEL 5572C Local and Metropolitan Area Networks (3) EN EGE

PR: EEL 4512C or GS. Basics of data communication exchange of digital information over communication media; Basics of LANs/MANs and its components: media topologies, access methods, etc.; LAN/MAN architectures and protocols-IEEE 802.xLAN Standards; High speed LANs such as FDDI, IEEE 802.6 MAN, etc., Internetworking; LAN/MAN Design and selections.

EEL 5594L Wireless Circuits and Systems Laboratory (2) EN EGE

PR: EEL 4472. This class will provide introductory tutorial learning, plus hands-on experience in analysis, design and measurement in the field of wireless communications.

EEL 5631 Digital Control Systems (3) EN EGE

PR: EEL 4657 or GS. Sample data and digital control processes

EEL 5754C Microprocessor Based Digital Signal Processing (3) EN EGE

PR: EEL 4705 or CI. Arithmetic systems, processing structures, efficient algorithms. DSP hardware, TI, NEC and other DSP microprocessors; multiprocessing hardware and software. System development. Application to telecommunications and voice processing.

EEL 5771 Introduction to Computer Graphics I (3) EN ESB

PR: EEL 4851C. An introduction to the evolution of computer graphics including point-plotting, line drawing, two-dimensional transformations and graphics software packages.

EEL 5935 Special Electrical Engineering Topics I (1-3) EN EGE**EEL 5936 Special Electrical Engineering Topics II (1-3) EN EGE****EEL 5937 Special Electrical Engineering Topics III (1-3) EN EGE****EEX 4011 Foundations of Special Education (3) ED EDS**

PR: DPR. CR: EEX 4941. Characteristics and needs of children who have learning disabilities, emotional disabilities, hearing impairments, mental retardation, physical handicaps, speech impairments, visual limitations, and who are gifted and talented.

EEX 4054 Perspectives on Learning and Behavioral Differences (3) ED EDS

PR: EEX 4011. The purpose of this course is to introduce students to the historical and theoretical perspectives on educating students with learning and behavioral differences, develop a critical understanding of current practices in service delivery systems, and examine professional issues and trends that impact the future of the field.

EEX 4070 Integrating Exceptional Students in the Regular Classroom (2-3) ED EDS

No credit for department majors. Designed for non-special education majors. Includes basic identification techniques and strategies to promote academic and social integration and interaction of "mainstreamed" exceptional students. Concurrent field experience projects are included.

EEX 4221 Educational Assessment of Exceptional Students (3) ED EDS

PR: EDF 3214, EDF 4430 and EEX 4011. CR: EEX 4941 and EEX 4846. DPR. Introduction to assessment of exceptional students through formal and informal techniques. Emphasis placed on the interpretation of information for educational programming and individualization of instruction.

EEX 4243 Education of Exceptional Adolescents and Adults (3) ED EDS

PR: EEX 4011 or equivalent or DPR. Procedures for implementing educational programs for exceptional adolescents and adults. Topics include service delivery, curriculum, academic remediation, advocacy, utilization of ancillary services, alternative programs and community resources.

EEX 4604 Behavior Management for Special Needs and At-Risk Students (3) ED EDS

PR: EEX 4011. CR: EEX 4941, ELD 4941, or EMR 4941. Techniques to prevent, analyze, and manage challenging and disruptive classroom behavior as well as teaching social skills.

EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues 6A LW (3) ED EDS

DPR. This course is designed to use literature as a way to interpret the lives of individuals with disabilities, their families and those who play an educational role in their lives. The course also addresses cultural and ethnic diversity so as to better analyze the role of ethics and values in decisions made pertaining to individuals with disabilities.

EEX 4846 Clinical Teaching in Special Education (3) ED EDS

PR: EEX 4011, DPR. CR: EEX 4941. Effective teaching principles, instructional management procedures, and specialized teaching techniques for exceptional students.

EEX 4905 Independent Study: Exceptional Student Education (1-3) ED EDS

PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

EEX 4909 Directed Study: Exceptional Student Education (1-3) ED EDS

PR: Senior standing. DPR. To extend competency in teaching field.

EEX 4936 Senior Seminar in Exceptional Student Education (1) ED EDS

PR: Senior standing; CR: EEX 4940. Required concurrently with internship. Synthesis of teacher candidate's courses in complete college program.

EEX 4940 Internship: Exceptional Student Education (1-12) ED EDS

CR: EEX 4936. S/U only. One full semester of internship in an accredited public or private school.

EEX 4941 Practicum in Exceptional Student Education (1-4) ED EDS

CR: Sem I: EEX 4011; Sem II: EEX 4604; Sem III: EEX 4221 and EEX 4846. Designed to provide teacher candidates with carefully planned and supervised clinical experiences with exceptional students populations in a variety of settings. Candidates demonstrate the ability to apply concepts, theories and research. Repeatable up to six credit hours.

EEX 5705 Seminar in Preschool Handicapped (2) ED EDS

Intended to familiarize the education student with the wide range of needs and services of the preschool children with disabilities and their families and how they coordinate with educational services.

EEX 5752 Working With Families: A Pluralistic Perspective (3) ED EDS

PR: Introductory course in special education, GS. The impact of the socio/cultural environment on the education of at-risk children and children with disabilities; family systems theory, principles of multi-cultural education, strategies for working effectively with families of school-age children, diverse cultures and family structures represented in school populations today.

EGI 4941 Undergraduate Supervised Practicum in Gifted Student Education (1-6) ED EDS

Organized, supervised experiences with gifted children. Specific experiences may be either a combination of observation and assistance with gifted children or individualized projects.

EGI 5051 Nature and Needs of the Gifted (3) ED EDS

This survey course examines the characteristics and educational needs of children and youth who are gifted, including those from special populations. Emphasis is on giftedness as defined historically, nationally and locally. The course also explores changing views of intelligence and talent development related to policy and practice in gifted education as well as the processes of identification and programming.

EGI 5325 Theory and Development of Creativity (3) ED EDS

Exploration of the concept of creativity, its factors, measurement, and application to education. Opportunities are given to work with children in a laboratory setting and to prepare materials to be used with small groups of children.

EGN 2031 History of Technology HP (3) EN EGB

Covers the evolution of technology and its influence on society from pre-historic man to the modern day. Topics include: seven technological ages of man, methods of producing power, materials, transportation, communication and calculation, and technology and society.

EGN 2080 Light and the Arts: A Quantitative Approach FA (3) EN EGB

Physical and aesthetic aspects of light. Elementary physics of light sources, waves and photons, human vision. Color and intensity effects in well-known paintings, photographs, films. Theatrical lighting. Holography.

EGN 2081 Circuit Mathematics and Physics (2) EN EGB

Remedial work on the mathematical and physical concepts that are necessary for EGN 3373. Differentiation and integration, complex numbers, phasors, vectors, the physical laws for resistors, capacitors, and inductors.

EGN 2082 History of Electrotechnology HP (3) EN EGB

Highlights of the history of electrotechnology and its relation to the development of civilization. The contributions of Volta, Faraday, Morse, Bell, Hertz, Marconi, Franklin, etc. in the context of the development of western civilization. The impact of communications, electronics and computers in the twenty-first century.

EGN 2210 Computer Tools for Engineers (3) EN EGB

PR: MAC 2281. Students will be introduced to computer based engineering tools and their application to the solution of engineering problems. The programming language, FORTRAN, will be the most emphasized tool, but coverage will also be given to other engineering/mathematical tools such as equation solving tools and spreadsheets.

EGN 3000 Foundations of Engineering (1) EN EGB

Introduction to the profession of engineering. Exposure to the different disciplines of engineering incorporate examples of tools and techniques used in design and presentation.

EGN 3311 Statics (3) EN EGB

PR: PHY 2048. Principles of statics, mechanical equilibrium, forces, moments, plane trusses. Lec.-pro.

EGN 3321 Dynamics (3) EN EGB

PR: EGN 3311. Dynamics of discrete particles; kinematics and kinetics for rigid bodies. Lec.

EGN 3331 Mechanics of Materials (3) EN EGB

PR: EGN 3311. Stress, strain, Hooke's Law; torsion, beam, column analysis; combined stresses; inelastic effects, limit design. Lec.

EGN 3331L Mechanics of Materials Laboratory (1) EN EGB

PR: EGN 3331. CR: EGN 3365. Experiments in mechanics of deformable bodies with integrated materials component. Lab.

EGN 3343 Thermodynamics I (3) EN EGB

PR: PHY 2049. Axiomatic introduction to thermodynamic concepts of energy, entropy, work and heat. Properties of ideal and real substances. Applications: power production and refrigeration, phase equilibria.

EGN 3353 Basic Fluid Mechanics (3) EN EGB

PR: EGN 3311, CR: EGN 3321. Fundamental and experimental concepts in ideal and viscous fluid theory; momentum and energy consideration, introduction to hydraulics, pipe flow. Lecture.

EGN 3358 Thermodynamics, Fluids, and Heat Transfer (4) EN EGB

PR: PHY 2049. Thermodynamic concepts of energy, entropy, work and heat and thermodynamic cycles. Basic concepts of fluid mechanics, including viscous fluids, pipe flow with minor losses, simple fluid machinery, momentum and external flow. Steady state conductive and convective heat transfer.

EGN 3365 Materials Engineering I (3) EN EGB

PR: CHM 2046; CR: EGN 3311. Structure and property relationships in engineering materials, i.e., metal, ceramic and polymer systems. Environmental effects are also treated.

EGN 3373 Introduction to Electrical Systems I (3) EN EGB

PR: PHY 2049, PHY 2049L, CR: MAP 2302. A course in AC and DC linear circuit analysis. Transient and steady-state analysis. Polyphase circuits.

EGN 3374 Introduction to Electrical Systems II (3) EN EGB

PR: EGN 3373. CR: MAP 2302. A second course in linear passive circuits (following EGN 3373). An extension of the physical principles and models, AC/DC steady-state, transient analysis and power analysis techniques.

EGN 3375 Electromechanical Systems (3) EN EGB

PR: EGN 3373 with a minimum grade of B. Analysis of electromechanical device performance: transformers, transducers, DC motors and generators, AC motors and alternators.

EGN 3420 Engineering Analysis (3) EN EGB

PR: MAC 2282. Introduction to aspects of matrix algebra and complex algebra which are essential in engineering: simultaneous equations, connection matrices, basic eigenvalue theory, the complex exponential.

EGN 3433 Modeling and Analysis of Engineering Systems (3) EN EGB

PR: MAC 2283, PHY 2049. Dynamic analysis of electrical, mechanical, hydraulic and thermal systems; Laplace transforms; numerical methods; use of computers in dynamic systems; analytical solution to first and second order ODEs. Restricted to majors.

EGN 3443 Probability and Statistics for Engineers (3) EN EGB

PR: MAC 2282. An introduction to the basic concepts of statistical analysis with special emphasis on engineering applications.

EGN 3613C Engineering Economy I (3) EN EGB

A study in analyzing the economic limitations imposed on engineering activities using basic models which consider the time value of money.

EGN 3615 Engineering Economics with Social and Global Implications SS (3) EN EGB

Presents basic economic models used to evaluate engineering activities and an understanding of the social and ethical implications of financial decisions in a multicultural environment through lectures, case studies and current readings.

EGN 3835 Globalization and Technology (3) EN EGB

Exploration of the fundamental processes underlying globalization with particular emphasis on the role of technological development in both historical and contemporary context.

EGN 4366 Materials Engineering II (3) EN EGB

PR: EGN 3365. Applications and structure property relationships of commonly used engineering materials. Steel, nonferrous alloys and their welding, heat treatment and processing. Introduction to ceramic and polymeric materials.

EGN 4420 Numerical and Computer Methods in Engineering (3) EN EGB

PR: MAP 2302. Computation methods of analysis for engineering problem solving by use of digital computers, matrix methods, differential equations, curve fitting, integral equations.

EGN 4450 Introduction to Linear Systems (2) EN EGB

PR: MAC 2282. Study and application of matrix algebra, differential equations and calculus of finite differences.

EGN 4831 Technology and Society MW (3) EN EGB

Non-technical survey of engineering activities: utilities, nuclear power, genetics weaponry, space, etc. Students conduct individual in-depth study of environmental/ethical problem.

EGN 4905 Independent Study (1-5) EN EGB

PR: CI. Specialized independent study determined by the students' needs and interests.

EGN 4930 Special Topics in Engineering (1-3) EN EGB

PR: CI. New technical topics of interest to engineering students.

EGN 5421 Engineering Applications for Vector Analysis (3) EN EGB

Vector methods in electromagnetism and fluid mechanics. Vector operators, line and flux integrals, potential and transport theorems, applications.

EGN 5422 Engineering Applications of Partial Differential Equations (3) EN EGB

Power series solutions for ordinary differential equations, Sturm-Liouville theory, special functions. Vector methods with generalized coordinates. Separation of variables for partial differential equations. Green's functions. Calculus of variations. Numerical methods.

EGN 5423 Neural Networks and Mathematics for Communication (3) EN EGB

Finite fields and coding applications. Probabilities of error detection and correction. Introduction to neural networks. Advanced matrix algorithms: LU and QR factorizations, least-squares, pseudoinverses.

EGN 5424 Engineering Applications of Complex Analysis (3) EN EGB

Analytic functions, conformal mapping, residue theory, Laurent series, transforms. Applications to various problems in engineering and physics.

EGN 5425 Engineering Applications of Advanced Matrix Computations (3) EN EGB

Survey of theory and software for matrix computations: factorization methods, least squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.

EGS 1113 Introduction to Design Graphics (3) EN EGB

The student learns how to graphically represent technical designs using sketches, traditional drawing tools, and AutoCAD. The lab features twenty Pentium II computers running AutoCad R14.

EIA 3192 Technology Education and Society (4) ED EDV

Introduction to programs, facilities and opportunities in teaching Technology Education. Includes historical, current and futuristic implications of technology in society.

EIA 4360 Special Teaching Methods: Technology Education (3) ED EDV

Equips Technology Education instructors with professional competencies for classroom and laboratory settings. Includes the selection of appropriate methods, planning, and delivery of instruction, along with supervision of students in laboratory areas.

EIN 3241 Ergonomics I (3) US EIT

Using the fundamentals of the design process, this course demonstrates the critical importance of ergonomic tools and underlying physical human capacities.

EIN 4242 Ergonomics II (3) US EIT

PR: EIN 3241. This course applies the concepts of work design and measurements within the ergonomic arena to achieve work design that is ergonomically feasible and effective.

EIN 4243C Human Factors 6A (3) EN EGS

Design of man-machine systems, by taking into consideration both human and machine capabilities and limitations.

EIN 4312C Work Analysis (3) EN EGS

PR: EGN 3613C or EGN 3615, EGN 3443. Operation analysis and workspace design, work measurement, standard data, ergonomics, and labor costing.

EIN 4333 Production Control (3) EN EGS

PR: ESI 4312. Planning and control of production systems. Includes: forecasting and inventory control models, scheduling and sequencing, MRP, CPM/PERT, and resource requirements.

EIN 4352 Engineering Cost Analysis (3) EN EGS

PR: EGN 3615. This is a non-repeatable course restricted to Industrial Engineering majors. It provides students with the principles and techniques for the cost analysis, estimation and evaluation of engineering design in service and manufacturing organizations.

EIN 4364C Facilities Design (3) EN EGS

PR: EIN 4312C, EIN 4621; CR: ESI 4221, EIN 4333. Design and modification of industrial production and material handling facilities. Basic analysis techniques, use of computer programs, automated warehousing.

EIN 4601C Automation and Robotics (3) EN EGS

PR: EIN 4621. Introduction to the practices and concepts of automation as applied to material handling, inventory storage, material transfer, industrial processes and quality control.

EIN 4621 Manufacturing Processes (3) EN EGS

PR: EGS 1113. The study of basic manufacturing processes and precision assembly. CAD/CAM including NC programming.

EIN 4891 Capstone Design MW (3) EN EGS

PR: EIN 4364C; CR: ESI 4523. Course requires students to design an enterprise incorporating tools, techniques and approaches from industrial and management systems engineering. Students work in teams on an open-ended project that may be in either a service or manufacturing setting.

EIN 4933 Special Topics in Industrial Engineering (1-5) EN EGS

Special topics related to economic analysis, optimization, human factors, manufacturing and automation aspect of industrial systems. Repeatable up to 5 credit hours.

EIN 5174 Total Quality Management Concepts (3) EN EGS

This course will examine the methodology and procedures that companies use to improve quality and its operational benefits, including the management transformation (paradigm shift) that is evolving. Unrestricted. Nonrepeatable for credit.

EIN 5182 Principles of Engineering Management (3) EN EGS

Introduction to the fundamentals of planning, organizing and leadership as needed by engineers, scientists, and other professionals considering managerial positions.

EIN 5275 Work Physiology and Biomechanics (3) EN EGS

PR: CC, majors only. Human physiological limitations encountered in design, analysis and evaluation of man-machine systems.

EIN 5350 Technology and Finance (3) EN EGS

A course for technical managers that focuses on how financial and economic principles are utilized to make technical investments and manage technical enterprises.

EIN 5357 Engineering Value Analysis (3) EN EGS

PR: EIN 5219 or equiv., majors only. Statistical models for analyzing engineering alternatives from an economic viewpoint. The use of advanced engineering economy concepts in solving industrial problems.

EIN 5510 Manufacturing Systems Analysis (3) EN EGS

PR: CC, majors only. The study of systems of manufacturing entities such as machine tools, robots, and materials handlers. Emphasis is on mathematical description of integrated systems and system optimization.

EIV 4210 Program Management: Industrial-Technical Education (4) ED EDV

Planning, organizing, motivating and controlling of the learning environment in Industrial-Technical Education classroom and laboratories. Program standards for OSHA, program review, record keeping, and budgeting will be examined.

EIV 4360 Special Teaching Methods: Industrial-Technical Education (4) ED EDV

Instructional techniques in industrial-technical education. Vocational Industrial Clubs of America activities may be included.

EIV 5315 Program Management: Diversified Cooperative Training (3) ED EDV

Organization, coordination, and budgeting of adult, cooperative, and special programs.

ELD 4011 Introduction to Specific Learning Disabilities (3) ED EDS

PR: EEX 4011 or DPR. Characteristics, needs and abilities of children with SLD. Emphasis is on theories, issues, trends, and philosophy of problems for such children.

ELD 4905 Independent Study: Specific Learning Disabilities (1-3) ED EDS

PR: DPR. S/U only. Specialized independent study determined by student's needs and interests.

ELD 4909 Directed Study: Specific Learning Disabilities (1-3) ED EDS

PR: Senior standing, DPR. To extend competency in teaching field.

ELD 4941 Undergraduate Supervised Practicum in SLD (1-6) ED EDS

PR: EEX 4011. S/U only. DPR. Supervised field experiences in assessment, behavior management and clinical teaching with classes for children who have specific learning disabilities.

ELR 3301L Laboratory I (1) EN EGE

PR: EGN 3373 with a minimum grade of B. Basic circuit theory applications; computer-aided design tools, electrical measurement techniques.

ELR 3302L Laboratory II (1) EN EGE

PR: ELR 3301L and EEL 3302. This laboratory is designed to introduce electrical engineering students to the design, building and testing of active electronic networks. Computer Aided Design tools and computer data acquisition strategies are examined in greater detail.

ELR 4316L Wireless Circuits & Systems Design Laboratory (2) EN EGE

PR: EEL 4471. An extensive hands-on introduction to wireless radio frequency and microwave circuits and systems, involving modern measurements, fabrication and computer-aided design experiences at both component and sub-system levels. Not available on an S/U basis.

EMA 4003 Introduction to Materials Science (3) EN ECH

PR: ECH 4123 or Consent of Instructor. Introduction to the main families of materials and principles behind their design, selection, development, and behavior. Relationship of properties to structure and processing of materials. Not repeatable for credit. Majors and non-majors.

EMA 4324 Corrosion of Engineering Materials I (3) EN EGX

PR: EGN 3365L. Principles of electrochemical corrosion and the representation of corrosion processes by polarization diagrams. Origin and prevention of the localized forms of corrosion and approaches to corrosion control.

EMA 5326 Corrosion Control (3) EN EGX

PR: EGN 3365. Provide understanding of corrosion fundamentals. Introduce design for corrosion detection, protection, and control. Acquire research project experience.

EME 2040 Introduction to Computers in Education (3) ED EDK

Designed as an introduction to computer technology and its role in teaching and learning processes. Topics include educational software, ethical and social issues, hardware, interactive multimedia, models for integrating technology into instruction, productivity tools and telecommunications.

EME 5403 Computers in Education (3) ED EDK

A survey course designed to introduce practicing teachers to microcomputer technology and its function in the classroom to augment the teaching and learning processes. Objectives include the use and evaluation of educational software, classroom use of computers, instructional computing research, generic applications software (word processors, database managers, etc.), programming, disk operating systems, and microcomputer hardware.

EML 3035 Programming Concepts for Mechanical Engineers (1) EN EGR

PR: MAC 2281, PHY 2048 Solution of engineering and science problems using programming language such as Visual Basic or Maple. Topics include fundamentals of programming, controlling program flow and arrays. Restricted to majors; not repeatable for credit.

EML 3041 Computational Methods (3) EN EGR

PR: MAP 2302, EML 3035. Techniques to solving engineering problems using numerical methods. Topics include roots of equations, matrix algebra, simultaneous linear equations, numerical integration and differentiation, and curve fitting.

EML 3262 Kinematics and Dynamics of Machinery (3) EN EGR

PR: EGN 3321 Kinematics of machines and mechanisms; position, velocity, and acceleration analysis of mechanisms; cams; gear trains; inertia forces in mechanisms; flywheels; balancing of rotating masses.

EML 3303 Mechanical Engineering Lab I (3) EN EGR

PR: EGN 3443. CR: EML 3701, EML 3500. Engineering laboratory measurements. Use of the library and the writing of technical reports. Experiments in the measurement of temperature, pressure, fluid flow, psychrometrics, concentration, viscosity. Mass-energy balances of simple systems.

EML 3500 Mechanics of Solids (3) EN EGR

PR: EGN 3311. Stress and deflection analysis of machine parts, variable loads, endurance limits, fasteners, bearings, power transmission, code consideration of pressure and vacuum vessels, elements of design.

EML 3701 Fluid Systems (3) EN EGR

PR: EGN 3343, EGN 3321. Principles of fluid flow; piping and duct systems; fluid machinery; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 4031 Visual Basic for Engineers and Scientists (3) EN EGR

PR: EML 3041 Introduces students to the powerful graphical interface language of Visual Basic. Illustrates the use of the language in engineering and science applications.

EML 4106C Thermal Systems and Economics (3) EN EGR

PR: EGN 3343. Power and refrigeration cycles; fuels and combustion; internal combustion engine cycles; co-generation; nuclear energy; methods of economic analysis.

EML 4124 Heat Transfer (3) EN EGR

CR: EML 3701, EML 3041. Conduction, convection and radiant heat transfer; thermal properties of materials; role of fluid flow in convective heat transfer; design and selection of heat exchangers.

EML 4220 Vibrations (3) EN EGR

PR: EML 3262. Natural frequency, damping and resonance in single-degree-of-freedom systems. Vibration isolation and absorption. Lagrange's equations. Multi-degree of freedom systems. Introduction to vibration of continuous systems and predictive maintenance.

EML 4230 Introduction to Composite Materials (3) EN EGR

PR: EML 3500 and EML 3041. The course introduces manufacturing types and applications of advanced composites. Students study micromechanical and macromechanical behavior of a lamina and analyze and design a laminated structure made of advanced composite materials.

EML 4246 Tribology (3) EN EGR

PR: EML 4501. Introduction to friction, lubrication and wear. Contact of real surfaces, mechanics of friction, surface failures, boundary lubrication fluid properties, thin film lubrication, thick film lubrication, bearing and lubricant selection.

EML 4302 Mechanical Engineering Laboratory II (3) EN EGR

PR: EML 3303. Continuation of EML 3303 with emphasis on material and energy balances, stress analysis and vibrations. Lec.-lab. The Team-Project-Time Approach.

EML 4312 Mechanical Controls (3) EN EGR

PR: EGN 3321, EGN 3373. Introduces the concept of dynamic systems. Modeling of dynamic systems. Laplace Transforms. Transfer Functions. Block Diagrams. Characteristic equation. Time response of first and second order systems. Stability of dynamic systems. Routh stability criterion. Frequency response of dynamic systems. Polar plots and Bode plots. Introduction to state space model.

EML 4325 Mechanical Manufacturing Processes (3) EN EGR

PR: EGN 3365. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.

EML 4395 Motor Selection and Control (3) EN EGR

PR: ENG 3373 Standard electrical voltages; power wiring in industrial plants; NEMA motor designs and their uses; techniques for estimating motor starting times and temperature rise; motor selection, starting, and operating safety interlocks; conventional starting and control systems; programmable controllers; electrical code requirements for conductors and protective devices.

EML 4414 Power Plant Engineering (3) EN EGR

PR: EML 4106C. The study of large scale thermo-electric power conversion for utility systems. Combustion of hydrocarbon fuels, furnace, steam generated auxiliary system design. Topics include control of our emissions, design and performance of combined power facilities.

EML 4419 Propulsion I (3) EN EGR

PR: EML 3701, EML 3500 or CI. Introduction to the design of propulsion systems. Basic analysis of internal combustion, jet and rocket engines. Application to ground and air transportation. Advanced propulsion concepts. Special topics for class discussion.

EML 4421 Internal Combustion Engines (3) EN EGR

This course is for the application of thermodynamics, chemistry, dynamics of machinery, electronics and fluid mechanics. Topics covered are: introduction of engines, fuels and combustion, numerical modeling, ignition, fuel systems, balance of reciprocating mechanisms and emission control of exhaust pollutants.

EML 4501 Machine Design (3) EN EGR

PR: EML 3500. Designed to teach students to apply the principles of engineering mechanics, materials and manufacturing to the design/analysis of machine elements and mechanical systems. Emphasis is given toward good design practice as well as pitfalls that can result in a catastrophic failure.

EML 4551 Capstone Design MW (3) EN EGR

CR: EML 4501, EML 4124 Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS, CAD AND Pro/E.

EML 4552 Senior Mechanical Design (3) EN EGR

PR: CI. Comprehensive design or feasibility study project. In some cases may be a continuation of EML 4551.

EML 4601 Air Conditioning Design (3) EN EGR

PR: EML 4106C, EML 3701. Application of thermodynamics, heat transfer, and fluid flow to sizing of HVAC systems. Heating and cooling calculations, air requirements, equipment sizing. Energy Code requirements. Design project.

EML 4905 Independent Study (1-4) EN EGR

PR: CI. Specialized independent study determined by the student's needs and interests.

EML 4930 Special Topics in Mechanical Engineering (1-4) EN EGR

PR: CC.

EML 5930 Special Topics III (1-4) EN EGR

PR: CC.

EMR 4011 Mental Retardation and Developmental Disabilities (3) ED EDS

PR: EEX 4011 or equivalent. This course is designed to provide students with a broad introduction to the area of mental retardation and developmental disabilities with particular emphasis on the educational aspects. This course is required by the state for certification in mental retardation.

EMR 4230 Educating the Severely/Profoundly Handicapped (3) ED EDS

PR: EMR 3011 or DPR. Emphasis on educational methods and materials for teaching children with severe/profound handicaps. Practicum/field experience linkage.

EMR 4905 Independent Study: Mental Retardation (1-3) ED EDS

S/U. May be repeated when subjects vary. DPR. Specialized independent study determined by the student's needs and interests.

EMR 4909 Directed Study: Mental Retardation (1-3) ED EDS

PR: Senior standing, DPR. Offered only as a scheduled class. To extend competency in teaching field.

EMR 4941 Undergraduate Supervised Practicum in Mental Retardation (1-6) ED EDS

PR: EEX 4011. S/U only. DPR. Supervised field experiences in assessment, behavior management, and clinical teaching with children who have mental retardation.

ENC 1101 Composition I 6A EC (3) AS ENG

PR: ENC 1101 and ENC 1102 must be taken in numerical sequence. Instruction and practice in the skills of writing and reading.

ENC 1102 Composition II 6A EC (3) AS ENG

PR: ENC 1101. Instruction and practice in the skills of writing and reading.

ENC 1121 Composition I: Honors 6A EC (3) AS ENG

Reserved for students in University Honors. Honors Section of ENC 1101.

ENC 1122 Composition II: Honors 6A EC (3) AS ENG

PR: ENC 1121. Reserved for students in University Honors. Honors Section of ENC 1102.

ENC 2210 Technical Writing 6A (3) AS ENG

PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. Effective presentation of technical and semi-technical information.

ENC 3246 Communication for Engineers 6A (3) AS ENG

Focuses on writing concerns of engineers. Deals with the content, organization, format, and style of specific types of engineering documents. Provides opportunity to improve oral presentations. Will not be counted toward the English major.

ENC 3250 Professional Writing 6A (3) AS ENG

PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. Introduction to the techniques and types of professional writing, including correspondence and reports most often found in business, technical, and scientific communities.

ENC 3310 Expository Writing 6A (3) AS ENG

PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. A course teaching the techniques for writing effective prose, excluding fiction, in which student essays are extensively criticized, edited, and discussed in individual sessions with the instructor.

ENC 4260 Advanced Technical Writing (3) AS ENG

PR: ENC 2210, or ENC 3310, or CI. Advanced Technical Writing is a course designed to develop writing skills of a high order: technical exposition; technical narration, description, and argumentation; graphics; proposals; progress reports; physical research reports; and feasibility reports.

ENC 4311 Advanced Composition (3) AS ENG

PR: ENC 3310 or CI. Instruction and practice in writing effective, lucid, and compelling prose, with special emphasis on style, logical argumentation, and critical thinking.

ENC 4931 Selected Topics in Professional and Technical Writing (3) AS ENG

PR: ENC 3250, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student demand and instructor interest. Topics to be covered may include legal writing, the conventions of business writing, writing in the medical fields, and writing for the social sciences. May be taken twice for credit with different topics.

ENG 3014 Introduction to Literary Methodology (3) AS ENG

PR: ENC 1101 and ENC 1102. This course prepares English majors and minors with the basic critical and technical skills and understanding for subsequent literary study in 3000- and 4000-level courses towards the major. Substantial writing. For majors. Not repeatable.

ENG 4013 Literary Criticism (3) AS ENG

A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature. Required for Literature majors.

ENG 4060 History of the English Language (3) AS ENG

The evolution of language from Anglo-Saxon through Middle English to Modern English. Development of the English lexicon. Changes in the pronunciation, syntactic, and semantic systems; discussion of the forms which influenced them.

ENG 4906 Individual Research (1-4) AS ENG

PR: CC. Directed study in special projects.

ENG 4907 Directed Reading (3) AS ENG

PR: CC. Readings in special topics.

ENG 4935 Honors Seminar I (3) AS ENG

PR: Admission to English Honors Program. CR: ENG 4936. Variable topics. Students will be expected to participate in class discussion, make formal presentations, and complete a major research project.

ENG 4936 Honors Seminar II (3) AS ENG

PR: Admission to English Honors Program. CR: ENG 4935. Variable topics. Students will be expected to participate in class discussion, make formal presentations, and complete a major research project.

ENG 4970 Honors Thesis (3) AS ENG

PR: ENG 4935, ENG 4936. For students writing English Honors theses.

ENL 3015 British Literature to 1616 (3) AS ENG

A survey of representative prose, poetry, and drama from its beginnings through the Renaissance, including such poems and figures as *Beowulf*, Chaucer, Malory, More, Hooker, Skelton, Wyatt, Sidney, Spenser, Shakespeare, Donne, and Jonson.

ENL 3230 British Literature 1616-1780 (3) AS ENG

A survey of 17th Century and Neoclassical Literature, including such figures as Donne, Herbert, Crashaw, Vaughan, Marvell, Milton, Pope, Swift, Johnson, Boswell, and Goldsmith.

ENL 3251 British Literature 1780-1900 (3) AS ENG

The poetry and poetics of the Romantic figures, with attention to the continuing importance of Romantic thinking in contemporary affairs and letters; a survey of representative figures of the Victorian and Edwardian periods, including poetry, prose, and drama.

ENL 3273 British Literature 1900-1945 (3) AS ENG

Survey of poetry, drama, and fiction of such writers as Eliot, Yeats, Thomas, Conrad, Shaw, Joyce, Lawrence, Huxley, Woolf, Forster, Waugh, Owen, Auden, O'Casey, and others.

ENL 3331 Early Shakespeare (3) AS ENG

A study of from five to eight of Shakespeare's comedies, histories, and early tragedies, ending with *Hamlet*. Special attention to developing the student's ability to read and interpret the text.

ENL 3332 Late Shakespeare (3) AS ENG

A study of from five to eight of Shakespeare's problem plays, major tragedies, and late romances. Special attention to developing the student's ability to read and interpret the text.

ENL 3334 Shakespeare from an Historical Perspective HP (3) AS ENG

Examines the plays of Shakespeare from *Romeo and Juliet* to *Othello* as manifestations of the social, political, and intellectual forces of the time. Lectures will be available on audio tapes. Will not be counted toward the English major.

ENL 4122 19th Century British Novel (3) AS ENG

1) Study of the 19th-century British novel, including works by novelists such as Thackeray, Dickens, Eliot, Hardy, Trollope, and others. 2) Analysis of the characteristics of the novels and their historical, social, cultural, and political contexts.

ENL 4132 British Novel: Conrad to the Present (3) AS ENG

A critical study of British fiction from 1900 to the present, with emphasis on such writers as Conrad, Lawrence, Joyce, Woolf, Huxley, Orwell, Burgess, Murdoch, Golding, and others.

ENL 4303 Selected British Authors (3) AS ENG

The study of two or three major figures in British Literature. The course may include such writers as Fielding and Austen, Keats and Yeats, Joyce and Woolf. Specific topics will vary. May be taken twice for credit with different topics.

ENL 4311 Chaucer (3) AS ENG

An intensive study of *The Canterbury Tales* and major critical concerns.

ENL 4338 Advanced Studies in Shakespeare (3) AS ENG

PR: ENL 3331 or ENL 3332, or CI. Intensive study of selected plays of Shakespeare, with special attention to significant critical issues and to the Elizabethan and Jacobean cultural setting.

ENL 4341 Milton (3) AS ENG

Study of the poetry and major prose of John Milton, with special emphasis on *Paradise Lost*.

ENV 4001 Environmental Systems Engineering (3) EN EGX

CR: EGN 3353. An introduction to various aspects of environmental problems faced by today's society. Topics covered are: air pollution, water pollution, noise pollution, solid waste management, ionizing radiation, disease transmission, and food protection.

ENV 4004L Environmental/Hydraulics Engineering Lab (1) EN EGX

PR: EGN 3353. CR: ENV 4001. Laboratory experience in the measuring of environmental and hydraulic parameters.

ENV 4351 Solid Waste Engineering (2) EN EGX

Introduction to the principles of integrated municipal solid waste management; waste minimization, recycle and disposal options. Design of landfill disposal systems. Course restricted to Civil and Environmental Engineering majors.

ENV 4417 Water Quality and Treatment (3) EN EGX

PR: EGN 3353 An introduction to municipal water supply and waste water treatment. Topics include water requirements and waste volumes, water quality, physical and chemical treatment processes, and advanced wastewater treatment processes.

ENV 4502 Water Treatment Engineering (3) EN EGX

PR: EGN 3353. CR: ENV 4001. The theory and the design of unit operations normally used in the practice of environmental engineering, such as agitation and mixing of liquids, filtration, leaching, gas absorption, sedimentation and clarification, drying, and evaporation.

ENV 4503 Wastewater Treatment Engineering (3) EN EGX

PR: ECH 3023C, EGN 3353, ENV 4001. The theory and design of unit processes normally used in environmental engineering such as coagulation of colloidal materials, water stabilization, water softening and neutralization, ion exchange, adsorption and oxidation processes for removal of iron and magnesium.

ENV 4552C Environmental Unit Operations and Processes (3) EN EGX

PR: ENV 4001, ENV 4417 or CI. Theory, experimental investigation, and modeling of operations and processes in engineered and natural systems. Laboratory evaluation of unit operations and processes used in water and wastewater treatment including chlorination, activated carbon absorption, biological treatment, gas/liquid mass transfer, filtration, coagulation, flocculation, and settling. Application of experimental data to process analysis and design. Field monitoring of surface water quality; simulation of transport and transformation of pollutants in surface waters.

ENV 4891 Capstone Environmental Engineering Design MW (3) EN EGX

PR: CWR 4540, ENV 4001, ENV 4417. A capstone environmental design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water treatment and water transport systems and wastewater and collection systems. The course emphasizes the design procedure normally used in engineering practice.

ENV 5103 Air Pollution Control (3) EN EGX

PR: EGN 3353. Behavior and effects of atmospheric contaminants and the principles of making measurements in the air environment. Basic concepts of meteorology and control technology are discussed. Regulatory aspects and air pollution standards are covered.

ENV 5334 Hazardous Waste Management and Remedial Action (3) EN EGX

PR: ENV 5345 and one of the following: ENV 6347, ENV 6519, ENV 6558; or CI, majors only. Undergraduate preparation in environmental engineering or an environmental science program. Introduction to hazardous waste management and remediation: RCRA regulatory concepts, definitions, aspects of hazardous waste management from within the plant to final disposal. History of hazardous waste cleanup leading to CERCLA and its amendments, site investigations; site control; those aspects of treatment that are unique to remedial action.

ENV 5345 Solid Waste Control (3) EN EGX

PR: CI. Undergraduate preparation in environmental engineering, or graduate standing in environmental engineering or an environmental science program. Introduction to solid waste management, including its definition as an umbrella for hazardous waste: regulatory concepts; waste types, quantities, and characterization; collection and recycling; facility siting; disposal; thermal treatment.

ENV 5504C Environmental Engineering Processes (3) EN EGX

PR: ENV 4001, ENV 4004L, ENV 4417 Theory, experimental investigation, and modeling of operations and processes in engineered and natural systems. Laboratory evaluation of unit operations and process used in water and wastewater treatment including chlorination, activated carbon adsorption, biological treatment, gas/liquid mass transfer, filtration, coagulation, flocculation, and settling. This course is restricted to majors, has no external laboratory section associated with the course, is not available on an S/U basis only, is not cross-listed with another department or college.

ENY 3004C Introduction to Entomology (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course, or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Fieldwork required. Lecture and Laboratory.

ENY 5505C Aquatic Entomology (4) AS BIO

PR: ENY 3004C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and CI. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Fieldwork required. Lecture and Laboratory.

EPH 5051 Advanced Theories in Motor and Physical Disabilities (3) ED EDS

PR: EEX 4011 or DPR. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system covering motor, sensory, language and psychological disorders.

EPH 5321 Educational Strategies for Physically and Multihandicapped Students (3) ED EDS

PR: EPH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.

ESC 4705 Geology and Development of Modern Africa MW (3) AS GLY

An in-depth look at how geology has affected the politics, history and culture of Africa. Units include the Nile and hydropolitics, deserts and climate, rifting and hominid evolution, and mining and politics.

ESE 4322 Classroom Management for Diverse School and Society (3) ED EDI

Focuses on classroom management in secondary schools including classroom climate, specific strategies to address management issues, school safety, violence, diversity, ethics, and educational law.

ESE 5342 Teaching the Adolescent Learner (3) ED EDI

Emphasis is placed on adolescent developmental and learning needs linking them to practices in the classroom appropriate to the diverse secondary education population (ESOL, special education, multicultural, at-risk, etc.) in preparation for planning responsive standards-based instruction.

ESE 5344 Classroom Management for a Diverse School and Society (3) ED EDI

This course covers practical, theoretical, philosophical and ethical aspects of school and society, the education profession, and secondary schools with particular focus on classroom management, school violence, school safety, educational law and other critical social issues.

ESI 4142 Project Management (3) EN EGS

PR: EGN 3443. Provide principles and techniques for planning, scheduling and managing projects in engineering and related environments. Applies analytical tools and techniques including software to solve project management problems. Not restricted. Non-repeatable.

ESI 4221 Industrial Statistics and Quality Control (3) EN EGS

PR: EGN 3443, EIN 4621. Application of statistical techniques to the control of industrial processes. Control charts, acceptance sampling, design of experiments, analysis of variance and regression.

ESI 4244 Design of Experiments (3) EN EGS

PR: EGN 3443. Activity forecasting models and control. Design and use of inventory control models, both designs applicable to engineering analyses. Analysis of variance and regression.

ESI 4312 Deterministic O. R. (3) EN EGS

PR: COP 2510, EGN 4450. An introduction to operations research techniques with particular emphasis on deterministic models. Linear programming, dynamic programming, goal programming, integer programming, and PERT/CPM networks are considered.

ESI 4313 Probabilistic O. R. (3) EN EGS

PR: COP 2510, EGN 3443. Probabilistic models in Operations Research. Discrete and continuous time processes, queuing models, inventory models, simulation models, Markovian decision process and decision analysis.

ESI 4523 Industrial Systems Simulation (3) EN EGS

PR: ESI 4313. A study of the development and analysis of computer simulation models: Monte Carlo, time-slice, and next-event. Introduction to special purpose simulation languages.

ESI 4905 Independent Study (1-5) EN EGS

PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

ESI 4911 Senior Project (2) EN EGS

PR: EIN 4364, CR: EIN 4333, ESI 4523. Analysis and design of systems in a directed project format. Individual or group work consisting of project proposal, project activities, and final report. Student projects are directed by faculty, with chairman's approval.

ESI 5219 Statistical Methods For Engineering Managers (3) EN EGS

Not open to students who have had EGN 3443. Study of statistical methods applied to engineering management problems involving estimation and prediction under conditions of uncertainty.

ESI 5236 Reliability Engineering (3) EN EGS

PR: ESI 5219 or equiv., majors only PR: EGN 3443 or equivalent. Fundamental concepts of reliability. Estimation of reliability of systems and components. Measures of availability, maintainability and reliability.

ESI 5306 Operations Research For Engineering Management (3) EN EGS

Not open to students who have had ESI 4312. ESI 5219 or equiv., majors only. Linear programming, non-linear programming, queuing, inventory, network analysis.

ESI 5522 Computer Simulation (3) EN EGS

PR: ESI 4521 or equiv., majors only. Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

ETG 3612 Operations Management (3) EN ESB

PR: MAC 1105, CR: STA 2023. This course examines global strategies, project management, forecasting, location, scheduling, human resources, quality and math models as applied to the design and management of industrial operations.

ETG 3931 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored.

ETG 3933 Selected Topics in Technology (1-5) EN ESB

Selected Topics in Technology is repeatable for credit for 12 hours.

ETG 3934 Selected Topics in Technology (1-5) EN ESB

Selected Topics in Technology is repeatable for credit for 12 hours.

ETG 4930 Special Topics for Information Technology (1-4) US EIT

Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored.

ETG 4931 Special Topics in Technology I (1-5) EN ESB

PR: Cl. No credit for Engineering Majors.

ETG 4932 Special Topics in Technology II (1-5) EN ESB

PR: Cl. No credit for Engineering Majors.

ETI 4116 Industrial Quality Control (3) US EIT

PR: STA 2023. This course teaches the students the fundamental concepts of managing a quality assurance system.

EUH 2000 Western Civilization I (3) AS HTY

This course surveys the development of western civilization from the beginnings of Near Eastern civilization to the Renaissance.

EUH 2001 Western Civilization II (3) AS HTY

This course surveys the development of western civilization from the Renaissance to the present.

EUH 2011 Ancient History I HP (3) AS HTY

An introductory survey of ancient history. EUH 2011 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome.

EUH 2012 Ancient History II HP (3) AS HTY

An introductory survey of ancient history. EUH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire, A.D. 285.

EUH 2021 Byzantium History HP (3) AS HTY

A thematic survey of the history of the medieval Byzantine Empire and neighboring civilizations from ca. 284-1453.

EUH 2022 The Medieval West HP (3) AS HTY

A thematic survey of Western European and Mediterranean civilizations from ca. 312-1453.

EUH 2030 Modern European History I HP (3) AS HTY

A thematic survey of Europe in the modern age. EUH 2030 treats the period from the Renaissance to the French Revolution.

EUH 2031 Modern European History II HP (3) AS HTY

A thematic survey of Europe in the modern age. EUH 2031, treats the period from the French Revolution to the present.

EUH 3142 Renaissance and Reformation (4) AS HTY

A history of Europe from the Renaissance to the Thirty Years' War (1400-1618). The cultural, social, and economic characteristics will provide the framework for artistic, philosophical, religious, and political developments.

EUH 3181 Medieval Culture (4) AS HTY

A survey of thought, culture, and art in the Middle Ages. Medieval attitudes as manifested in literature, art, philosophy, education, and religion; with emphasis upon Medieval man's changing perception of himself and his world.

EUH 3185 Viking History (4) AS HTY

The role of the Vikings in the shaping of Western history. A comprehensive survey of their institutions, outlook and daily life. Viking expansion into Europe and North America.

EUH 3188 Medieval Society (4) AS HTY

A study of the daily life and attitudes of the medieval nobleman, peasant, townsmen, and the agrarian-urban economy and society which affected their lives.

EUH 3189 Medieval Politics (4) AS HTY

An inquiry into the nature, distribution, and use of political power during the Middle Ages, in such institutions as feudalism, monarchy, cities, and the church.

EUH 3202 History of 17th and 18th Century Europe (4) AS HTY

A history of Europe from the beginning of the Thirty Years' War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUH 3205 History of Nineteenth Century Europe (4) AS HTY

A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUH 3206 History of Twentieth Century Europe (4) AS HTY

A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

EUH 3401 Classical Greece (4) AS HTY

A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing as well the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.

EUH 3402 Age of Alexander (4) AS HTY

A study focusing on the career of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome's conquest of the eastern Mediterranean.

EUH 3412 Roman Republic (4) AS HTY

A study of the Roman Republic from 509 B.C. to the assassination of Julius Caesar in 44 B. C., with a prelude treating Rome's early development under royal rule. Political growth and change provide the framework for the treatment.

EUH 3413 Roman Empire (4) AS HTY

A study of Imperial Roman from the assassination of Julius Caesar in 44 B.C. to the death of the emperor Constantine in A.D. 337. Emphasized is Rome's government of a vast Mediterranean empire including much of the near East and Europe.

EUH 3461 German History to 1870 (4) AS HTY

A political, social, and cultural approach to the history of the Germanys from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

EUH 3462 German History 1870 to the Present (4) AS HTY

A political, social, and cultural approach to the history of the German Empire from 1870 through the 1970's. The nation's two attempts to try for world power status are highlighted, as well as the Weimar Republic, prototype of the embattled democracy.

EUH 3501 British History to 1688 (4) AS HTY

A study of major developments in British history from the 15th century to 1688.

EUH 3502 British History 1688 to Present (4) AS HTY

A study of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern demographic welfare state.

EUH 3575 History of Imperial Russia, 1689-1917 (4) AS HTY

A survey of social, political, economic, and cultural development in the Russian Empire from Peter the Great to Nicholas II. Topics include the expansion and modernization of the Empire, the culture of the Imperial court, peasant rebellions, social and legal reforms, the role of the West, and the collapse of the Romanov dynasty.

EUH 3576 History of the Soviet Union, 1917-1991 (4) AS HTY

A study of Soviet society under communism from the Revolution to the collapse of the USSR. Topics include the origins and development of revolutionary socialism, the Bolshevik seizure of power, Stalinism and the Great Terror, popular dissent and resistance, the treatment and experience of ethnic minorities, Gorbachev and the dissolution of the Soviet Union.

EUS 3000 Europe SS (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EUS 3022 Russia SS HP AF (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EVR 2001 Introduction to Environmental Science NS (3) AS ESP

An introductory lecture course linking the human and physical/biological world. The course will develop an understanding of population and resource interactions.

EVR 2001L Environmental Science Lab (1) AS ESP

A laboratory course linking the human and physical/biological world. The lab will develop an understanding of population and resource interactions and complement the lecture course. Field trips.

EVR 2002 Environmental Science: Regional and Global Issues NS (3) AS ESP

This course will provide students with an understanding of the scientific principles underlying today's global environmental problems and their potential solutions. We will examine how our social, political and economic systems affect the environment.

EVR 2217 Energy, Environment and Sustainability NS (3) EN ECH

PR: MAC 1105. A critical analysis of energy sources, distribution and consumption using scientific methodology. Attributes of commonly used energy sources including environmental impact. Social, political and economic implications from a global perspective.

EVR 2861 Introduction to Environmental Policy (3) AS ESP

An introduction to environmental policy using class lectures, student projects, and independent readings. Emphasis will be placed on understanding basic policy mechanisms and major policy actions relating to environmental issues at the local, national and international level.

EVR 4027 Wetland Environments MW (3) AS ESP

PR: PCB 3043 or CI. Study of the general properties and ecology of wetlands, examination of the distribution and functions of wetlands, and consideration of wetland conservation and policies.

EVR 4104 Karst Environments NS (3) AS ESP

PR: EVR 2001. The objective is to provide an understanding of the scientific principles pertaining to karst environments in Florida and around the world. Both physical processes and human interactions/impacts will be examined. Not restricted to majors and not repeatable.

EVR 4114 Climate Change NS (3) AS ESP

PR: EVR 2001. The objective is to provide an understanding of the scientific principles pertaining to global and regional climate change. Both mechanisms causing the change and human impacts on climate will be examined. Not restricted to majors and not repeatable.

EVR 4218 Research Methods in Wildlife Ecology (3) AS ESP

Research Methods in Wildlife Ecology will review the ways in which data are collected, analyzed, and reported, so that informed decisions about wildlife management and conservation can be made. The course will have both classroom and field components.

EVR 4900 Directed Readings (1-6) AS ESP

To provide advanced students with interdisciplinary research experience in areas of specific interest.

EVR 4905 Independent Study (1-6) AS ESP

To provide advanced students with the opportunity for independent study in areas of specific interest.

EVR 4910 Environmental Science and Policy Project (3-12) AS ESP

Open to senior majors only. S/U only. Environmental science project consisting of research in a field related to environmental science/environmental policy. Supervised by a faculty member. Contract and report required.

EVR 4921 Environmental Science and Policy Seminar (1) AS ESP

Restricted to senior majors. S/U only. A topical reading and discussion seminar focusing on the interdisciplinary nature of environmental science and environmental policy.

EVR 4930 Selected Topics (1-4) AS ESP

Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of Environmental Science, Policy, Ethics and Law included.

EVR 4940 Environmental Science Internship (3-12) AS ESP

Open to senior majors only. S/U only. The purpose of this course is to promote the student's understanding and application of environmental science and policy within a practical organizational context. Contract and report required.

EVT 4065 History and Principles of Vocational Education (4) ED EDV

An overview of current policies and principles in vocational education including their historical, sociological, and philosophical bases. Open to majors and non-majors.

EVT 4084C Professional Development in Industrial Technical Education (1-3) ED EDV

Designed for the ITE teacher in forming plans of professional development. Competencies include the development of a personal education philosophy; attributes in creating harmonious school community relationships; and desirable staff and teacher associations.

EVT 4165 Curriculum Construction: Industrial-Technical Education (4) ED EDV

Design, development, implementation and evaluation of effective curricular materials in industrial, technical and health related occupations; includes individualized and self-paced materials. Open to majors and non-majors.

EVT 4365 Basic Teaching Methods in Vocational Education (4) ED EDV

Examines the role of the vocational instructor in the teaching learning process; looks at factors that promote and inhibit learning. Reviews a wide variety of instructional approaches, techniques and methods; includes selection of techniques for situations.

EVT 4367 Assessing Student Skill in Industrial Technical Education (4) ED EDV

Techniques for assessing student's mastery of skills in industrial/technical education. Focuses on specific competencies including developing and administering performance tests, monitoring student process, and others. Open to majors and non-majors.

EVT 4562 Vocational Education for Special Needs Students (4) ED EDV

Focuses on modifying the vocational education curriculum, laboratory, shop, student outcomes, learning activities, tests, media, etc. to accommodate the unique learning needs of minority, handicapped, disadvantaged, non-traditional and other special needs students.

EVT 4651 Equity in Schools and the Workplace 6A MW (3) ED EDV

Issues related to gender equity in schools and the workplace. Includes legal, ethical, psychological, sociological, and economic factors; males and females in traditional and non-traditional occupations.

EVT 4905 Independent Study: Industrial-Technical Education (1-4) ED EDV

PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

EVT 4909 Directed Study: Industrial-Technical Education (1-3) ED EDV

PR: CI. To extend competency in teaching field.

EVT 4936 Senior Seminar in Industrial-Technical Education (2) ED EDV

PR: Senior standing; CR: EVT 4940. Synthesis of teacher candidate's courses in complete college program.

EVT 4940 Internship: Industrial-Technical Education (1-12) ED EDV

CR: EVT 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours.

EVT 4946 Supervised Field Experience: Industrial-Technical Education (1-6) ED EDV

PR: CI. S/U only. Planned supervised functions in the area of specialization and coordinated with selected schools, government, offices, social agencies, businesses and industries on site.

EVT 5369 Preparation and Development for Teaching (4) ED EDV

The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.

EVT 5664 School Community Development (3) ED EDV

Identifying, assessing, and analyzing, individual, institutional and community needs for the purpose of cooperative program planning, community involvement, and public support.

EXP 4104 Sensory Processes (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Psychophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.

EXP 4204C Perception (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Topics include sensory and physiological bases of perception and how people process relevant information in their environments.

EXP 4304 Motivation (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. A survey of motivational processes and mechanisms from physiological and psychological viewpoints.

EXP 4404 Psychology of Learning (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in conditioning and instrumental learning.

EXP 4640 Psychology of Language (3) AS PSY

PR: PSY 3213. Historical survey of relations between psychology and linguistics leading to the emergence of psycholinguistics as a field of study. The current status of theory and research in the field will be covered.

EXP 4680C Cognitive Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.

FIL 2000 Film: The Language Of Vision 6A FA (4) VP ART

Exploration of the history of creative filmmaking from its beginnings to the present time. Open to both majors and non-majors.

FIL 3004 The Film as Mass Communication I: Syntax (3) AS COM

PR: MMC 2100 and MMC 3602 or DPR. The language, conventions, elements, and patterns of the film medium as related to current models of effective mass communication and new theories of nonverbal communication.

FIL 3400 Film as Mass Communication II (3) AS COM

A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture and television films.

FIL 3427C Beginning Film (3) VP ART

Intermediate problems in film with emphasis on the exploration of materials and media and the development of individual concepts.

FIL 3845 World Cinema 6A FA (4) VP ART

Offers international perspectives through an examination of films from around the world. Each week narrative films from acclaimed directors will be screened, read about and discussed.

FIL 4050 Social History of the Film, 1945 to the Present (3) AS COM

PR: MMC 2100 and MMC 3602 or DPR. The development of the film from 1945 to the present.

FIL 4433C Advanced Film (3) VP ART

PR: FIL 3845. More advanced projects in filmmaking to further develop works both technically and conceptually.

FIL 5469C Cinematography (4) VP ART

Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions.

FIN 2104 Personal Finance (3) BA FIN

Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Survey of the problems and techniques of personal

financial planning. Includes consumer credit, insurance, home ownership, and personal investing, with attention given to current economic and legal constraints.

FIN 2106 Introduction to Investments (3) BA FIN

Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Emphasizes the operations of the security markets and the risks and returns of alternative investment media. Designed for non-business administration students.

FIN 2935 Selected Topics in Finance (1-6) BA FIN

Not available for credit to upper-level students who have been admitted to the College of Business Administration. Topics to be selected by department chair.

FIN 3233 Money and Banking (3) BA FIN

PR: ECO 2013. Examines the structure and operations of the U.S. monetary system, commercial banking, central banking, money, and capital markets, and provides an introduction to monetary theory and policy.

FIN 3403 Principles of Finance (3) BA FIN

PR: ACG 2071, ECO 2013, and ECO 2023. Study of the processes, decision structures, and institutional arrangements concerned with the use and acquisition of funds by a firm. Includes the management of the asset and liability structure of the firm under certain and risky situations. The financial decision process will include and recognize the international as well as domestic aspects of financial management.

FIN 3604 International Finance (3) BA FIN

PR: FIN 3403. Study of factors affecting international business, assessment of risks, international managerial finance, institutions and instruments of international business finance.

FIN 4245 Federal Reserve System and Monetary Policy (3) BA FIN

PR: FIN 3233 or CI. An analysis of the Federal Reserve System, with special emphasis on monetary theory and the formulation and administration of monetary policy.

FIN 4303 Financial Institutions and Markets (3) BA FIN

PR: FIN 3403. A study of financial institutions and their roles in the capital markets; includes the savings allocation, investment, and financial decision making processes.

FIN 4324 Bank Management (3) BA FIN

CP: FIN 3403. Application of traditional finance concepts to the management of commercial banks with emphasis on decision making and problem-solving techniques to major problem areas in banking.

FIN 4412 Working Capital Management (3) BA FIN

PR: FIN 3403. An examination of short-term financial management - that is, policies and decisions related to managing the current operations of a firm. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.

FIN 4414 Advanced Corporation Finance (3) BA FIN

PR: FIN 3403. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganizations.

FIN 4443 Financial Policies and Strategies (3) BA FIN

PR: FIN 4414. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.

FIN 4461 Financial Statement Analysis (3) BA FIN

PR: FIN 3403. Provides an understanding of the relationship between financial statements produced in accordance with GAAP and the informational content such statements provide. After completing the course, the student should have a better understanding of the usefulness of published financial statements to various users in a variety of circumstances.

FIN 4504 Principles of Investments (3) BA FIN

PR: ECO 2013 and FIN 3403. Survey of the risks and returns of investment media in relation to the investment objectives of individual and institutional investors. Includes an examination of the capital markets, information flows, and analytical techniques in terms of their impact on the valuation process.

FIN 4514 Advanced Investment Analysis and Management (3) BA FIN

PR: FIN 4504. A comprehensive study of security analysis and portfolio management. The course will utilize a quantitative approach to investment selection and management.

FIN 4905 Independent Study (1-3) BA FIN

PR: CI, CC. S/U only. Specialized independent study determined by the student's needs and interests.

FIN 4915 Independent Research (1-3) BA FIN

PR: CI. The research project will be mutually determined by the student and instructor.

FIN 4934 Selected Topics in Finance (1-3) BA FIN

Topics to be selected by instructor and department chairperson on pertinent finance issues.

FLE 4290 Technology in the Foreign and Second Language Classroom (3) ED EDX

This course prepares pre-service and in-service teachers to infuse technology into foreign language and ESOL instruction. Students will develop technology skills and knowledge based on sound pedagogical

principles that reflect research and theory in Second Language Acquisition and will apply this practical and theoretical knowledge to K-16 Foreign Language/ ESOL instructional situations.

FLE 4314 Methods of Teaching Foreign Languages and ESOL in the Elementary School (3) ED EDX

PR: EDG 4620 or concurrent registration. Fluency in target language and in English. Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom.

FLE 4316 Language Principles and Acquisition (1-3) ED EDX

PR: FLE 4317. Overview of applied Second Language Acquisition theory and the components of language, linking them to methods and techniques of providing comprehensible instruction and supporting the development of oral proficiency and literacy skills for (LEP) children.

FLE 4317 Teaching Students with Limited English Proficiency (3) ED EDX

This course is designed to prepare preprofessional teachers to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for students with Limited English Proficiency.

FLE 4333 Methods of Teaching Foreign Languages and ESOL in the Secondary School (3) ED EDX

PR: FLE 4314. Fluency in the target language and in English or DPR. Methods of teaching foreign languages within a communicative framework. Includes examination and practice of current instructional techniques in listening, speaking, reading and writing skills, testing, error correction, and computer assisted language instruction. The emphasis is on teaching foreign languages and teaching for cultural understanding at the secondary level 7-12.

FLE 4362 ESOL 1 - Curriculum and Pedagogy of ESOL (3) ED EDX

This course is designed to prepare pre-professional (pre-service) teachers to provide linguistically and culturally appropriate instruction, learning opportunities and assessment for English Language Learners (ELLs) in grades K-12.

FLE 4363 ESOL 2 - Literacy Development in English Language Learners (3) ED EDX

PR: FLE 4362 or FLE 4317. This course is designed to provide students with a critical understanding of instructional delivery which caters to the linguistic and literacy needs of minority/heritage communities. Providing students with a sociocultural-critical theoretical framework.

FLE 4364 ESOL 3 - Applying Linguistics to ESOL Teaching and Testing (3) ED EDX

PR: FLE 4362 and FLE 4363. This course provides an overview of the components of language, linking them to methods and techniques of providing comprehensible instruction to English Language Learners (ELLs) and supports the development of professional literacy skills.

FLE 4365 ESOL Competencies and Strategies (1-3) ED EDX

Designed to enable participants to meet the special limitations and cultural educational needs of LEP students in content area classes. Designed to provide a theoretical and practical foundation for ESOL competencies and strategies.

FLE 4370 Practicum in Foreign Language Teaching in the Secondary School (3) ED EDX

PR: Senior standing or enrollment in Plan II Master's Program or DPR. Required concurrently with FLE 4314 or FLE 4333. Fluency in the target language and in English. Pre-internship field experience in a K-12 environment. Will include observation and practice in a K-12 classroom as well as class meetings.

FLE 4936 Senior Seminar in Foreign Language Education (2) ED EDX

PR: Senior standing. Required concurrently with internship. Synthesis of teacher candidate's courses in complete college program.

FLE 4940 Internship: Foreign Language Education (1-12) ED EDX

Intern takes Senior Seminar in Education concurrently. S/U only. One full semester of internship in a public or private school.

FLE 5145 Language Principles, Acquisition and Teaching (3) ED EDX

PR: FLE 5345 Restricted to Education majors and not repeatable for credit. Overview of applied SLA theory and components of language. Methods & techniques of comprehensible instruction and the development of oral proficiency and literacy skills for LEP children.

FLE 5291 Technology in the Foreign Language Classroom (3) ED EDX

PR: FLE 5313 and FLE 5331. This course is intended to prepare foreign/second language teachers to provide pedagogically sound and technologically enhanced instruction for foreign language and second language students in the K-16 realm. Basic computer literacy is recommended.

FLE 5313 Methods of Teaching Foreign Language and ESOL in the Elementary School (3) ED EDX

This course is designed to provide training in the theory and methods of teaching foreign languages and ESOL in the elementary school (FLES) to both pre- and in-service teachers.

FLE 5331 Methods of Teaching Foreign Language and ESOL in the Secondary School (3) ED EDX

PR: FLE 5313. This course provides for the development of knowledge and skills necessary to prepare students to assume roles as foreign language (FL) and ESOL teachers at the secondary school level. It represents the second part of a sequence of methods courses.

FLE 5345 Teaching English Language Learners K-12 (3) ED EDX

This course is restricted to Education majors and is not repeatable for credit. It is designed to prepare preprofessional teachers to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for LEP students.

FLE 5366 ESOL Education in Content Areas (3) ED EDX

Enables participants to meet the special linguistic & cultural educational needs of limited English proficient (LEP) students in content area classes. Provides a theoretical & practical foundation for ESOL competencies in courses include ESOL infusion.

FLE 5430 ESOL I - Theory and Practice of Teaching English Language Learners (3) ED EDX

This course is for undergraduate degree holding, preprofessional (preservice) teachers to learn about appropriate instruction, assessment and learning opportunities for Limited English Proficient (LEP) students in the content areas.

FLE 5431 ESOL II-Secondary Language & Literacy Acquisition in Children & Adolescents (3) ED EDX

PR: FLE 5430. This course is designed to provide students with a critical understanding of instructional delivery which caters for the linguistic and literacy needs of minority / heritage communities.

FLE 5432 ESOL III-Language Principles, Acquisition & Assessment for English Language Learners (3) ED EDX

PR: FLE 5431. This course provides an overview of the components of language, linking them to methods and techniques of providing comprehensible instruction to LEP students.

FLE 5895 Dual Language Education (3) ED EDX

This course is for teachers who are interested in bilingual education. The aim is to deconstruct the philosophical, theoretical, political, social and educational underpinning of instruction (K-16) when it is delivered through two languages.

FLE 5940 ESOL Practicum (1-3) ED EDX

PR: FLE 5345 and FLE 5145. Must be taken in the semester prior to final internship. This course is restricted to Education majors and will not be repeatable for credit. A structured field experience with Limited English Proficient students.

FLE 5946 Practicum in Foreign Language/ESOL Teaching (3) ED EDX

PR: FLE 5313. CR: FLE 5331. This course prepares students for their internship by providing a structured pre-internship experience while meeting regularly in a university class. Opportunity to see teachers in action.

FOL 3100 General Foreign Language I (1-4) AS WLE

A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or in professional translation.

FOL 4101 General Foreign Language II (1-3) AS WLE

A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or for workshops in professional interpreting.

FOL 4905 Directed Study (1-3) AS WLE

Departmental approval required.

FOL 5906 Directed Study (1-3) AS WLE

PR: FOL 4101 or equivalent.

FRE 1120 Beginning French I (4) AS WLE

CR: FRE 1120L. The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

FRE 1120L Beginning French I Laboratory (1) AS WLE

CR: FRE 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

FRE 1121 Beginning French II (4) AS WLE

PR: FRE 1120 or equivalent. CR: FRE 1121L. A continuation of FRE 1120.

FRE 1121L Beginning French II Laboratory (1) AS WLE

CR: FRE 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

FRE 1170 Overseas Study-Elem. French (4) AS WLE

Departmental approval required. Elementary-level French taught in France. In lieu of FRE 1120 and FRE 1121.

FRE 2200 French III (3) AS WLE

PR: FRE 1121 or equivalent. A review of the basic structure of French.

FRE 2201 French IV (3) AS WLE

PR: FRE 2200 or equivalent. Readings in French on the intermediate level.

FRE 2240 Conversation II (3) AS WLE

PR: FRE 2241 or equivalent proficiency Conversation practice with concentration on current idiomatic usage.

FRE 2241 Conversation I (3) AS WLE

PR: FRE 1121. For development of basic conversational skills.

FRE 2270 Overseas Study-Intro. French (1-6) AS WLE

PR: Two semesters of university-level French or equivalent proficiency. Departmental approval required.

FRE 3234 Reading in French Literature and Culture (3) AS WLE

PR: FRE 2201 or equivalent. This course is designed to build reading skills in French while giving students a broad background in French culture.

FRE 3420 Composition I (3) AS WLE

PR: FRE 2200 and/or FRE 2201. A fundamental composition course for students who have completed FRE 2200 and/or 2201.

FRE 3440 French For Business (3) AS WLE

PR: FRE 2200 or equivalent. An introduction to the French language in ordinary business transactions.

FRE 3470 Overseas Study (1-6) AS WLE

Departmental approval required. An intensive study-travel project in France.

FRE 3500 French Civilization (3) AS WLE

Readings and discussion on the cultural history of France.

FRE 3502 The Francophone World MW (3) AS WLE

An undergraduate 3 credit course, which offers an overview of the main French speaking cultures throughout the world, outside of France: French Canada, the Caribbean, Belgium, Switzerland, the Maghreb, Sub-Saharan Africa, the Indian Ocean, the Middle East, Southeast Asia, Louisiana.

FRE 4392 African Images in Francophone Film HP AF SS MW (3) AS WLE

This is a film based course and technologically enhanced course which will look at cultural, socio-economic, political and gender issues in French speaking Africa. Course materials will be available in English and French.

FRE 4421 Composition II (3) AS WLE

Continuation of French composition. This course is designed to follow FRE 3420.

FRE 4471 Advanced Overseas Study (1-6) AS WLE

PR: FRE 3470 or CI. Departmental approval required. Intensive language study in France.

FRE 4700 French Linguistics (3) AS WLE

PR: LIN 3010 and FRE 2201 or equivalent. An introduction to the phonological, morphological and syntactic structure of French.

FRE 4905 Directed Study (1-3) AS WLE

Departmental approval required.

FRE 4930 Selected Topics (1-3) AS WLE

Study of an author, movement or theme.

FRE 5425 Advanced Written Expression (3) AS WLE

PR: FRE 4421, or equivalent. Course is designed to give advanced training in free composition in French.

FRE 5566 Contemporary France (3) AS WLE

PR: FRE 3500 or equivalent or graduate standing. An advanced course in French civilization and culture including a study of recent social, artistic and political trends as well as various current intellectual movements. Text and discussions in French.

FRT 3001 Great French Love Stories in Translation MW (3) AS WLE

An overview of the evolution of the concept of romantic and passionate love in French literature throughout the centuries and its impact on western literature and thought.

FRT 3140 French Literary Masterpieces in English Translation 6A LW (3) AS WLE

A survey of the major literary works of France, tracing not only literary but intellectual and cultural history from the Middle Ages to the present.

FRW 4100 The French Novel MW (3) AS WLE

PR: FRE 3234, FRE 3420 or CI. Study of the most representative novels from the 17th - 20th centuries in France, examining literary movements, ideas, and techniques. Course taught in French.

FRW 4101 Introduction to French Drama and Poetry MW (3) AS WLE

PR: FRE 3234. A study of the history of drama and poetry. Will include medieval drama, Racine, Corneille, Moliere, Anouilh, Sartre, Ionesco and others. Will also include Villon, Ronsard, DuBellay, Lamartine, Hugo, Vigny, Musset, Baudelaire, Mallarme, Rimbaud, Valery, Peguy, Eluard, Apollinaire, Char, and others. Course content may vary from year to year. Course taught in French.

FRW 5222 Classical Prose and Poetry (3) AS WLE

PR: FRW 4101. Emphasis on Malherbe, Descartes, Pascal, La Fontaine, and Boileau.

FRW 5226 20th Century Poetry and Theatre (3) AS WLE

PR: FRW 4101. Valery, Claudel, Anouilh, Motherland, Sartre, Ionesco.

FRW 5286 The 20th Century Novel (3) AS WLE

PR: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

FRW 5314 Classical Drama (3) AS WLE

PR: FRW 4101. Corneille, Moliere, and Racine.

FRW 5415 Literature of the Middle Ages (3) AS WLE

PR: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.

FRW 5425 Literature of the Renaissance (3) AS WLE

PR: FRW 4100 or FRW 4101. A study of Renaissance French humanism including Rabelais, Montaigne, and Pleiade poets.

FRW 5445 18th Century Literature (3) AS WLE

PR: FRW 4100. The classical tradition and the new currents of thought in the Age of Enlightenment.

FRW 5528 Pre-Romanticism (3) AS WLE

PR: FRW 4100 or FRW 4101. The precursors of romanticism. Emphasis on Rousseau, Bernardin de St. Pierre, Chenier, and Chateaubriand.

FRW 5535 Romanticism and Early Realism (3) AS WLE

PR: FRW 4101. A study of the romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo, and Balzac.

FRW 5556 Naturalism and Realism (3) AS WLE

PR: FRW 4100 or FRW 4101. A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and Daudet.

FRW 5745 French Literature of Quebec (3) AS WLE

PR: A survey of Francophone literature and cultures is recommended. Overview of the main representative literary works in French from Quebec in all genres (poetry, drama, novel, short story) as well as a survey of the main traits of Quebec history & culture. Open to non-majors. Not repeatable for credit. Taught in French.

FRW 5755 African and Caribbean Literature (3) AS WLE

PR: A survey of French literature. An overview of the main representative literary works in French from North and SubSahara Africa as well as the Caribbean. Open to non-majors and not repeatable for credit. Course taught in French.

FRW 5829 An Introduction to Modern French Literary Criticism (3) AS WLE

A graduate elective 3 credit course entirely taught in French, which offers a survey of the main trends and methods in 20th Century literary criticism, the French having been at the avant-garde of the field.

FRW 5934 Selected Topics (1-3) AS WLE

PR: Upper-level or graduate standing. Study of an author, movement or theme.

FSS 3231 Introduction to Food Production Management (3) US HRM

Food preparation, standards and techniques in commercial food production and service. Factors affecting the quality of food, practical experience in food production and service, in accordance with food standards, sanitation & safety and cost control.

GEA 2000 World Regional Geography SS HP AF (4) AS GPY

Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, environmental, and physical diversity.

GEA 3194 Regional Geography (4) AS GPY

Variable title course to systematically study and compare special regions identified by the instructor.

GEA 3405 Geography of Latin America 6A (4) AS GPY

Systematic geographic analysis of the Latin American world region, with emphasis on its cultural, political, economic, environmental, and physical diversity.

GEA 3500 Geography of Europe 6A (4) AS GPY

Systematic geographic analysis of the European world region, with emphasis on its cultural, political, economic, environmental, and physical diversity.

GEA 3703 Geography of Asia (4) AS GPY

Systematic geographic analysis of the Asian world region, with emphasis on its cultural, political, economic, environmental, and physical diversity.

GEB 2350 Doing Business Around the World SS (3) BA GBA

This course introduces the student to: 1) the nature of international business; 2) the framework of international organizations and the monetary system within which international business functions; 3) forces affecting international business, and 4) management responses to problems caused by international environments.

GEB 2935 Selected Topics in Business (1-6) BA GBA

Topics to be selected by department chairs.

GEB 4890 Strategic Management and Decision Making MW (3) BA GBA

PR: Senior standing and FIN 3403, MAN 3025, MAR 3023. The course is intended to provide a unifying, integrating, and coordinating opportunity to tie together concepts, principles, and skills learned separately in other, more specialized courses in Business Administration.

GEB 4905 Independent Study (1-3) BA GBA

PR: Cl. S/U only. Specialized independent study determined by the student's needs and interests.

GEB 4915 Independent Research (1-4) BA GBA

PR: Cl. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

GEB 4935 Selected Topics in Business Administration (1-4) BA GBA

The content and organization of this course will vary according to the current interests of the faculty and needs of students.

GEO 1930 Geography of Current Events SS (4) AS GPY

Application of basic geographic principles to the analysis of contemporary events in various parts of the world.

GEO 2200 Introduction to Physical Geography NS (3) AS GPY

CR: GEO 2200L. Principles of physical geography; maps, earth-sun relationships; meteorological, hydrological, pedological, aeolian, and glacial processes; and resultant landforms.

GEO 2200L Introduction to Physical Geography Lab (1) AS GPY

CR: GEO 2200. Laboratory portion of Introduction to Physical Geography (GEO 2200).

GEO 2371 Introduction to Earth Systems Science NS (3) AS GPY

For non-majors only. The application of basic earth system science analysis to environmental problems. Review of impact of human activities on the surface of the earth at local and global scales.

GEO 2400 Introduction to Human Geography SS (4) AS GPY

Systematic treatment of human activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.

GEO 2931 Special Topics (1-4) AS GPY

Topics are at the discretion of the instructor. This course will offer lower level topics to attract new majors.

GEO 3164C Research Methods in Geography (4) AS GPY

PR: STA 2023 or STA 2122 or QMB 2100. Statistical analysis in geographic research.

GEO 3602 Urban Geography (4) AS GPY

PR: GEO 2400 or Cl. Spatial analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.

GEO 4114C Geographic Techniques and Methodology (4) AS GPY

PR: GIS 3006 and GEO 3164C, or Cl. Selected topics in various geographic techniques and methodologies and their application.

GEO 4204C Topics in Physical Geography (4) AS GPY

PR: GEO 2200 or Cl. Intensive study of a topic selected from physical geography.

GEO 4210 Process Geomorphology (4) AS GPY

PR: GEO 2200 or GLY 2010 or Cl. Origin, evolution, and distribution of the landforms of North America.

GEO 4244 Tropical Meteorology NS (4) AS GPY

PR: GEO 2200, one approved Calculus course, or Cl. This course examines the tropical atmosphere, its interaction with land and ocean, as well as weather and climate phenomena that are unique to the tropics. Students will take an in-depth look at hurricane climatology, the El Nino and Southern Oscillation phenomenon, thunderstorms and lightning, satellite remote sensing, monsoons, sea-breeze convergence and Florida climatology, surface energy exchange, land use change and its impact on tropical climates.

GEO 4265 Soil Genesis and Classification (4) AS GPY

PR: GEO 2200, or Cl. A systematic study of soil genesis and classification with a focus on North American and Florida soils.

GEO 4280C Hydrology (4) AS GPY

PR: GEO 2200 or Cl. Introduction to the general principles that govern hydrologic processes. Approaches to hydrologic measurements and the application of hydrologic analyses to water-resource management issues are examined.

GEO 4284 Water Resources Management NS (4) AS GPY

PR: Senior standing. Geographic perspectives on water resources management at the global, national and local scale, including political, socio-economic, technical and scientific aspects.

GEO 4300 Biogeography (4) AS GPY

PR: GEO 2200 and GEO 3164C, or Cl. Analysis of the present and past distribution of species at an intermediate to large spatial scale.

GEO 4340 Natural Hazards (4) AS GPY

PR: Junior or Senior Standing. Examination of the physical, social, economic, political and cultural forces that create the phenomena of natural hazards. Case studies from around the world will include floods, droughts, tornadoes, hurricanes, freezes, heat waves, wild fires, earthquakes, tsunamis, and volcanoes.

GEO 4372 Global Conservation 6A MW (4) AS GPY

The distribution, exploitation, and conservation of physical and human resources, ecology.

GEO 4421 Cultural Geography (4) AS GPY

PR: GEO 2400 or CI. The interrelationships of culture and nature, from ancient times to the present.

GEO 4471 Political Geography MW (4) AS GPY

PR: GEO 2400 or CI. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions; geopolitics.

GEO 4502 Economic Geography (4) AS GPY

PR: GEO 2400 or CI. The spatial organization of economic production, consumption, and exchange systems.

GEO 4604 Topics in Urban Geography MW (4) AS GPY

PR: GEO 3602, or CI. Intensive examination of issues such as economic restructuring and inner-city decline, ghetto formation, gentrification, transportation, and policy-making.

GEO 4700 Transportation Geography (4) AS GPY

PR: GEO 2400 and GEO 3164 or CI. General concepts related to the movement of goods and people, with particular emphasis on spatial principles and urban transportation problems and planning.

GEO 4900 Directed Reading (1-4) AS GPY

PR: 20 hours in geography and CI prior to registration.

GEO 4910 Individual Research (1-4) AS GPY

PR: 20 hours in geography and CI prior to registration.

GEO 4930 Selected Topics (4) AS GPY

Topics are at the discretion of the instructor. This course will offer upper level, advanced topics in all aspects of Geography. Course can be repeated for credit as long as the title is different, for up to 8 credits.

GEO 4933 Geography Colloquium (1) AS GPY

Senior Standing in geography Weekly topical lectures by faculty and outside speakers. Students will develop a plan for their professional or graduate careers.

GER 1120 Beginning German I (4) AS WLE

CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of German.

GER 1120L Beginning German I Laboratory (1) AS WLE

CR: GER 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GER 1121 Beginning German II (4) AS WLE

PR: GER 1120 or equivalent. CR: GER 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing German.

GER 1121L Beginning German II Laboratory (1) AS WLE

CR: GER 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GER 2200 German III (3) AS WLE

PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.

GER 2201 German IV (3) AS WLE

PR: GER 1121 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.

GER 2240 Conversation I (3) AS WLE

PR: GER 1121. For development of basic conversational skills.

GER 3420 Composition I (3) AS WLE

A fundamental course for students who have completed GER 2200 or GER 2201.

GER 3440 German for Business and International Trade (3) AS WLE

PR: GER 2200, or CI. An introduction to the German language in ordinary business transactions.

GER 3500 German Civilization (3) AS WLE

PR: GER 2200 or GER 2201. Readings in German on the cultural history of Germany.

GER 3573 Cultural Observations in Germany (3) AS WLE

This course allows students to experience Germany from a cultural/historical perspective and gives them insights into a city's significance within Germany as a whole. It also includes an emphasis on German language use and cultural practices.

GER 4410 Conversation II (3) AS WLE

Free conversation based on the current German idiom.

GER 4421 Composition II (3) AS WLE

Practical training in modern German usage and differences of style.

GER 5845 History of the German Language (3) AS WLE

A diachronic approach to the study of the German language. The course traces the history and development of the language from Indo-European through Germanic, Old, Middle, and New High German.

GET 3103 German Literature in English Translation MW (3) AS WLE

Analysis and interpretation of selected major works of German literature, to be read in English, with regard to their thought content and relevance to our thoughts and actions.

GET 3522 Fantastic Films of Early German Cinema HP MW (4) AS WLE

An overview of early 20th century German films with emphasis on horror, science fiction, and fantasy films. Course offers insights into Germany's artistic, intellectual, and social history, as well as general film history and criticism. Taught in English.

GET 3524 German Popular Film HP MW (4) AS WLE

Overview of films with significant popular success at German box office from 1920s to present. Films will be discussed in the context of Germany's artistic, intellectual, and social history as well as general film history and criticism. Taught in English.

GET 4523 New German Cinema to Present MW HP (4) AS WLE

An overview of post-1945 German films with emphasis on films from New German Cinema (1960s-early 80s) & its aftermath. Course offers insights into Germany's artistic, intellectual, and social history, as well as general film history and criticism. Taught in English.

GEW 4100 Survey of German Literature I (3) AS WLE

Course will examine a variety of texts from the 9th to the early 19th century, exposing significant moments in German literature and thought and exploring diverse perspectives on German culture and society. Course taught in German. Not repeatable.

GEW 4101 Survey of German Literature II (3) AS WLE

Course will examine a variety of texts from the 19th century to the present, exposing significant moments in German literature and thought and exploring diverse perspectives on German culture and society. Course taught in German. Course not repeatable.

GEW 4750 Women in Contemporary German Literature and Film HP (3) AS WLE

PR: GER 2200 or above or CI. This course serves as an introduction to contemporary literary works and films by women writers and directors from German speaking countries. It will examine the works based on feminist literary and cultural theory.

GEW 4900 Directed Study (1-3) AS WLE

Departmental approval required.

GEW 4930 Selected Topics (1-3) AS WLE

Study of an author, movement or theme.

GEW 5475 20th Century Literature to 1945 (3) AS WLE

A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Trakl, Thomas Mann, Hesse, Kafka, Benn, Brecht.

GEW 5489 20th Century Literature: 1945 to Present (3) AS WLE

Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.

GEW 5515 The Enlightenment (3) AS WLE

Selected dramas and critical writings by Lessing, Wieland, Kant.

GEW 5545 Romanticism (3) AS WLE

Jenaer circle and Heidelberger circle; the late romantic period, the writers between Classicism and Romanticism.

GEW 5555 Realism (3) AS WLE

Selected works by Grillparzer, Grabbe, Buchner, Hebbel, Heine, Immerman, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Morike.

GEW 5606 Faust (3) AS WLE

Sources, form, content, and literary significance of Urfaust and Faust.

GEW 5615 Schiller (3) AS WLE

Selected dramas, philosophical, and aesthetical writings.

GEW 5934 Selected Topics (1-3) AS WLE

PR: Upper-level or graduate standing. Study of an author, movement or theme.

GEY 2000 Introduction to Gerontology SS (3) AS GEY

This course is designed to be an introduction to the study of aging. The aging process is viewed from a multi-disciplinary perspective including the biological, psychological, and sociological aspects of aging.

GEY 3323 Community Services for Older Adults (3) AS GEY

This class is designed to introduce students to services available to older adults and to careers in the field of aging services. Content includes theoretical and practical issues, as well as exposure to opportunities for service and employment.

GEY 3601 Physical Changes and Aging (3) AS GEY

A survey of normal and pathological physical changes occurring from middle age through older age. Course emphasis will be on basic age-related changes and their implications for behavior in older age.

GEY 3625 Sociocultural Aspects of Aging SS AF (3) AS GEY

Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosophic, and demographic aspects of aging, theories of social gerontology, attitudes toward aging and the aged, cross-cultural perspectives on aging, the sociology of retirement, and aging and the community.

GEY 4322 Gerontological Case Management (3) AS GEY

This course examines the role and function of case management in meeting the care needs of the older adult. All aspects of case management practice are covered, including the elements of the case management process as well as ethical and legal issues.

GEY 4327 Understanding Policies and Practices of Long Term Care HP SS MW (3) AS GEY

PR: GEY 2000. This course provides principles for managing disability in a variety of settings. Topics include historical context, experience of disability, and challenges of providing care for disabled persons. Course is repeatable and not restricted to GEY majors.

GEY 4328 Health Care Operations AF HP SS MW (3) AS GEY

PR: GEY 4327, ACG 2011, each with a grade of C or better. This course addresses the health care operations of long-term care facilities. This course is for students in the BS in long-term care administration, but not limited to GEY majors. The course is repeatable for credit.

GEY 4329 Regulatory and Clinical Operations (3) AS GEY

PR: GEY 4328, ACG 2011, each with a grade of C or better. This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts. The course is not repeatable and not restricted to GEY majors.

GEY 4340 Retirement and LTC Housing for the Elderly (3) AS GEY

This course focuses on housing, environment, and long-term care theories, availability of affordable housing with services, and a number of age-related housing solutions. Repeatable for credit, and not restricted to GEY majors.

GEY 4360 Gerontological Counseling (3) AS GEY

An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.

GEY 4401 Research Methods in Gerontology (3) AS GEY

PR: STA 2122 or equivalent with a grade of C or better. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.

GEY 4608 Alzheimer's Disease Management (3) AS GEY

PR: GEY 2000 or GEY 3326. This course will provide instruction on effective approaches for providing care to persons with Alzheimer's Disease and related disorders in residential and home care settings. The major dementing disorders and typical behaviors presented by patients are presented along with strategies for successful behavior management. Building a dementia program and building dementia care teams are also covered.

GEY 4612 Psychology of Aging SS (3) AS GEY

A comprehensive overview of psychological aspects of aging. Topics will include age-related changes in sensation/perception, cognition, and personality, as well as application to late-life psychopathology.

GEY 4628 Race, Ethnicity and Aging SS (3) AS GEY

This course addresses how people of different ethnic and racial groups age, in the physical, psychological, and social context. Topics include cultural competence and sensitivity. Not restricted; not repeatable.

GEY 4635 Business Management in an Aging Society MW (3) AS GEY

This course provides students with an interdisciplinary perspective that addresses both business management and the impact of our aging society on business.

GEY 4641 Death and Dying SS (3) AS GEY

A broad overview of the basic concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.

GEY 4647 Ethical and Legal Issues of Aging SS MW (3) AS GEY

A consideration of the major ethical and legal issues in aging and their implications for policies, priorities, and services.

GEY 4900 Directed Readings (1-3) AS GEY

PR: Cl. A reading program with topics in gerontology conducted under the supervision of a faculty member.

GEY 4935 Special Topics in Gerontology (3) AS GEY

Courses on topics such as preretirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered.

GEY 4945 Field Placement (1-9) AS GEY

PR: Cl. Subject to availability of internship sites approved by the School of Aging Studies. Internship in an agency or community setting. A full-time assignment to an agency or organization, engaged in planning or administering programs for older people if in the BA program (6 hours), or to a nursing home if in the BS program (9 hours).

GEY 5620 Sociological Aspects Of Aging (3) AS GEY

Examines, within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social system and its major institutionalized subsystems.

GEY 5630 Economics and Aging (3) AS GEY

Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security and other support systems.

GEY 5642 Perspectives on Death and Dying (3) AS GEY

Study of the various psychological, medical, legal, and religious problems caused by dying and death, and how individuals and groups have responded in the past and present.

GIS 2010C Map Interpretation (4) AS GPY

Analysis and synthesis of various types of maps and map projections.

GIS 3006 Computer Cartography (4) AS GPY

An introduction to the concepts underlying modern, computer-based mapping and to the collection and storage of digital spatial data.

GIS 4035C Remote Sensing of the Environment (4) AS GPY

PR: GIS 3006 and GEO 3164C, or CI. Analysis of satellite images and aerial photographs for studies of the environment.

GIS 4043C Geographic Information Systems (4) AS GPY

PR: GIS 3006 and GEO 3164C, or CI. An introduction to the concepts underlying Geographical Information Systems, with an emphasis on analytical capabilities of such systems in both raster and vector domains.

GIS 5049 GIS for Non-Majors (3) AS GPY

An introduction to the concepts underlying digital thematic mapping and geographical information systems (GIS) for non-geography majors and non-geography graduate students.

GIS 5075 Global Positioning Systems (3) AS GPY

PR: GIS 5049: GIS for Non-Majors or permission from the instructor. Examination of the theory, operation and application of Global Positioning Systems (GPS).

GLY 2000 Earth and Environmental Systems NS (3) AS GLY

May substitute for GLY 2010 for geology majors. This course examines the geology of the earth and the environment, using an earth systems approach that looks at interactions between the lithosphere, hydrosphere, atmosphere, and biosphere. Students will learn general principles of geology, travel world-wide on the internet, and participate in discussions on topics ranging from the scientific method to the latest geologic discoveries. Open University course; taught via internet and TV. Open University course; taught via internet and TV.

GLY 2000L Essentials of Geology Laboratory (1) AS GLY

Fundamental concepts and skills of modern geology, including rock and mineral identification, analysis of geologic maps, field analysis, and applications of computers in Geology. Required field trip.

GLY 2010 Dynamic Earth: Introduction to Physical Geology NS (3) AS GLY

Required for Geology majors; open to non-majors. Study of minerals, rocks, and dynamic processes of the earth. Introduction to the origin of earth's materials, landforms, and structures.

GLY 2010L Dynamic Earth Laboratory (1) AS GLY

PR: GLY 2010 or concurrent registration. Required for Geology majors; open to non-majors. Laboratory study of earth materials, landforms, geologic structures, topographic and geologic maps. Lec-lab-field trips.

GLY 2030 Hazards of the Earth's Surface: Environmental Geology NS (3) AS GLY

May substitute for GLY 2010 for geology majors. A first course in geology emphasizing environmental aspects of the earth's crust, such as earthquakes, depletion of the earth's resources, water-supply problems, and geologic aspects of land use and planning.

GLY 2050 Science, Earth and Life NS (3) AS GLY

May substitute for GLY 2010 for geology majors. The nature, history and philosophy of science intended primarily for non-science majors. Consideration of science as a way of knowing through examples taken primarily from historical geology and biology (e.g., extinction of the dinosaurs, continental drift, evolution) but also from physics and astronomy. Consideration of social relevance of science.

GLY 2051 Origins: From the Big Bang to the Ice Age NS (3) AS GLY

The history of the cosmos, origin of the universe, galaxies, the solar system, and earth, evolution of life, great extinction's including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.)

GLY 2100 History of the Earth and Life NS (3) AS GLY

PR: A course in geology. Required for Geology majors; open to non-majors. Study of the physical and biological history of the earth including evolution of the major groups of organisms, plate tectonics, and interpretation of ancient environments.

GLY 2100L Earth History Laboratory (1) AS GLY

Laboratory study of the history of the earth and life. Required for Geology majors; open to non-majors.

GLY 2160 Geology of the National Parks NS (3) AS GLY

This course is an introduction to the nature of geologic processes including plate tectonics, earthquakes, volcanism, glaciation, and shoreline processes drawing on examples from our National Parks.

GLY 2930 Selected Topics in Geology (1-3) AS GLY

Does not count toward the geology major. Topical courses in geology of general interest.

GLY 3311C The Solid Earth: Petrology and Geochemistry (4) AS GLY

PR: GLY 200L; CHM 2045, MAC 2281. Igneous and metamorphic rocks of modern and ancient tectonic environments. Rock-forming processes at plate margins and intraplate sites. Essentials of hand specimen and microscopic mineralogy. Required field trip. Lec-lab. May not be repeated for credit.

GLY 3402C The Solid Earth: Plate Tectonics and Earth Structure (4) AS GLY

PR: 4 hrs. introductory geology including GLY 2000L; MAC 2312 or equivalent; PHY 2048. Plate tectonic theory and its implication re: the formation of structural features on outcrop and regional scales. Field and geophysical tools for structural analysis. Required field trip. Lec-Lab.

GLY 3552C Sedimentary Record 1: Sedimentary Processes and Petrology (4) AS GLY

PR: GLY 2000L, CHM 2045, MAC 2281. CR: GLY 3311C. A lecture and laboratory class that discusses sedimentary processes, formation and classification of sedimentary rock, and the sedimentary rock record. Examination of the rock record to solve problems in sedimentary geology.

GLY 3610C Introduction to Invertebrate Paleontology (4) AS GLY

PR: GLY 2100. BSC 2010 or equivalent strongly encouraged as background. Lectures cover principles and applications of paleontology, including biostratigraphy, taphonomy, paleoecology, and micro- and macroevolutionary patterns and processes. Labs survey the invertebrate phyla comprising the bulk of the fossil record.

GLY 3720C The Fluid Earth (4) AS GLY

PR: GLY 2000L; MAC 2311 and MAC 2312 or equivalent; CHM 2045 and CHM 2046; PHY 2048 and PHY 2048L. Physical, chemical and biological processes affecting fluids of the lithosphere, oceans and atmosphere. Water as a geologic medium and global entity. A systems approach. Not available as S/U for geology majors; S/U available for others.

GLY 3850 Geology For Engineers (3) AS GLY

PR: Junior standing in College of Engineering or CI. No credit toward the geology major, or for those with credit for GLY 2010. An examination of geologic materials and processes designed for engineering students; classification and properties of earth materials, surface processes, site investigation techniques, applications of geology to the solution of engineering problems.

GLY 4045 Moons, Planets, and Meteors: An Introduction to Planetary Science MW (3) AS GLY

PR: Junior standing. Solar System exploration, from Aristotle to NASA. Modern views on the origins of meteorites, the Moon, Mars, Venus, and other planetary bodies, and the methods of planetary study. Meteor impacts, their effects, future hazard. Space science as a tool in the study of the Earth. Field trips, lectures, Internet exercises.

GLY 4053 Theories and Arguments about the Earth MW (3) AS GLY

PR: 2000 level geology course. History of thinking about the Earth: context - geologic controversies; emphasis - geologic reasoning.

GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (4) AS GLY

PR: GLY 2000L, GLY 3552C, BSC 2010. The study of "deep time", including how it is measured, how it is correlated over the Earth's surface, and how important physical, biologic, and chemical geologic processes have varied with time. Lec.-Lab.

GLY 4554C Sedimentary Record 2: The Earth's Surface (4) AS GLY

PR: At least one course in Geology with lab. Principles of weathering, erosion, production, and transport of sediment on the earth's surface, and the resulting geomorphology. Modern sedimentary environments and the process-response systems that govern them. Course is open to anyone with at least one course in geology with lab. Course is not available on an S/U basis for geology majors; it is for other majors.

GLY 4734 Beaches and Coastal Environments MW (3) AS GLY

A comprehensive introduction to the nature of all coastal environments including beaches, dunes, tidal inlets, estuaries, reefs, and river deltas. Emphasis will be on the natural state of these environments and how human activities have and will impact them. Consideration of coastal management policies involving economics, ethics, policy, and environmental law.

GLY 4780 Geological Field Studies (1-3) AS GLY

PR: 1 geology course. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field description techniques introduced. Topic/destination of trip varies. Trip requires camping and vigorous physical activity. Lec. Field trip.

GLY 4822C Fluid Earth 2: Hydrogeology (4) AS GLY

PR: GLY 2000L, GLY 3720C, PHY 2048, MAC 2281. CR: MAC 2282. Ground water flow systems, ground water geology, introduction to numerical and analytical models of ground water flow. Lec.-lab.-field trips.

GLY 4866 Computational Geology (3) AS GLY

PR: One semester of calculus and physics. Geologic problems and problem-solving from a mathematical perspective. The intersection of geology and math. Calculations and error analysis. Not available as S/U for geology majors; S/U available for others.

GLY 4905 Independent Study (1-3) AS GLY

PR: Cl. S/U only. Specialized independent study determined by the student's needs and interests.

GLY 4915 Undergraduate Research (1-3) AS GLY

PR: Senior or advanced junior standing and written permission of department prior to registration. S/U only. Individual experimental investigations with faculty supervision.

GLY 4920 Geology Colloquium (1) AS GLY

PR: Senior standing in Geology. S/U only. Weekly topical lectures by faculty, graduate students and invited speakers.

GLY 4921 Geocommunications (3) AS GLY

PR: Twelve (12) or more hours upper level geology courses. A course in communicating within the disciplines of the earth sciences. Emphasis will be on: writing for publication and technical reports, preparation and presentation of posters, and preparation and presentation of oral papers in earth sciences. Course is open to anyone majoring in geology, geography, anthropology or environmental science and policy. Course is not available on a S/U basis for geology majors.

GLY 4930 Selected Topics in Geology (1-4) AS GLY

Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of geology included.

GLY 4946L Practical and Applied Geology: Teaching Experience (1) AS GLY

PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or Cl. CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to give students experience in teaching geology. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4947L Practical and Applied Geology: Laboratory Experience (1) AS GLY

PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or Cl. CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to teach the basic laboratory skills of a practicing geologist. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4948L Practical and Applied Geology: Field Experience (1) AS GLY

PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or Cl. CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to teach the basic skills of a practicing field geologist. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4949L Practical and Applied Geology: Computational Experience (1) AS GLY

PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or Cl. CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to teach the basic computational skills of a practicing geologist. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4970 Undergraduate Honors Thesis (3) AS GLY

Open to seniors admitted to the Geology undergraduate honors program. Students will complete an independent research project under supervision of a faculty member, and present results in a senior thesis and a public presentation.

GLY 5752 Geological Field Excursion (2) AS GLY

PR: Senior standing in geology or Cl. Lectures and 2-3 week field excursion to study regional geology, structure and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques are emphasized. Destination of trip varies. Trip requires camping and vigorous physical activity. Lec.-field trip.

GLY 5865 Statistical Models in Geology (3) AS GLY

PR: STA 2023 or equivalent or Cl. Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geological problems. Lec.

GLY 5932 Selected Topics in Geology (1-4) AS GLY

PR: Senior or advanced junior standing. Each topic is a course under the direction of a faculty member. All areas of geology included.

GRA 2206C Typography (3) VP ART

Restricted to majors. This foundational course explores the structure of letter forms and lettering. This course provides information about the importance of type in the context of graphic design and application for printed and electronic media.

GRA 3104 Computer Graphics (3) VP ART

Restricted to majors. This course is the continuation of Graphic Design I. The coursework emphasizes the utilization of electronic media for visual problem solving. Students will increase their skill with web based design and photo-editing software.

GRA 3110 Graphic Design I (3) VP ART

Restricted to majors. This course explores the application of formal design principles to visual problem solving through typography, layout, and web design. Students will apply conventional and electronic tools and techniques to the graphic design process.

GRA 3735 Multimedia Systems I (3) VP ART

Restricted to majors. This course introduces multimedia systems and focuses on their use as tools in the production of digital multimedia. Content covers all key hardware, navigation, and operating components.

GRA 4930C Graphic Design: Senior Studio (3) VP ART

Restricted to majors. Advanced problems in graphic design, advertising, and multimedia visual communication systems will be discussed and assigned as projects. Focus is upon efficient and effective use of technology in the design production process.

GRA 4940 Graphic Design: Internship (2) VP ART

Competitive portfolio may be required. Restricted to majors. On site supervised work experience in an educational, graphic studio, advertising agency, or corporate environment.

GRA 4945 Graphic Design: Professional Practicum (3) VP ART

Restricted to majors. Students fine-tune their portfolios, create self promotional print and digital projects and develop their resumes. Includes field trips to studios, agencies, corporate graphic departments and marketing firms.

GRA 4955C Senior Project: Portfolio (3) VP ART

Restricted to majors. This course covers the organization and presentation of a design/advertising/graphic portfolio and appropriate related materials. Emphasis is upon portfolio development, professional production, and self promotional skills.

GRE 1120 Beginning Classical Greek I (4) AS WLE

An introductory course in classical Greek grammar with appropriate readings.

GRE 1121 Beginning Classical Greek II (4) AS WLE

PR: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2140 New Testament Greek I (4) AS REL

An introduction to an intensive study of the koine Greek of the New Testament, for beginners; New Testament readings, composition, analysis of the structure of Greek of the New Testament.

GRE 2141 New Testament Greek II (4) AS REL

PR: GRE 2140. Intermediate readings and grammar of the Greek New Testament.

GRE 2220 Intermediate Classical Greek (4) AS WLE

PR: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

GRK 1120 Beginning Modern Greek I (4) AS WLE

CR: GRK 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

GRK 1120L Beginning Modern Greek I Laboratory (1) AS WLE

CR: GRK 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GRK 1121 Modern Greek II (4) AS WLE

PR: GRK 1120 or its equivalent; CR: GRK 1121L. A continuation of GRK 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

GRK 1121L Modern Greek II Laboratory (1) AS WLE

CR: GRK 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GRK 2220 Modern Greek III (4) AS WLE

PR: GRK 1121 or the equivalent. For language students who intend to attain basic proficiency.

GRK 2221 Modern Greek IV (4) AS WLE

PR: GRK 2220 or its equivalent. Continuation of GRK 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

GRK 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

GRK 4930 Selected Topics (1-5) AS WLE

Departmental approval required. Course permits classes in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

GRW 4905 Directed Reading (1-4) AS WLE

Departmental approval required.

GRW 5905 Directed Reading (1-4) AS WLE

Departmental approval required.

GRW 5934 Selected Topics (1-4) AS WLE

Available to majors and non-majors. Study of an author, movement or theme.

HBR 1120 Modern Hebrew I (4) AS WLE

CR: HBR 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

HBR 1120L Modern Hebrew I Laboratory (1) AS WLE

CR: HBR1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

HBR 1121 Modern Hebrew II (4) AS WLE

PR: HBR 1120 or its equivalent; CR: HBR 1121L. A continuation of HBR 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

HBR 1121L Modern Hebrew II Laboratory (1) AS WLE

CR: HBR 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

HBR 2201 Modern Hebrew IV (4) AS WLE

PR: HBR 2220 or the equivalent. Continuation of HBR 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

HBR 2220 Modern Hebrew III (4) AS WLE

PR: HBR 1121 or the equivalent. For language students who intend to attain basic proficiency.

HBR 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Modern Hebrew not available in the regularly scheduled curriculum at departmental discretion.

HEB 1120 Basic Hebrew I (4) AS REL

Designed to give students a working knowledge of Classical (Biblical) Hebrew and to introduce them to the Biblical literature in the original language.

HEB 1121 Basic Hebrew II (4) AS REL

Designed to give students a working knowledge of Classical (Biblical) Hebrew and to introduce them to the Biblical literature in the original language.

HFT 3005 Introduction to Hospitality and Tourism (3) US HRM

An overview of the hospitality industry, including all of its related fields: restaurant; lodging; meetings, conventions and expositions. Also featured are the applications of the general marketing, human resources, leadership, and management.

HFT 3263 Restaurant and Catering Management (3) US HRM

PR: HFT 3424, FSS 3231 Management of food and beverages as they relate to planning, production, supervision and cost control in restaurants and catering food services, with emphasis on techniques of food preparation, menu merchandising, food safety, bar services and wine list.

HFT 3423 Hospitality Information Systems (3) US HRM

PR: ISM 3011, HFT 3005. The study of management information systems in the hospitality management industry. The students will evaluate software and hardware computer systems and application software being used in the hospitality industry and develop selection strategies.

HFT 3424 Cost Control in Hospitality Operations (3) US HRM

PR: HFT 3005, FIN 3403, MAN 3025 Provides students with a thorough understanding of hospitality financial accounting concepts. The emphasis of the course is to use accounting information in making managerial decisions and to prepare and understand hospitality financial statements.

HFT 3503 Hospitality Marketing and Sales (3) US HRM

PR: MAR 3023 Principles of marketing and sales and practical application in hospitality marketing philosophies; the marketing mix; product differentiation; corporate travel market; and the association, convention, and trade show market.

HFT 3603 Law and Security for the Hospitality Industry (3) US HRM

PR: HFT 3005 Functions of the law, legal environment and legal reasoning. An overview of the security issues in the hospitality industry. The law pertaining to contracts, workmen's comp and the impact of law on economic enterprise in the hospitality industry.

HFT 3861 Beverage Management (3) US HRM

An introduction to the identification, use and service of wines, spirits, and other alcoholic beverages. An in-depth analysis of beverage operations to include selection/storage, inventory, purchasing, sales/promotion/merchandising, profits and bar management.

HFT 4221 Human Resources Management (3) US HRM

PR: HFT 3005, MAR 3023 Designed to educate new managers and supervisors in the complex issues involved in a comprehensive human resource program and its importance to hotel and restaurant business. Workmen's Compensation, ADA, training, unions, EEO and discrimination issues.

HFT 4253 Lodging Management (3) US HRM

PR: HFT 3005, MAN 3025 Principles, practices, and procedures of managerial functions as they relate to the operation of hotels. Training, conflict resolution, total quality management, crisis management, employee empowerment and service standards are focus of team building.

HFT 4323 Facilities Management in Hospitality Operations (3) US HRM

PR: HFT 3005 Engineering aspects of hospitality establishments, preventive maintenance procedures, energy conservation, waste management, pollution control, life safety systems, and facilities design and layout, air conditioning lighting, sound control.

HFT 4471 Management Accounting and Finance in Hospitality (3) US HRM

PR: FIN 3403, HFT 3005, HFT 3424 Financial functions in hospitality, interpret hospitality financial statements, capital investment decision making, financial instruments and concepts. Analytical modeling for hospitality operations, including ratio analysis and capital budgeting tools.

HFT 4853 Restaurant Trends and Challenges Seminar (3) US HRM

PR: Senior standing. Advanced level course focusing on contemporary management issues and challenges facing the foodservice and hospitality industries. Topic covered will be applicable to current trends applicable to a variety of situations.

HFT 4930 Special Topics in Hospitality (1-3) US HRM

PR: HFT 3005 Topics to be selected by instructor and department chairperson for pertinent Hospitality Management issues.

HFT 4936 Hotel Management Seminar (3) US HRM

PR: Senior standing. Advanced level course focusing on current problems and trends in hotel management and the hospitality industry.

HFT 4945 Advanced Internship (3) US HRM

PR: HFT 3005 Coordinated hospitality training combines practical experience with didactic academic analysis. Principles, theory and standard practices applied to operational situations. S/U only.

HIS 2931 Special Topics (2-4) AS HTY

This course emphasizes a selected historical problem or issue. A variety of instructional approaches will be taken, and topics may vary.

HIS 3308 War and Society MW (3) AS HTY

An examination of the ways in which societies have organized themselves for war and how societies are changed by war. Also explores gendered expectations in war, and the changing conduct of war. Does not count for History major or minor credit.

HIS 3474 Science and Civilization (4) AS HTY

A thematic study of the interrelationship of science and society in modern history emphasizing the institutional forms, value structures, and social relations in science as they have developed from the scientific revolution to the present.

HIS 3930 Special Topics (2-4) AS HTY

This course is designed to emphasize a selected historical problem or issue that is meaningful and challenging to the student. A variety of instructional approaches will be taken to the material. Topics will be changed each semester.

HIS 3938 Major Issues in History MW (3) AS HTY

This course provides an introduction to the disciplines of history by examining a specific historical issue and its relation to at least one of the following dimensions: gender, race and ethnicity, international perspectives, environmental perspectives. Does not count for History major or minor credit.

HIS 4104 Theory of History (4) AS HTY

PR: History major status and 2.25 HTY major GPA required. An analysis of the foundations of historical knowledge and historical methodology. Includes a survey of historical thinking and writing from ancient times to the present.

HIS 4900 Directed Reading (1-4) AS HTY

PR: Cl. Arrangement with instructor prior to registration. Readings in special topics.

HIS 4920 Colloquium in History (2-4) AS HTY

Reading and discussion of selected topics in the various fields of history. The subject and scope of inquiry will be determined by the instructor for each section.

HIS 4936 Pro-Seminar in History 6A MW (4) AS HTY

PR: History major status and 2.25 HTY major GPA required. Advanced topics in the various fields of history. Emphasis on discussion of assigned readings and on research and writing of a major paper.

HLP 2081 Personal Wellness: A Lifetime Commitment (3) ED EDJ

An examination of the bases for adopting a positive health lifestyle with a major emphasis on diet, weight management, physical fitness, stress management, and substance-abuse management.

HLP 4722 Health and Physical Education for the Child (2) ED EDE

The course helps elementary education majors understand the health, and developmental needs of K-6 children and to learn the role of the classroom teacher in providing health services, healthy environments, and health & physical ed. instruction.

HSA 4011 Introduction to Public Health (3) PH PHC

A survey of policies and programs in public/community health with emphasis on specific needs and problems of Florida.

HSC 2100 Contemporary Health Science SS (3) PH PHC

A comprehensive approach to health concerns and problems in contemporary society, including methods of assessing individual health needs.

HSC 2133 Sex, Health, and Decision-Making SS (3) PH CFH

This course will provide the student with an overview of the issues involving sexual behaviors, decision-making processes and health outcomes. The course will offer a public health perspective of the consequences of risk-taking activities as well as a psychosocial and cultural view of antecedent behaviors.

HSC 2400 First Aid (2) ED EDP

Meets the American Red Cross certification requirements in standard and advanced first aid.

HSC 2933 Selected Topics in Public Health (1-6) PH PHC

Overview of major public health and health related issues of interest to undergraduates. Course explores a variety of health topics that are related to improving the health and health behaviors of individuals, groups and communities. Specific topics may vary each semester. No prerequisites. Majors and non majors. May be repeated for up to 6 credits.

HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child (3) ED EDP

Provide students with the knowledge to teach developmentally appropriate motor activities; to provide continuous health services; create and maintain a healthy learning environment; and sequence appropriate health instruction for Pre-K through 3rd grade students.

HSC 3541 Human Structure and Function NS (3) PH CFH

This course is designed to introduce the structural levels of the body beginning with chemicals and progressing through cells, tissues, organs and systems with emphasis on homeostasis, stress and feedback systems. Not restricted to majors.

HSC 4001 Foundations of Global Health (3) PH PHC

This course introduces students to the principles of public health from a global perspective. Emphasis will be placed on the impact of social, economic, political and environmental factors that influence health and access to health care across the globe.

HSC 4134 Prevention of Mental Illness (3) PH PHC

This course explores the contributions of prevention science and public health in impeding the development of mental disorders and the events that lead to mental disorders with the major developmental focus on childhood.

HSC 4172 Women's Health: A Public Health Perspective (3) PH PHC

From a public health perspective, this course will explore the multidimensional and multidisciplinary dimensions of women's health. The course will emphasize health promotion, disease prevention, and overall well-being.

HSC 4211 Health, Behavior and Society (3) PH PHC

This course focuses on an ecological perspective of the determinants of health including biology, individual behavior, social relationships, social stratification, institutions, neighborhoods and communities, environment, policies and globalization.

HSC 4504 Foundations of Public Health Immunology (3) PH PHC

This course provides an overview of the principles of Immunology and an introduction to the applications of immunology and immunologic techniques used in the surveillance, prevention and control of diseases of public health importance.

HSC 4531 Medical Terminology NS (3) PH PHC

This course provides a unique educational program to improve the student's medical vocabulary. The course includes medical and scientific content information, which students encounter in other health professional courses. Not restricted to any major.

HSC 4554 Survey of Human Diseases (3) PH PHC

PR: Fund. of Biology with Lab or Cl. An overview of the nature, types, and mechanisms of diseases of the major body systems.

HSC 4579 Foundations of Maternal and Child Health (3) PH PHC

This course provides an overview of maternal and child health issues and trends. With this primary aim, the objectives are organized around the knowledge of health assessment and interventions for families and children.

HSC 4580 Foundations of Food Safety (3) PH PHC

This course provides an overview of food safety practices and principles emphasizing the role of food safety in public health. Topics include proper food handling procedures, food safety hazards, foodborne illness prevention, and food safety regulations.

HSC 4630 Understanding U.S. Health Care (3) PH PHC

An introduction to health services; providing an overview of important components of the U.S. health care system, health policy, funding sources, and comparisons with other developed nations.

HSC 4631 Critical Issues in Public Health (3) PH PHC

This course provides students the opportunity to learn about the multiple ways to view controversial topics in public health. The course covers topics including biomedical issues, social & behavioral factors related to health, and environmental issues.

HSC 4933 Special Topics in Public Health (1-6) PH PHC

PR: CI. Content will be governed by student demand and instructor interest.

HSC 5037 Professional Foundations of Health Education (1) PH CFH

The study of the practice of health education in various settings, and selected historical, cultural, philosophical, professional, and ethical issues in the practice of education.

HUM 1580 Introduction to Film Studies SS FA (4) AS HUM

Exploration of the history of creative filmmaking from its beginnings to the present time. Open to both majors and non-majors.

HUM 1020 The Arts FA (3) AS HUM

Analysis of selected works of literature, music, film, and visual art, representing artists of diverse periods, cultures, genders, and races. Especially recommended for students who later take 4000-level Humanities courses.

HUM 2210 Studies in Culture: The Classical Through Medieval Periods HP (3) AS HUM

A survey of literature and the arts of ancient Greece, Rome, and medieval Europe. Issues to be examined may include the dialogue between local traditions and cosmopolitan cultures, the relationship of the individual to society, and the bases for moral values.

HUM 2230 Studies in Culture: The Renaissance Through the Twentieth Century HP (3) AS HUM

A historical survey of the visual arts, literature, music and thought of Europe from the Renaissance through the Twentieth century. Issues to be examined may include the relationship between science and the arts and the consequences of the growing contacts among world civilizations and the impact of technological change.

HUM 2271 Eastern and Western Culture from Antiquity to 1400 AF (3) AS HUM

A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from Ancient times through the Middle Ages, emphasizing Europe and India.

HUM 2273 Eastern and Western Culture Since 1400 AF (3) AS HUM

A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from the Renaissance through the present, emphasizing Europe, the United States, and India.

HUM 2515 Introduction, the Cultural Study of Popular Music (3) AS HUM

An introduction to the cultural study of popular song, this class examines how music constructs racial, gender, and class identities and intersects with politics, globalization, and commerce. Variable topic, open to nonmajors, not repeatable for credit.

HUM 2930 Selected Topics (1-4) AS HUM

An introductory course dealing with a recurrent theme in the arts or focusing on a particular artistic center (a nation or city at a particular time).

HUM 3231 The Renaissance (3) AS HUM

PR: HUM 2210 or HUM 2230. An examination of the arts of the Renaissance, focusing on primary texts and images. Themes include humanism, the revival of antiquity, the concept of the individual, the Reformation and Counter-Reformation, and the impact of New World explorations.

HUM 3237 The Seventeenth Century (3) AS HUM

PR: HUM 2210 or HUM 2230. An examination of the development of the art and culture of the Baroque Period, roughly the 17th Century, focusing on primary texts and images. Themes will include mysticism, sensuality, rationalism, science, absolutism, and liberty.

HUM 3240 The Early Middle Ages (3) AS HUM

PR: HUM 2210 or HUM 2230. This course examines the diverse cultures of Europe from the fourth to eleventh centuries. Major issues include the formation of religious cultures, modes of cultural contact, relationships between texts and images, and uses of earlier traditions.

HUM 3241 Central Medieval and Gothic Europe (3) AS HUM

PR: HUM 2210 or HUM 2230. By studying texts and artefacts, this course examines the diverse cultures of Europe from the eleventh to fourteenth centuries. A central issue covered will be the efforts of the church to create an all-encompassing Christian culture.

HUM 3242 The Enlightenment (3) AS HUM

PR: HUM 2210 or HUM 2230. By studying late seventeenth and eighteenth century literature, music, visual art, and philosophy, this course examines phenomena such as rationalism, classification systems, the influence of science, utilitarianism, reform, and secularism.

HUM 3244 Nineteenth-Century Arts and Letters (3) AS HUM

PR: HUM 2210 or HUM 2230. By studying 19th century literature, music, and visual art, this course examines phenomena such as the rise of capitalism, colonial expansion, nationalism, urbanism, and the redefinition of public and political life during this period of extreme change.

HUM 3252 Studies in Culture: The Twentieth Century HP (3) AS HUM

PR: HUM 2210 or HUM 2230. Analyses of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major political, social, and economic events, such as war, depression, totalitarianism, and technological change.

HUM 3331 Themes in Humanities (3) AS HUM

PR: HUM 2210 or HUM 2230. A course emphasizing the analysis of primary works in relation to cultural contexts, the integration of secondary sources, and the construction of a written argument. Not restricted to majors. Offered only in fall semester.

HUM 3457 Nineteenth Century American Culture (3) AS HUM

PR: HUM 2210 or HUM 2230. This course explores American art, literature, and cultural life from the early republic through the Gilded Age. Works are studied in their historical context in order to understand how they transmitted important information about American identity.

HUM 3458 Twentieth-Century American Culture (3) AS HUM

PR: HUM 2210 or HUM 2230. A historical survey of American culture since 1900. Literature, music, visual art, film, and intellectual movements are analyzed, to understand how they have reflected and shaped cultural values and responded to changing conditions of American society.

HUM 3463 Latin American Civilization I: Pre-Columbian & Colonial (3) AS HUM

PR: HUM 2210 or HUM 2230. An overview of Pre-Columbian and Colonial Latin American Culture through 1700. Topics include literature, music, and art; ethnic diversity; political and religious tension; "high" versus "low" culture; and the clash of European and American cultures.

HUM 3466 Latin American Civilization II: Modern Latin America (3) AS HUM

PR: HUM 2210 or HUM 2230. An overview of the cultural heritage of Latin America since the time of independence. Verbal and visual texts will be used to study the difficult struggle to create a cultural identity that incorporates African, indigenous, and European traditions.

HUM 3930 Selected Topics in Humanities (1-4) AS HUM

PR: HUM 2210 or HUM 2230. Courses offered under this number will always be interdisciplinary, treating more than one art media and relating them historically or in some other way. The interdisciplinary emphasis on literature and the arts, placing them in some larger context of culture or ideas, distinguished HUM courses from related courses offered in other departments of the university. Topics will vary; course may be repeated for credit with change of content.

HUM 4433 Ancient Greek Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Greece, including such authors as Homer, Sophocles, and Plato, and monuments such as the Parthenon.

HUM 4435 Early Medieval Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of the culture of Europe and the Mediterranean world from the 4th to 11th centuries through the readings of early Medieval historians, poets, and theologians, as well as the study of illuminated manuscripts, mosaics, painting and architecture.

HUM 4437 Italian Renaissance Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of the painting, literature, music, sculpture and architecture of early modern Italy (1300-1600), emphasizing humanism, the revival of antiquity, the tension between sacred and secular, and artists such as Michelangelo, Titian, Raphael.

HUM 4438 Northern Renaissance Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of the Northern Renaissance, 1400-1580, as exemplified in Germany, France, the Netherlands, England, and Spain. The course includes painting, architecture, literature and music, with special study of Durer, Van Eyck, El Greco, and Bosch.

HUM 4440 Arts and Letters in the 17th and 18th Centuries (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of the visual arts, literature and music from the mysticism and ornament of the Baroque to the rationalism and classicism of the Enlightenment, including such artists, authors and composers as Rembrandt, Gentileschi, Voltaire, Bach, and Mozart.

HUM 4442 Arts and Letters of the Romantic Period (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Continental masterworks of fiction, painting, and music in the context of European cultural history from the French Revolution to the Revolutions of 1848.

HUM 4444 Nineteenth Century European Arts and Letters (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. A study of continental literary, musical, and artistic masterworks from the Revolutions of 1848 until the outbreak of World War I.

HUM 4445 Twentieth Century Arts and Letters I (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4446 Twentieth Century Arts and Letters II (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4452 Nineteenth Century American Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Study of selected works of art, tracing the course of American expansionism in civilization, and the interaction between the arts and the sciences in American ways of life and work, 1790-1890.

HUM 4455 Twentieth Century American Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Study of selected works, tracing the course of expansion in the production and enjoyment of works of art, and interaction between the idealistic and pragmatic concerns for development of the arts in the 20th century.

HUM 4462 Pre-Columbian and Colonial Latin American Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on the Pre-Columbian and Colonial periods. The course will focus on a particular historical, geographical, or thematic topic within those periods.

HUM 4464 Modern Latin American Culture (4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on the period since the time of independence. The course will focus on a particular historical, geographical, or thematic topic within that period.

HUM 4905 Directed Study (1-4) AS HUM

PR: CI. Specialized individual study determined by the student's needs and interests

HUM 4930 Selected Topics in Humanities (1-4) AS HUM

PR: Junior standing and HUM 2210 or HUM 2230, or CI. This course will deal with a recurrent theme in the arts as, for example, love or death, or will focus on artistic centers such as Renaissance Florence or Paris in the 1920s. Topics will vary.

HUM 4931 Seminar in Humanities 6A (4) AS HUM

PR: HUM 3331 or CI. Seminar focuses on the writing of a substantial research paper in the humanities. Topic varies.

HUM 4938 Major Issues in the Humanities MW (3) AS HUM

The study of an important topical issue in the Humanities. Materials representing diverse views relating to that issue will be read, and works of art in different media that have relevance to the debate will be studied. Available to majors and non-majors.

HUM 4940 Internship in Humanities (1-2) AS HUM

A structured, out-of-class learning experience providing firsthand, practical training in Humanities-related professional careers in the community. Restricted to Humanities majors. Repeatable up to 4 credit hours.

HUM 4941 Study on Location (1-4) AS HUM

PR: Repeatable once for up to eight credits. The art of a culture will be examined during travel in groups, led by an instructor, to important cities or sites. Monuments, museums, architecture, plays, and/or concerts will be studied. Reading assignments and lectures. Not restricted.

HUN 2201 Nutrition (3) NU NUR

PR: Course work in chemistry and biology or permission of faculty. Open to majors and non-majors. The study of fundamental principles of normal nutrition as they relate to human life and growth from conception through senescence, interpretation of current nutrition information, and application of nutrition knowledge in the establishment of good eating habits

HUN 3932 Selected Topics in Nutrition (3) US DEA

The content of this course will be determined by student demand and instructor interest. Repeatable up to 3 times with different topics.

HUN 4444 Clinical Nutrition (3) NU NUR

PR: HUN 2201 or equivalent. Focuses on the role nutrition has in causing and preventing disease processes.

IDH 2009 Discovery: People, Processes and Problems (3) HC HON

PR: Admission to Honors College. An appreciation of the research process in multiple disciplines culminating in the production of a collaboratively developed research proposal.

IDH 2010 Acquisition of Knowledge (3) HC HON

PR: Admission to Honors College. An appreciation of the problems of how human understanding proceeds through operations such as perception, classification, and inference, among others, as well as the open philosophical questions behind these operations.

IDH 2930 Selected Topics (1-4) HC HON

PR: IDH 2010 or CI. This course is designed to emphasize a selected problem or issue that is meaningful and challenging to University Honors students and special populations. A variety of instructional approaches will be used. Topics will vary each semester. Repeatable for a total of 8 credits.

IDH 3100 Arts/Humanities Honors (1-3) HC HON

PR: IDH 2010. An introduction to western arts and letters from the perspectives of three periods (classicism, romanticism, and modernism), the relationship of ideas to art, the similarities among the arts of a given period, and important differences between periods.

IDH 3350 Natural Sciences Honors (3) HC HON

PR: IDH 2010. An exploration of current knowledge concerning fundamental principles in the Sciences, their potential for application and attendant ethical and philosophical questions. Honors College students only. Repeatable up to 6 hours.

IDH 3400 Social and Behavioral Sciences Honors (3) HC HON

PR: IDH 2010. Introduction to the concerns of the Social and Behavioral Sciences, methods of inquiry, discovery, and validation of knowledge. A survey of the way various disciplines examine the question of how society is organized.

IDH 3600 Seminar in Applied Ethics (3) HC HON

PR: IDH 2010. This course explores ethical issues related to selected topics such as Ethics of Technology, Ethics in Business, Bio-Medical Ethics, Personal Ethics Development.

IDH 4000 Honors Program Seminar: Major Works/Majors Issues (4) HC HON

PR: IDH 2010. This course explores major works and major issues in a variety of disciplines. Each section will be devoted to content in a different academic area.

IDH 4200 Geographical Perspectives Honors (3) HC HON

PR: IDH 2010. An introduction to African, Latin American, Middle Eastern, or Asian perspectives focusing on social, political and economic, artistic, cultural and intellectual subject matter. The material will be presented within a geographical, chronological, and humanities background.

IDH 4910 Undergraduate Research (1-4) HC HON

PR: DPR. A supervised program of interdisciplinary research in areas of specific interest. Open to all USF students by application through the undergraduate research coordinator.

IDH 4930 Selected Topics (1-4) HC HON

PR: IDH 2010 or CI. This course is designed to emphasize a selected problem or issue that is meaningful and challenging to University Honors students and special populations. A variety of instructional approaches will be used. Topics will vary each semester. Repeatable for a total of 8 credits.

IDH 4950 Honors Project (1-4) HC HON

A program of independent research or study in areas of specific interest working under the supervision of a faculty mentor. Restricted to Honors College students.

IDH 4970 Honors Thesis (3) HC HON

PR: Senior Honors Standing. The development and public presentation of a senior thesis under the direction of a mentor. Course is taken for 2 semesters.

IDH 5956 Honors Graduate Project (3) HC HON

PR: Senior Status and permission of Honors College. Advanced Honors Project. Repeatable up to 12 hours.

IDH 5975 Honors Thesis (3) HC HON

PR: Senior Status and permission of Honors College. Advanced Honors Thesis. Repeatable up to 12 hours.

IDS 2664 Social Science Perspectives I SS (3) AS IAS

Provides an overview of the evolution and global expansion of Western Civilization. Examines global problems of economic growth and development; geopolitical relations among nations and states, food supply and hunger, and environmental change.

IDS 2665 Social Science Perspectives II SS (3) AS IAS

Approaches the study of human behavior and society using the lens of various institutions. The course addresses issues of social stratification, economics, education, religion and social status. The course is not restricted to any major, has no lab section, and is not cross-listed.

IDS 2666 Historical Perspectives I HP (3) AS IAS

Approaches the study of human history through a series of specific case-studies that focus on historical processes. The primary focus of the course is to understand the variety of ways that the past has been brought into and understood in the present, rather than a comprehensive survey of a limited time or place.

IDS 2667 Historical Perspectives II HP (3) AS IAS

Approaches the study of human history through a series of specific exercises that focus on what historians do: produce histories. The primary focus of the course is to understand the variety of ways that the past

can be emplotted in histories, rather than a comprehensive survey of a limited time or place. With this understanding, students will produce several of their own histories.

IDS 2931 Selected Topics (1-5) AS IAS

Selected topics in liberal arts and sciences. A basic introduction to the substance and theory of contemporary topics in humanities, social science or natural science.

IDS 2932 Selected Topics HP (3) AS IAS

Selected topics in the liberal arts and sciences.

IDS 2933 Selected Topics III SS (3) AS IAS

Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 2934 Selected Topics IV SS (3) AS IAS

Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 3115 Values and Choices 6A MW (3) ED EDF

An in-depth examination of values and their relationship to choices in contemporary society using historical perspective and inquiry of moral/ethical dilemmas. Available to majors or non-majors.

IDS 3186 Scientific and Ethical Dimensions of Human Disease MW (3) AS IAS

PR: DPR. An interdisciplinary perspective of the biological basis of human disease combined with critical thinking and medical ethics. Basic concepts of human disease are integrated with bioethical dimensions of patient choice, physician responsibility and current health care issues.

IDS 3662 Arts Connections FA (3) VP FAI

This is an interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Artists from the four disciplines will provide weekly presentations centered around issues and ideas that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping their perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

IDS 3663 Critical Issues Affecting the Arts 6A MW (3) VP FAI

PR: Junior standing or CI. A discussion-based examination of cultural trends, educational policies, governmental regulations, and financial factors which impact Art, Dance, Music, and Theatre.

IDS 3668 Images of Contemporary Urban Culture 6A LW (3) AS IAS

Offers multiple perspectives on the vision, theories, and practices of contemporary urban culture through the use of various literary genres. Examines the cultural realities of contemporary urban life, such as social stratification, discontinuity, anonymity and poverty; as well as its many potentials such as creative energy, diversity, and relational networks. Must have enough credit hours required for exit course admittance.

IDS 3949 Cooperative Education, Parallel (0-2) US COE

PR: 45+ semester hours completed, cumulative GPA 2.5+, have a declared major and be accepted in Cooperative Education Program. Part-time (10-25 hrs/wk) paid or for credit, career-related work experience. This course may be repeated up to 6 credit hours. Prerequisite: 45+ hours of credit, GPA 2.5+, a declared major and be accepted in Cooperative Education Program. S/U Only.

IDS 4910 Community Research (1-4) AS CEL

PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community related research experience.

IDS 4942 Community Internship (1-4) AS CEL

PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community internship experience.

IDS 4949 Cooperative Education, Alternating (0-3) US COE

PR: 45+ semester hours completed, cumulative GPA 2.5+, have a declared major and be accepted in Cooperative Education Program. Full-time (40 hrs/wk) paid or for credit, career-related work experience. This course may be repeated up to 6 credit hours. Prerequisite: 45+ hours of credit, GPA 2.5+, a declared major and be accepted in Cooperative Education Program.

IDS 4955 International Community Research (1-4) AS CEL

PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with an international community research experience.

IDS 4956 International Community Internship (1-4) AS CEL

PR: CEL Program approval. To provide students with an international community internship experience. Repeatable up to 8 credits.

IDS 5177 The Atelier, Its Management and History (3) VP ART

This class will consider the history of printmaking and other forms of collaborative art production through the prism of the atelier and its management.

IDS 5178 Problems in Museum Studies (3) VP ART

PR: Art Advisor's Approval This class is designed as both an academic and theoretical course to introduce students to the museum profession and develop critical thinking skills required to solve problems in the

rapidly changing typography of museums. Students will develop managerial and administrative skills as they meet with and discuss the job descriptions of curators, educators, collection managers, marketing professionals, exhibit designers, registrars, and fundraisers.

INP 2101 Applied Psychology SS (3) AS PSY

The application of psychological principles and the functions of psychologist in education, government, industry, and clinical practice.

INP 4004 Industrial Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, decision-making.

INR 1015 World Perspective SS AF (3) AS INT

An interdisciplinary study of the international system, major world regions and problems.

INR 2002 Introduction to International Relations (3) AS POL

Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.

INR 3003 Introduction to International Studies (3) AS INT

An interdisciplinary study which stresses methods and analysis. A major portion will focus on the roles which different disciplines play in interpreting the international scene.

INR 3011 Globalization (3) AS INT

Influence of globalization on political-economic and social systems around the world. International organizations involved with globalization processes are studied along with nations benefiting and suffering from the consequences of globalization.

INR 3018 World Ideologies MW (3) AS INT

A course which details and examines the ideologies of today's independent countries; analyzing them in their political, social, cultural and historical context.

INR 3033 International Political Cultures MW (3) AS INT

This course will explore ways in which culture influences the nature of government, economic success or failure, and constructive and destructive modes of self and social identification.

INR 3038 International Wealth and Power SS (3) AS INT

Introduction to the relationship between politics and economics, emphasizing the analysis of government policies in response to both domestic and international economic problems.

INR 3081 International Issues and Actors (3) AS INT

Departmental approval required. For majors and minors in INT only. An examination of the most important issues in international affairs. The course analyzes the behavior of major foreign policy actors in the international arena, including nation states, non-governmental and international organizations.

INR 3084 International Terrorism SS AF (3) AS INT

A study of contemporary international terrorism and its causes, ranging from national liberation movements to networks of philosophical anarchists.

INR 3102 American Foreign Policy (3) AS POL

Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

INR 3141 Global Security Policy (3) AS INT

A study of security issues, regional and global (such as proliferation, arms control, arms transfer) as they relate to contemporary international politics.

INR 3202 International Human Rights MW (3) AS INT

This courses explores the evolution of international rights from the Greeks to the present. It examines human rights issues in major regions of the world.

INR 3336 Intelligence and U.S. Foreign Policy (3) AS INT

An examination of the role of intelligence and the intelligence community in U.S. foreign policy, with emphasis on the period since World War II.

INR 3955 Overseas Study (1-6) AS INT

A program of individual or group research in a foreign country.

INR 4035 International Political Economy (3) AS POL

Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

INR 4083 Conflict In The World MW (3) AS INT

PR: Junior/Senior standing. An interdisciplinary course examining theories of conflict, conflict resolution processes and strategies, theories and peacemaking strategies, and the concept of Early Warning Systems related to the outburst of conflict.

INR 4254 Africa in World Affairs MW (3) AS INT

An examination of Africa's place and role in world affairs, including an analysis of the impact of external forces, international relations in post-colonial Africa, the relations of African states with the major world powers, the U.N. and its agencies.

INR 4403 International Law SS (3) AS POL

Examines essential components of the international legal system; recognition; succession; sea, air and space law, treaties, diplomats, International Court of Justice; laws of war, etc. Introduces the student to legal reasoning as employed in the international context.

INR 4502 International Organizations SS AF (3) AS POL

Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multi-national corporations.

INR 4900 Directed Readings (1-3) AS INT

PR: Cl. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

INR 4910 Directed Research (1-3) AS INT

PR: Cl. A supervised program of interdisciplinary research in areas of specific interest.

INR 4931 Selected Topics (1-4) AS INT

Interdisciplinary studies with course content dependent on student demand and instructor's interest.

INR 4936 Senior Seminar MW (3) AS INT

PR: International Studies major and senior standing. A variable topics seminar integrating concepts and analyses relating to the academic background of INT majors. Should be taken in the student's final semester.

INR 4943 Internship in International Studies (3-6) AS INT

PR: Senior status. S/U only. For majors only. The purpose of the course is to promote the student's understanding of global international issues within a local and practical context.

INR 5012 Globalization (3) AS INT

Examination of globalization's impact on international relations, including literature from political science, anthropology, geography, sociology, and economics that impacts the study of the nation-state system and power. Open to majors and non-majors.

INR 5086 Issues in International Relations (3) AS POL

Sr./GS. Explores specific topics and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics.

ISC 1004 Integrated Natural Sciences I: Science that Matters NS (3) AS IDS

Discussion of integrative concepts in biology, chemistry, geology, and physics based on major knowledge strands of the Florida and Natural Science Education Standards. This course deals with current topics relevant to students, is inquiry based, and emphasizes development of higher order (critical thinking) skills through active learning strategies.

ISC 1005 Integrated Natural Sciences II: Science that Matters NS (3) AS IDS

Discussion of integrative concepts in biology, chemistry, geology, and physics based on major knowledge strands of the Florida and Natural Science Education Standards. This course deals with current topics relevant to students, is inquiry based, and emphasizes development of higher order (critical thinking) skills through active learning strategies.

ISM 3011 Information Systems in Organizations (3) BA QMB

PR: CGS 2100 or equivalent. An introduction to the language, concepts, structures and processes involved in the management of information systems including fundamentals of computer-based technology and the use of business-based software for support of managerial decisions.

ISM 3113 Systems Analysis and Design (3) BA QMB

PR: ISM 3011 with a grade of "C" or better (not C-). The course presents concepts, procedures, and tools needed to build computer-based information systems. The objective is to develop project management, data collection, analysis, design, testing and documentation skills.

ISM 3232 Business Application Development (3) BA QMB

CP: ISM 3011 with a grade of "C" or better (not C-). Presentation of business application development using an object-oriented programming language. Good program design techniques are emphasized. Business applications are developed.

ISM 3431 Management Science Production/Operations Management Applications (3) BA QMB

PR: MAC 2233 or MAC 2241. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4133 Advanced Systems Analysis and Design (3) BA QMB

PR: ISM 4212 with a grade of "C" or better (not C-). This course builds previous class and/or work experience in systems development, with particular emphasis on the use of an integrated CASE tool on a team project. Students will gain an understanding of systems development problems and approaches using a variety of methods, such as, lectures, discussion, team presentations, guest speakers, demonstrations and computer use.

ISM 4141 Web Application Development/Java (3) BA QMB

PR: ISM 3232 with a grade of "C" or better (not C-). Java will be used to introduce object oriented concepts. Programming assignments cover a variety of application features including graphical user interface, database connectivity, multithreading, & client-server computing using Java and Java Server Pages.

ISM 4212 Database Design and Administration (3) BA QMB

PR: ISM 3113 with a grade of "C" or better (not C-). An introduction to the concepts and principles of database management. Provides potential designers, users and managers of database systems with an understanding of physical vs. logical representations, data modeling, implementation, and data management.

ISM 4213 Advanced Database Administration (3) BA QMB

PR: ISM 3113, ISM 4212, with grades of "C" or better (not C-). Essential concepts of database administration in a business environment are covered in order to prepare students to understand and deal with database administration issues and concepts. Students gain hands-on experience by administering a database environment and completing assignments that involve resource management, data administration, security, backup, recovery and database tuning issues.

ISM 4220 Business Data Communications (3) BA QMB

PR: ISM 3011 with a grade of "C" or better (not C-). Fundamentals of data communication, including network architectures, communication protocols, transmission standards, and internetworking. Basic concepts in distributed computing will also be covered.

ISM 4233 Information System Interface Design (3) BA QMB

PR: ISM 3232 with a grade of "C" or better (not C-). An introduction to theories of human-computer interaction and the principles and practices of information system interface design, evaluation, and integration. Students develop programs utilizing various user interface design techniques.

ISM 4234 Object-Oriented Design and Development (3) BA QMB

PR: ISM 3232 with a grade of "C" or better (not C-). This course presents an object-oriented approach to software development of business information systems. Students will learn to create object models of the business world and to develop information system designs based on these objects.

ISM 4240 Distributed Operating Systems (3) BA QMB

PR: ISM 3113 with a grade of "C" or better (not C-). Introduction to distributed operating systems fundamentals such as distributed systems architecture, file structures, client-server, open systems, resource allocation, and basic tools for manipulating these operating environments.

ISM 4290 Senior Seminar in Information Systems (3) BA QMB

PR: ISM 4212 with a grade of "C" or better (not C-). A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.

ISM 4300 Managing Information Resources (3) BA QMB

PR: ISM 4212 and ISM 4220, with grades of "C" or better (not C-). Current issues in information systems management focusing on managing computer resources and social issues such as ethics, privacy, and legal issues including intellectual property.

ISM 4382 Global Information Systems (3) BA QMB

PR: ISM 3011 with a grade of "C" or better (not C-). Role of information technology in global business organizations and challenges in building information systems to enable global operations.

ISM 4400 Decision Support Systems (3) BA QMB

PR: QMB 3200, ISM 3011, with a grade of "C" or better (not C-). Study of quantitative analysis tools and their use in organizational decision making. Emphasis on a structured approach to making common business decisions, demonstrating several forms of mathematical modeling and other management science techniques.

ISM 4480 Electronic Commerce Systems (3) BA QMB

PR: ISM 3011 with a grade of "C" or better (not C-), MIS major or CC. Familiarize students with the opportunities and challenges associated with e-commerce and its business models, to explore the underlying technologies used in implementing e-commerce systems, and to develop the skills needed to manage effective Web sites.

ISM 4905 Independent Study (1-6) BA QMB

S/U only. Independent study as directed by designated faculty.

ISM 4930 Selected Topics in MIS (1-3) BA QMB

Selected topics in MIS.

ISM 4950 Independent Research (1-6) BA QMB

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

ISS 1101 Knowledge and Society SS (3) AS ISS

Course introduces students to issues concerning the relationship between knowledge and society. Among the issues addressed are competing accounts of knowledge and the relationship between knowledge and other forms of human experience and different aspects of social life such as religion, morality, aesthetics, politics, and gender.

ISS 1102 Self and Society SS (3) AS ISS

Course introduces students to issues concerning the relationship between the self (or individual) and society. Among the topics that may be addressed are the idea of human nature, how human nature is

shaped by social and cultural factors; the moral obligations between individuals and society; and how our understanding of the self is shaped by gender and culture.

ISS 1103 Nature and Culture SS (3) AS ISS

This course examines competing ideas and theories concerning the relationship between nature and culture. Among the issues and questions examined are the relationship between nature and our awareness of it; to what extent is nature transformable; should "nature" dictate the shape of social institutions; how does technology affect our society and environment.

ISS 3010 Introduction to the Social Sciences (3) AS ISS

Integrates the range of social science fields into a global interdisciplinary perspective. Views social institutions and issues from perspectives of changing paradigms.

ISS 3930 Selected Topics in the Social Sciences (1-4) AS ISS

Interdisciplinary studies of varying topics, with course content dependent on student demand and instructor's interest.

ISS 4151 Native American Women (3) AS ISS

An interdisciplinary examination of lives of Native American Women, past and present, Topics include history, education, politics, family, etc.

ISS 4900 Directed Readings (1-3) AS ISS

PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

ISS 4910 Directed Research (1-3) AS ISS

PR: CI. A supervised program of interdisciplinary research in areas of specific interest.

ISS 4935 Seminar in the Social Sciences MW (3) AS ISS

PR: Senior standing and ISS 3010 or CI. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of theoretical models to research on salient social issues.

ISS 5934 Selected Topics (1-3) AS AFA

PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest.

ITA 1120 Beginning Italian I (4) AS WLE

CR: ITA 1120L. The first course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking, and reading.

ITA 1120L Beginning Italian Laboratory (1) AS WLE

CR: ITA 1120. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 1121 Beginning Italian II (4) AS WLE

CR: ITA 1121L. The second course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking and reading.

ITA 1121L Beginning Italian II Laboratory (1) AS WLE

CR: ITA 1121. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 2200 Italian III (3) AS WLE

PR: ITA 1121 or equivalent. Readings in Italian on the elementary level. A review of the basic structure of spoken and written Italian.

ITA 2201 Italian IV (3) AS WLE

PR: ITA 2200. This course marks the fourth level in the acquisition of Italian language. It continues to encourage students to speak, listen, read and write in the target language through frequent communicative activities.

ITA 2240 Italian Conversation I (3) AS WLE

PR: ITA 2200 or CI. This advanced-level Italian course belongs to the third level of modules leading to proficiency. It aims at consolidating student's knowledge of Italian grammar and vocabulary with the ultimate goal of fostering accuracy in Italian conversation.

ITA 2241 Italian Conversation II (3) AS WLE

PR: ITA 2241 or CI. This advanced-level Italian course belongs to the third level of modules leading to proficiency. It aims at consolidating student's knowledge of Italian grammar and vocabulary with the ultimate goal of fostering accuracy in Italian conversation.

ITA 3420 Composition (3) AS WLE

A fundamental composition course for students who have completed ITA 2200.

ITA 3470 Overseas Study (1-6) AS WLE

Prior approval and early registration required. An intensive study-travel project in Italy.

ITT 3504 Italian Cultural Studies HP MW (3) AS WLE

An overview of Italian culture from the Unification to the present. It aims at tracing the ways in which the concept of Italian culture has been defined according to different social, historical, and political perspectives.

Taught in English

ITW 4100 Survey of Italian Literature I (3) AS WLE

The course aims at providing an introduction to the study of Italian Medieval and Renaissance literature and civilization. The course may be taught as a survey course or it may focus on any author, period, genre, or cultural theme.

ITW 4101 Survey of Italian Literature II (3) AS WLE

The course aims at providing an introduction to the study of Italian Modern and Contemporary literature and civilization. The course may be taught as a survey course or it may focus on any author, period, genre, or cultural theme.

ITW 4905 Directed Study (1-3) AS WLE

Departmental approval required. Selected topics in Italian literature.

JOU 2100 Beginning Reporting (3) AS COM

PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, newsgathering, and newswriting techniques for various media. Typing ability is required.

JOU 3101 Advanced Reporting (3) AS COM

PR: JOU 2100 or RTV 3301 (RTV majors only), JOU 4201 (may be taken concurrently), PHI 1103 and POS 2041. Reporting and writing the more complex and specialized story. Techniques of investigative and analytical reporting, including ethical and legal considerations.

JOU 3306 Critical Writing: Editorials, Reviews, Columns (3) AS COM

PR: JOU 3101 and JOU 4201. Interpretive and opinion writing for the mass media. Analysis and discussion of current events as a basis for critical thinking and editorial writing. Evaluation of editorial pages of leading newspapers. Study of journalistic techniques involved in writing reviews and personal columns.

JOU 3308 Magazine Article and Feature Writing (3) AS COM

PR: CRW 2100 and JOU 2100. Planning, researching, writing, and marketing articles for general and special interest magazines and newspaper supplements. Experiences in developing article ideas and analysis of magazine articles.

JOU 3940 Reporting Practicum (1) AS COM

PR: JOU 3101 and CI. For journalism sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 4181 Public Affairs Reporting (3) AS COM

PR: JOU 3101 or RTV 3301 (RTV majors only), POS 2041 and POS 2112 or POS 3142. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Emphasis is on coverage of major governmental units of all levels of government, including examination and interpretation of public documents and records.

JOU 4188 Neighborhood News Bureau (3) AS COM

PR: JOU 2100, MMC 2100, MMC 3602 This course provides students with experience and news clips. Classes are conducted as editorial meetings and students report and write about minority and multi-ethnic communities. The course is restricted to majors and is not repeatable for credit.

JOU 4201 News Editing I (3) AS COM

PR: ECO 1000, JOU 2100, and SYG 2010. Evaluating news and its display. Editing and rewriting copy for the mass media including new media, with emphasis on the daily newspaper. News judgment, headlines and makeup. Ethical problems. Introduction to theories of design and graphics.

JOU 4206 Newspaper and News Publication Design (3) AS COM

PR: JOU 4201 or CI. Theoretical and practical applications of newspaper and news publication design, including typography, graphics, graphics software and electronic picture editing. Exercises in design for newspapers and news publications in both print and electronic formats.

JOU 4212 Magazine Design and Production (3) AS COM

PR: JOU 4201. Theoretical and practical application of design principles for magazines. Design software. Study of visual design, page architecture, typography, color and illustrations. Integration of design elements in the design of magazine covers. Design elements specific to magazine and production preparation.

JOU 4938 Senior Capstone Seminar (2) AS COM

PR: Senior standing as a department major. Students complete a final professional project, a portfolio, and exit examination. Senior Seminar is the result of the department's development of a plan to set and measure learning outcomes. It is restricted to majors and not repeatable for credit.

JOU 4941 Editing Practicum (1) AS COM

PR: Senior standing, JOU 4201 and CI. For journalism sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 4944 Magazine Practicum (1) AS COM

PR: Senior standing and CI. For journalism sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 5105 Newswriting and Editing (3) AS COM

PR: GS in Mass Communications or CI. Introduction to the basics of gathering, writing, and editing the news, with an emphasis on practical assignments done under professional conditions and standards. Discussions, readings emphasize the larger context and implications of news.

JOU 5305 Explorations in Newswriting (3) AS COM

PR: CC. Students work to develop writing styles, reporting on and creating stories about significant issues, events, and ideas. The course explores the notion that narrative-style journalism can be accurate, thorough, fair, and compelling, effectively bringing readers into stories and giving them a bigger stake in the news. The focus is on-going beyond traditional practices of reporting and writing news stories.

JOU 5344 Multimedia Journalism (3) AS COM

PR: An appropriate undergraduate degree in mass communications or significant professional experience in journalistic writing styles. The course is designed to bring components of print, web and broadcast writing together to develop skills for and understanding of the multimedia environment. It is restricted to majors and not repeatable for credit.

JPN 1120 Modern Japanese I (4) AS WLE

CR: JPN 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking, and some composition.

JPN 1120L Modern Japanese I Laboratory (1) AS WLE

CR: JPN 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

JPN 1121 Modern Japanese II (4) AS WLE

PR: JPN 1120 or equivalent. CR: JPN 1121L. A continuation of JPN 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

JPN 1121L Modern Japanese II Laboratory (1) AS WLE

CR: JPN 1121. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

JPN 2220 Modern Japanese III (4) AS WLE

PR: JPN 1121 or equivalent. Continuing study to attain basic proficiency in Japanese.

JPN 2221 Modern Japanese IV (4) AS WLE

PR: JPN 2220 or equivalent. Continuation of JPN 2200.

JPN 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Japanese not available in regularly scheduled curriculum at departmental discretion.

JPN 4930 Selected Topics (1-5) AS WLE

Departmental approval required. Course permits study options in Japanese not available in the regularly scheduled curriculum at departmental discretion.

LAE 4314 Teaching Writing in the Elementary School, Grades K-6 (3) ED EDE

PR: Elementary Education majors or CL. The purpose of this course is for students to understand children's writing development and to design and implement instructional strategies for teaching composition in an integrated Language Arts curriculum.

LAE 4323 Methods of Teaching English: Middle School (3) ED EDT

Must be taken one or two semesters prior to internship. Recommended to be taken with LAE 4464. Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for middle school students.

LAE 4335 Methods of Teaching English: High School (3) ED EDT

PR: LAE 4464. Must be taken one semester prior to internship concurrently with LAE 4530. Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for high school students.

LAE 4414 Teaching Literature in the Elementary School, Grades K-6 6A LW (3) ED EDE

Jr./Sr. Standing The purpose of this course is for students to survey and analyze the genres of children's literature and to develop instructional strategies to use literature in literacy learning across the curriculum.

LAE 4416 Teaching Literature and Writing in the Elementary Grades 6A LW (3) ED EDE

PR: Elementary Education major. This course is designed to provide students with the skills necessary to implement a coordinated literature program and an integrated writing curriculum. Not repeatable for credit.

LAE 4464 Adolescent Literature for Middle and Secondary Students 6A LW (3) ED EDT

PR: English Education majors or CI. Recommended to be taken with LAE 4323 two semesters prior to internship. A study of the types of literature read by adolescents with an emphasis upon the criteria for the choice of good books and knowledge of available books and teaching materials.

LAE 4469 Teaching World Literature to Middle and Secondary Students MW (3) ED EDT

World literature encompasses more than Western European literature. This course is designed to emphasize, but is not limited to, the study of Eastern literature. This course fulfills the world literature course requirement for teacher certification in English.

LAE 4530 Methods of Teaching English: Practicum (3) ED EDT

PR: Senior standing or enrollment in Plan II Master's Program. CR: LAE 4323 or LAE 4335. Taken one semester, spring or fall, prior to internship.

LAE 4936 Senior Seminar in English Education (2) ED EDT

PR: Senior standing. Required concurrently with internship. Synthesis of teacher candidate's courses in complete college program.

LAE 4940 Internship: English Education (1-12) ED EDT

S/U only. One full semester of internship in a public or private school. Intern takes Senior Seminar in English Education concurrently. In special programs where the intern experience is distributed over two or more semesters, student will be registered for credit which accumulates from 9 to 12 semester hours.

LAE 5462 Young Adult and World Literature for New Teachers (3) ED EDI

PR: Teaching position w/either English degree or 30 hrs of Undergraduate English A study of the types of literature read by adolescents, including literature representative of other cultures, with emphasis upon the criteria for the choice of good books and knowledge of available books and teaching materials.

LAE 5862 Classroom Communication in English Education (3) ED EDI

Identifies characteristics of classroom communication environment; offers insights, info, instructional strategies designed to help you become effective classroom communication managers. Emphasis on role of media & non-print texts in students' lives.

LAE 5932 Selected Topics in the Teaching of English (3) ED EDT

PR: Certification in English and/or Mass Communications and approval of graduate advisor. Investigation of topics which are of special interest to the student and are related to the teaching of English in the secondary school. Topics will be selected by the student in accordance with his particular goals and will be approved by the student's graduate advisor.

LAH 2020 Latin American Civilization HP AF (3) AS HTY

An introduction to selected issues, events, and people in Latin American history from 1492 to the present. Focus on Argentina, Brazil, Chile, Cuba, and Mexico. Intended for students in any discipline; no prerequisites. An entry-level course for Latin American studies.

LAH 2733 Latin American History in Film HP AF (3) AS HTY

Through the use of films and readings, the course introduces the broad sweep of Latin American history from the pre-Columbian period to today. Emphasis is placed on the social-cultural context to understand the peoples and events that have shaped Latin America.

LAH 3130 Colonial Latin America (4) AS HTY

A study of the Spanish and Portuguese Colonial empires in the New World from 1492-1830.

LAH 3200 Modern Latin America (4) AS HTY

A study of the emergence of the Latin American states. The course will examine developments in Latin America during the nineteenth and twentieth centuries. Special attention is given to the Third World character of the region.

LAH 3430 History of Mexico (4) AS HTY

Mexican history from pre-Columbian cultures to the twentieth century. Emphasis falls on the colonial political economy, social development, the wars of independence, development of the 19th century Mexican state and the Mexican revolution.

LAH 3470 History of the Caribbean (4) AS HTY

A thematic study of the circum-Caribbean from pre-Columbian cultures to the twentieth century, emphasizing the development of the Caribbean political economy with emphasis on monoculture, plantation society, and colonial/neo-colonial relationships.

LAH 3480 History of Cuba (4) AS HTY

Cuban history from pre-Columbian cultures to the Cuban Revolution. Emphasis on colonization, the sugar economy, the struggles for independence, the political economy of the Republic, and the 20th century revolutionary process.

LAS 3002 Latin America (3) AS INT

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

LAS 3004 The Americas - Latin and Caribbean (3) AS INT

This is a telecourse that is designed to introduce the complexities of Latin America and the Caribbean to students in the U.S. (Open University - televised course.)

LAS 3116 Latin America Through Film AF (3) AS INT

This course will use film, video, selected readings, and lectures to teach the interested student about Latin America.

LAS 4934 Selected Topics: Latin American Studies (3-9) AS INT

Latin America region will be analyzed through different specific topics to provide students analytical tools to understand hemispheric relations and the relevance of this complex region for the USA. Open to non-majors, repeatable up to 09 credits.

LAS 4940 Internship in Latin American and the Caribbean (1-9) AS INT

PR: CI. Designed to complement other instruction focused on Latin America and the Caribbean. Open to all majors and is repeatable up to 9 hours.

LAT 1120 Beginning Latin I (4) AS WLE

An introductory course in Latin grammar with appropriate readings.

LAT 1121 Beginning Latin II (4) AS WLE

PR: LAT 1120 or equivalent. An introductory course in Latin grammar with appropriate readings.

LAT 2220 Intermediate Latin (4) AS WLE

PR: LAT 1121 or equivalent. Readings in Latin at an intermediate level.

LAT 2221 Intermediate Latin II (4) AS WLE

PR: LAT 2220. This class will introduce students to their first Latin author, and to the techniques and skills of intermediate work in Latin. It will also provide a comprehensive review of Latin Grammar. It is not restricted to majors, and not repeatable for credit.

LIN 2002 Language, Culture and Film AF (3) AS WLE

Offers initial exposure to foreign languages and cultures. Through lecture, demonstration, discussion, and the viewing of full-length feature films, students are introduced to a variety of prominent modern and ancient languages and cultures.

LIN 3010 Introduction to Linguistics (3) AS WLE

Introduction to the basic principles of linguistic science; phonological and grammatical analysis and description; language change and genetic relationships.

LIN 3670 English Grammar and Usage (3) AS ENG

A course in the basics of traditional English grammar designed as a complement to our composition and creative writing courses, as a review for those students who will take preprofessional exams, and as a basic course for students interested in improving their knowledge of English. Will not be counted toward the English major.

LIN 3801 Language and Meaning 6A (3) AS WLE

A survey introduction for non-specialists to the basic principles of semantics and the way language conveys ideas. This course is also available on WUSF/TV Channel 16 by the O.U. Program.

LIN 4040 Descriptive Linguistics (3) AS WLE

PR: LIN 3010 or CI. Introduction to the basic techniques of formalizing linguistic descriptions through elementary phonological, morphological, and syntactic data solution-problems drawn from a variety of languages. Both taxonomic and generative analysis and descriptions will be developed and compared.

LIN 4575 Language Types of the World () AS WLE**LIN 4600 Language and Society (3) AS WLE**

PR: LIN 3010. An analysis of the interrelation of a language and the structure of the society using it. the linguistic behavior patterns characteristic of particular social, political, economic, educational, and racial groups. Problems in communication between strata.

LIN 4671 Traditional English Grammar (3) AS ENG

A course primarily using the sentence diagram to present a detailed analysis of the parts of speech, verb tenses, sentence functions, and other basic grammatical classifications of traditional English grammar.

LIN 4680 Structure of American English (3) AS ENG

An introductory survey of traditional, structural, and generative transformational grammars and their techniques for the analysis and description of linguistic structure in general, and contemporary American English, in particular.

LIN 4710 Language and Communication: Acquisition and Development (3) AS WLE

PR: LIN 3010. A survey of current research and theory in the processes of normal acquisition and development of language and communication in children. the acquisition and development of phonology, syntax, semantics, pragmatics, and nonverbal communication and the role of language in general cognitive development.

LIN 4903 Directed Reading (1-3) AS WLE

PR: CI. Readings in special topics.

LIN 4930 Selected Topics (1-3) AS WLE

PR: CI. Course content depends upon students' needs and instructor's interest and may range over the entire field of linguistics.

LIN 5700 Applied Linguistics (3) AS WLE

Analysis of the phonological, morphological, and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers.

LIS 2005 Library and Internet Research Skills (3) AS LIS

An introduction to information research skills as they apply to using both academic libraries and the Internet. Assignments will focus on developing skills to locate, evaluate, and use sources of information.

LIS 2937 Selected Topics in Library/Information Science (1-3) AS LIS

Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues.

LIS 3361 World Wide Web Page Design and Management (3) AS LIS

PR: LIS 2004. Covers a variety of strategies in designing and maintaining effective World Wide Web pages for publication on the Internet.

LIS 4930 Selected Topics in Information Studies (3) AS LIS

Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues.

LIS 5020 Foundations of Library and Information Science (3) AS LIS

Introduction to the study of library and information science, history; organization; specialized literature; outstanding leaders; current trends, issues, and problems; the place of the information agency in society with its contributions to that society.

LIS 5268 Microcomputer Applications Library and Information Centers (3) AS LIS

Microcomputer hardware and software for libraries and their application in library/information settings. Projects using major applications for budgets, databases, and telecommunications are undertaken.

LIS 5315 Instructional Graphics (3) AS LIS

Theoretical aspects, planning and production of instructional graphic material. The theory of graphic communications. Interpreting needs for instructional materials appropriate for given behavioral objectives.

LIS 5333 TV in Schools and Libraries (3) AS LIS

Small format video tape recordings and the utilization of open and closed broadcasts in schools and libraries.

LIS 5937 Selected Topics in Library Studies (1-4) AS LIS

Covers a variety of topics in such areas as collection development, reference services, technical services, and administration.

LIT 2000 Introduction to Literature 6A HP (3) AS ENG

The nature and significance of literature in its various forms: fiction, drama, poetry; emphasis on the techniques of reading literature for informed enjoyment. Will not be counted toward the English major.

LIT 2010 Introduction to Fiction 6A HP (3) AS ENG

A study of the short story and novel as literary forms; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 2030 Introduction to Poetry 6A HP (3) AS ENG

A study of the poem as literary form; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 2040 Introduction to Drama 6A HP (3) AS ENG

A study of the major forms of drama as literature and theatre; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 3022 Modern Short Prose HP (3) AS ENG

PR: ENC 110 and ENC 1102. This course for English majors and minors explores modern short prose in World, British, and American literatures; genres include the short story, the long short story, the short novel, and the essay. Not repeatable.

LIT 3031 Survey of Poetry (3) AS ENG

A chronological sampling of the major poems written in English from the Middle Ages to the present. Recommended as the first literature course in the Poetry Option.

LIT 3043 Modern Drama (3) AS ENG

A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

LIT 3093 Contemporary Literature (3) AS ENG

An introduction to the fiction, poetry, and drama written since 1945--American, British, Continental, or Multicultural. Focus may be on one, two, or all three genres or on works from any combination of nationalities.

LIT 3101 Literature of the Western World Through the Renaissance 6A (3) AS ENG

A study in English of the great works of Western Literature from its beginnings through the Renaissance, including the Bible, Homer, Sophocles, Plato, Euripides, Virgil, Cicero, Dante, Petrarch, Machiavelli, and Rabelais, among others.

LIT 3102 Literature of the Western World Since the Renaissance 6A (3) AS ENG

A study in English of the great works of Western Literature from the Neoclassic to the Modern Period, including such writers as Moliere, Racine, Voltaire, Dostoevsky, Chekhov, Ibsen, Kafka, Gide, Sartre, and Camus, among others.

LIT 3103 Great Literature of the World 6A MW LW (3) AS ENG

A survey of world literature including samples from the ancient and modern era, western and eastern traditions, male and female writers, and various ethnic cultures. Focus on values/ethics, race, ethnicity, and gender; thinking and writing skills. Will not be counted toward the English major.

LIT 3144 Modern European Novel 6A HP (3) AS ENG

A study of the Modern European novel in translation as it developed from the nineteenth century to the present, including such writers as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.

LIT 3155 Modern Literature 6A HP MW LW (3) AS ENG

Examines major literary works of the 20th Century and explores ways in which authors have expressed the age, its great issues and conflicts, in order to gain an historical perspective that will help relate the present to the recent past. Will not be counted toward the English major.

LIT 3301 Cultural Studies and the Popular Arts 6A MW LW (3) AS ENG

A study of twentieth century culture as it is represented in the film, fiction, and other cultural artifacts of many different nationalities. Focuses on values/ethics, race, ethnicity and gender; thinking and writing skills. Will not be counted toward the English major.

LIT 3374 The Bible As Literature MW (3) AS ENG

Major emphasis on literary types, literary personalities of the Old and New Testaments, and Biblical archetypes of British and American literary classics. Fall Semester, Old Testament; Spring Semester, New Testament. Focuses on values/ethics, race, ethnicity and gender; thinking and writing skills. May be taken twice for credit with different topics. May be counted once toward the English major.

LIT 3383 The Image of Women in Literature 6A MW LW (3) AS ENG

A study that seeks to trace the origins of contemporary views about women, to analyze major Eastern/Western literary portrayals of women, to examine ideas about women's roles, and to compare/contrast cultural/racial images of women. Will not be counted toward the English major.

LIT 3410 Religious and Philosophical Themes (3) AS ENG

Theological and philosophical ideas, allusions, and symbols in the writings of Dostoevsky, Nietzsche, Mann, Joyce, Eliot, Camus, Sartre, among others.

LIT 3451 Literature and the Occult 6A MW LW (3) AS ENG

An introduction to the occult tradition as a major ingredient in English, Continental, American, and Multicultural literature; analysis of the origins, classifications, and areas of the various magic arts from classical times through the present. Focuses on values/ethics, race/ethnicity and gender; thinking and writing skills. Will not be counted toward the English major.

LIT 3930 Special Topics in English Studies (3) AS ENG

The study of variable specialized areas of literary interest, suitable for junior and senior English majors. Topics will vary according to student interest and instructor expertise. May be taken twice for credit with different topics.

LIT 4386 British and American Literature by Women 6A MW LW (3) AS ENG

Survey of women's literary tradition in England and America from the seventeenth century to the present. Thematic focus includes self, marriage, sexuality, madness, race and generations. Writing intensive. Will not be counted toward the English major.

LIT 4463 Film and Culture 6A LW (3) AS ENG

Exploration of the history of creative filmmaking from its beginnings to the present time. Open to both majors and non-majors.

LIT 4804 Literature as Cultural Study MW (3) AS ENG

The study of literary texts as cultural artifacts. Literary texts as historical, social, political, psychological, philosophical, religious, etc. documents. Topics and works vary. Will not be counted toward the English major.

LIT 4930 Selected Topics in English Studies (1-4) AS ENG

The content of the course will be governed by student demand and instructor interest. It will examine in depth a recurring literary theme or the work of a small group of writers. Special courses in writing may also be offered under this title. May be taken twice for credit with different topics

LNW 4381 Livy (4) AS WLE

PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.

LNW 4500 Cicero and Roman Philosophy (4) AS WLE

PR: Basic knowledge of Latin. Readings in the philosophic writings of Cicero, together with a consideration of eclectic thought.

LNW 4501 Seneca and Roman Philosophy (4) AS WLE

PR: Basic knowledge of Latin. Readings in the philosophic writings of Lucius Annaeus Seneca, together with an examination of Stoic, Epicurean, and Eclectic thought.

LNW 4634 Catullus (4) AS WLE

PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.

LNW 4644 Cicero (4) AS WLE

PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

LNW 4654 Horace (4) AS WLE

PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace; study of the Ode's tradition.

LNW 4660 Vergil (4) AS WLE

Readings in Virgil's Aeneid. Study of the tradition, techniques, and artistry of Roman epic poetry. Available to majors and non-majors.

LNW 4670 Ovid (4) AS WLE

PR: LAT 1121 or equivalent. Readings in Ovid's Metamorphoses. Study of Ovid's technique, style, and artistry.

LNW 4900 Directed Reading (1-4) AS WLE

Departmental approval required.

LNW 4930 Selected Topics (4) AS WLE

Study of an author, movement, or theme.

LNW 5900 Directed Reading (1-4) AS WLE

Departmental approval required. S/U.

LNW 5934 Selected Topics (4) AS WLE

Study of an author, movement, or theme.

MAA 4211 Intermediate Analysis I 6A (4) AS MTH

PR: MAC 2313 and MAS 3105. Sequences, series, metric spaces, continuity, differentiation.

MAA 4212 Intermediate Analysis II 6A (3) AS MTH

PR: MAA 4211. Riemann-Stieltjes integration, uniform convergence, and related topics.

MAA 4402 Complex Variables 6A (3) AS MTH

PR: MAP 2302 or CI. No credit for students with credit in MAA 5405. Complex numbers, Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Theorem, Cauchy Integral Formula, residue theory.

MAA 5306 Real Analysis I (3) AS MTH

PR: MAA 4211. Riemann-Stieltjes integrals, uniform convergence, Fourier series, Lebesgue measure and integration on \mathbb{R} .

MAA 5307 Real Analysis II (3) AS MTH

PR: MAA 5306. Metric spaces, Banach spaces, and function spaces; measure and integration on abstract spaces.

MAA 5405 Applied Complex Analysis (3) AS MTH

PR: CI. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

MAC 1105 College Algebra 6A QM (3) AS MTH

PR: C (2.0) or better in MAT 1033, or 490 or better SAT Math score, or 21 or better ACT Math score, or 90 or better Elementary Algebra CPT score, or 40 or better College-Level Math CPT score. No credit for students with prior credit for MAC 1140 or MAC 1147. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications. College Algebra may be taken either for General Education credit or as preparation for a pre-calculus course.

MAC 1114 Precalculus Trigonometry 6A (2) AS MTH

PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math Score, or 24 or better ACT Math Score. CP: MAC 1140. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates.

MAC 1140 Precalculus Algebra 6A QM (3) AS MTH

PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math Score, or 24 or better ACT Math Score. CP: MAC 1114. Review of functions and graphs. Analytic geometry including conic sections and rotation of axes, systems of equations including matrix algebra and determinants, sequences and series including Binomial Theorem.

MAC 1147 Precalculus Algebra and Trigonometry 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math score, or 24 or better ACT Math score, or 60 or better College-Level Math CPT score. No credit for students with credit for either MAC 1140 or MAC 1114. This is an accelerated combination of MAC 1140 and MAC 1114; this course is best for students who have already seen some trigonometry. See the descriptions of MAC 1140 and MAC 1114.

MAC 2233 Business Calculus 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 1105, or C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 590 or better SAT Math score, or 26 or better ACT Math score, or 78 or better College-Level Math CPT score. No credit for mathematics majors or students with credit for either MAC 2241, MAC 2281, or MAC 2311. Linear equations and functions, mathematics of finance, differentiation and integration of algebraic, exponential and logarithmic functions with applications to business, finance and economics.

MAC 2241 Life Sciences Calculus I 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 1114, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. No credit for math majors or students with credit in MAC 2233, MAC 2281, or MAC 2311. Differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with applications to life sciences.

MAC 2242 Life Sciences Calculus II 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 2241. No credit for Mathematics majors or students with credit in MAC 2282 or MAC 2312. Techniques of integration, differential equations, functions of several variables, series and Taylor polynomials.

MAC 2281 Engineering Calculus I 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 1114 and C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. No credit for mathematics majors or for students with credit in MAC 2233, MAC 2241, or MAC 2311. Differentiation, limits, differentials, extremes, indefinite integral. No credit for mathematics majors or for students with credit in MAC 2233 or MAC 2243 or MAC 2311.

MAC 2282 Engineering Calculus II 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 2281. No credit for students with credit in MAC 2242 or MAC 2312. Definite integral, trigonometric functions, log, exponential, series, applications.

MAC 2283 Engineering Calculus III 6A (4) AS MTH

PR: C (2.0) or better in MAC 2282 or CC. No credit for students with credit in MAC 2313. Techniques of integration, numerical methods, analytic geometry, polar coordinates, Vector algebra, applications.

MAC 2311 Calculus I 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 1114 and C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. No credit for students with credit in MAC 2233, MAC 2241, or MAC 2281. Differentiation, limits, differentials, extremes, indefinite integral. No credit for students with credit in MAC 2233 or MAC 2243 or MAC 2311.

MAC 2312 Calculus II 6A QM (4) AS MTH

PR: C (2.0) or better in MAC 2311 or CC. No credit for students with credit in MAC 2242 or MAC 2282. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions.

MAC 2313 Calculus III 6A (4) AS MTH

PR: C (2.0) or better in MAC 2312 or CC. No credit for students with credit in MAC 2283. Integration, polar coordinates, conic sections, vectors, indeterminate forms and proper integrals.

MAD 3100 Discrete Mathematics 6A (3) AS MTH

PR: MAC 2281 or MAC 2311. No credit for Mathematics majors. An introduction to some of the aspects of discrete mathematics that are fundamental to digital computing. Topics include sets, numbers, algorithms, Boolean algebra, computer arithmetic, elementary combinatorics and an introduction to graph theory.

MAD 4401 Numerical Analysis 6A (3) AS MTH

PR: MAP 2302 and MAS 3105. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4504 Theory of Computation 6A (3) AS MTH

PR: MGF 3301 or MAD 3100. Mathematical aspects of alphabets and languages. Chomsky's hierarchy. Grammars. Regular languages, grammars and finite states machines. Context-free languages and grammars. Turing machines and languages. Decidability. Inductive definition of functions and basic computable functions. Introduction to computational complexity.

MAD 5101 LISP: Programming With Algebraic Applications (3) AS MTH

PR: MHF 5306 or MAD 6510 or MAS 5311 or CI. Programming in LISP, functional languages, foundations of Lambda Calculus and algebraic applications (theorem proving and game playing).

MAD 5305 Graph Theory (3) AS MTH

PR: MAS 3105 or CI. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya's Theorem, networks.

MAE 4310 Teaching Elementary School (K – 6) Mathematics I (3) ED EDE

PR: Admission to College of Education and two college level mathematics courses. Methods for teaching number ideas, computation skills, and mathematical reasoning in elementary (K – 6) classrooms.

MAE 4320 Teaching Mathematics in the Middle Grades (3) ED EDO

PR: Admission to Mathematics Education program or DPR. Techniques and materials of instruction in middle grades mathematics topics. Students are expected to observe 15 hours in middle schools.

MAE 4326 Teaching Elementary School (K – 6) Mathematics II (3) ED EDE

PR: MAE 4310. Methods for teaching informal geometry, measurement, probability, statistics, and algebraic thinking for elementary school (K – 6) classrooms.

MAE 4330 Teaching Senior High School Mathematics (3) ED EDO

PR: Admission to Mathematics Education program or DPR. Techniques and materials of instruction in mathematics. Students are expected to observe 20 hours in high schools.

MAE 4551 Reading the Language of Mathematics (3) ED EDO

PR: Admission to Mathematics Education program or DPR. The course provides the prospective secondary math teacher the opportunity to develop concepts, skills and instructional procedures for effectively integrating communication (reading, writing, listening, speaking) into the math curriculum. Required under Math Ed. program.

MAE 4652 Technology for Teaching Secondary School Mathematics I (3) ED EDO

PR: Admission to Mathematics Education Program or DPR. This course prepares secondary mathematics education majors to write computer programs in both QBASIC and Logo 4.0 that are appropriate for secondary school mathematics classrooms. A variety of uses of computers in mathematics instruction will also be covered.

MAE 4653 Technology for Teaching Secondary School Mathematics II (3) ED EDO

PR: Admission to Mathematics Education program or DPR. This course prepares secondary mathematics education majors to be proficient with hand-held technologies such as; graphing calculators, symbolic manipulators, calculator based laboratory systems and hand held geometric drawing tools.

MAE 4909 Directed Study: Mathematics Education (1-3) ED EDO

PR: Senior Standing and CI. To extend competency in teaching field.

MAE 4936 Senior Seminar in Mathematics Education (2) ED EDO

PR: Senior Standing; CR: MAE 4940. Synthesis of teacher candidate's courses in complete college program.

MAE 4940 Internship: Mathematics Education (1-12) ED EDO

CR: MAE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

MAE 5875 Abstract Algebra for Teachers (3) AS MTH

PR: MAS 3105 and MAS 4301 and Bachelor's degree or CI. No credit for Mathematics majors. Groups, fields, vector spaces as they relate to high school algebra and geometry.

MAN 3025 Principles of Management (3) BA MAN

PR: Junior standing. Examines intrapersonal, interpersonal, group/team, organizational, and environmental (both stakeholder and societal) factors influencing the management task.

MAN 3240 Organizational Behavior Analysis (3) BA MAN

PR: MAN 3025. The course covers research literature relevant to organizational functioning including behavioral effects of power and authority, formal organization, structural variation, leadership, motivation, and communication.

MAN 3301 Human Resource Management (3) BA MAN

To develop a broad exposure to new approaches, techniques, and future trends in the management of personnel. A study of the major functions in personnel including job analysis, manpower planning, selection, performance evaluation, training, and wage and salary administration.

MAN 3401 Industrial Relations (3) BA MAN

Conceptualization of the administrative problems arising from unionization. Emphasis on the relationship between management and employee representatives in private and public employment.

MAN 4120 Managerial Behavioral Laboratory (3) BA MAN

PR: MAN 3240 or equivalent. Development of direct understanding of personal, interpersonal, and intergroup factors present in organizational interaction. Stress is on a series of experiential exercises and written application of results within a laboratory setting.

MAN 4129 Theory and Practice of Management Skills (3) BA MAN

This course involves the transference of management theories into practice. It requires the active involvement of students in developing and practicing the skills needed to be a successful manager.

MAN 4280 Organizational Development and Change (3) BA MAN

PR: MAN 3240 or CI. A lab course where students experimentally apply behavioral science techniques in an "action-research" framework to the cycle of planned change so as to build a more effective organization.

MAN 4282 Organizational Assessment (3) BA MAN

PR: MAN 3240. The analysis and measurement of factors which influence organizational effectiveness and the quality of work life. Data based cases will be used by students to assess managerial and supervisory skills and to measure organizational functioning and work design.

MAN 4402 Employment Laws (3) BA MAN

Federal and state regulation of the employment relationship, including wage and hour laws; EEO; affirmative action programs; employee benefits; insurance; workers' compensation, safety, health, employee's personal rights; collective bargaining legislation.

MAN 4430 Seminar in Negotiations and Administration of Labor Agreements (3) BA MAN

Case studies in contract negotiation, administration, grievance settlement, and arbitration. Assumes familiarity with industrial relations system.

MAN 4504 Operations Management: A Systems Approach (3) BA QMB

PR: ISM 3431 or equivalent. Studies the problems of "operations" in all types of enterprises in both the public and private sectors. Emphasis is placed on the application of various decision science methodologies to problem situations.

MAN 4507 Operation Production Systems (3) BA QMB

PR: MAN 4504 or CI. Study of closed loop production planning and control systems. Master production planning, inventory management, materials requirements planning, capacity, management, production activity. Relationship to organizational effectiveness.

MAN 4600 International Management (3) BA MAN

PR: MAN 3025, Senior Standing or CI. Examines the effects of international cultural differences on business practices within and outside the United States and provides methods to build synergies and establish/enhance competitive advantage via those differences.

MAN 4702 Disaster Recovery and Business Continuity Planning (3) US EIT

PR: Electives may be taken at any time after completion of the first semester. When organizations are interrupted by disasters, accidents, or natural events, a loss of money, data, and/or productivity occurs. The extent to which the loss affects the organization's health depends on its ability to deal with these disruptions.

MAN 4802 Entrepreneurship and Small Business Management (3) BA MAN

PR: ACG 2021, ACG 2071, MAR 3023, or CI. Study of the factors involved in starting and managing a small-to medium-sized business. Emphasis on conduct of pre-business feasibility study, start-up of business, successful management of the firm, and options for succession or termination.

MAN 4804 Small Business Management Counseling (3) BA MAN

PR: MAN 4802 or CI. Field application in small business settings by (a) analyzing an on-going small business and developing recommendations for making improvements; or (b) conducting a feasibility study for a new enterprise and developing a strategy for implementation if favorable.

MAN 4905 Independent Study (1-3) BA MAN

PR: CI. S/U only. Specialized independent study determined by the students needs and interests.

MAN 4930 Selected Topics in Management (1-3) BA MAN

Topics to be selected by instructor and department chairperson for pertinent Management issues.

MAN 4931 Independent Research (1-4) BA MAN

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAP 2302 Differential Equations 6A (3) AS MTH

PR: MAC 2283 or MAC 2313. First order linear and nonlinear differential equations, higher order linear equations, applications.

MAP 5316 Ordinary Differential Equations I (3) AS MTH

PR: MAP 2302 and MAA 4211, or CI. Existence and uniqueness theory, properties of solutions, linear systems, stability theory. Sturm-Liouville theory.

MAP 5317 Ordinary Differential Equations II (3) AS MTH

PR: MAP 5316 and MAA 5307 or CI. Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixson Theory, Lyapunov functions, eigenfunction expansions.

MAP 5345 Applied Partial Differential Equations (3) AS MTH

PR: MAP 5407 or CI. Separation of variables, the heat equation, wave equation, Laplace's equation, classification, Green's functions with emphasis on applications.

MAP 5407 Methods of Applied Mathematics (3) AS MTH

PR: MAP 2302 or CI. Sturm-Liouville theory, Fourier series, Green's functions, matrix methods for linear systems of ordinary differential equations, and topics from calculus of variations, control theory, numerical solutions of differential equations.

MAR 2931 Selected Topics in Marketing (1-4) BA MKT

Not available for credit to upper-level students who have been admitted to the College of Business. Topics to be selected by department chairman.

MAR 3023 Basic Marketing (3) BA MKT

PR: Junior standing. Survey of the marketing of goods and services within the economy. Attention is paid to the impact of marketing on other functional areas of business as well as society.

MAR 3400 Professional Selling (3) BA MKT

PR: MAR 3023 or CI. A study of the stages of the professional selling process, and the role of sales in today's marketing environment. Emphasis on learning adaptive selling techniques and developing effective interpersonal communications skills. Sales careers are examined.

MAR 3613 Marketing Research (3) BA MKT

PR: QMB 2100, MAR 3023. A study of research methods and techniques applicable to problem solving in marketing. Attention is also given to defining information needs, determining the value of information, interpreting and reporting information for use in marketing decision making.

MAR 3823 Marketing Management (3) BA MKT

PR: MAR 3023. An applications oriented study of the marketing function at an intermediate level. Emphasis upon techniques for analysis and problem-solving. Builds upon the principles and concepts learned in MAR 3023, and provides a strong foundation for the remaining courses in the marketing curriculum.

MAR 4156 International Marketing (3) BA MKT

PR: MAR 3023. A study of procedures and problems associated with establishing marketing operations in foreign countries. Includes the institutions, principles and methods involved in the solution of these business problems as well as the effects of national differences on business practices and buyer behavior.

MAR 4213 Logistics and Physical Distribution Management (3) BA MKT

PR: MAR 3023 or CI. A study of logistics in the marketing of goods and services. Includes a description and analysis of the logistics environment as well as components of the physical distribution system with emphasis on information flows and the application of quantitative techniques used in establishing and controlling customer service levels.

MAR 4231 Retailing Management (3) BA MKT

PR: MAR 3023. A comprehensive study of the retailing structure, institutions, and environment. Includes pertinent management theories and practices in analyzing, organizing, planning and controlling retail operations, both large and small.

MAR 4333 Promotion Management (3) BA MKT

PR: MAR 3023 or CI. A study of the role of promotion in the marketing program of the firm, including the promotional tools available to the marketing manager and the various types of decisions made in the promotional area. Decision making process in development of a promotional program is emphasized.

MAR 4403 Sales Management (3) BA MKT

PR: MAR 3023 or CI. A study of sales management and strategy as a subset of marketing management. Emphasis is placed on developing the problem-solving and decision-making skills required of the sales manager in the modern market-oriented company.

MAR 4453 Business to Business Marketing (3) BA MKT

PR: MAR 3023. A study of the marketing of goods and services to the industrial and institutional sectors. Includes characteristics of the markets and channels of distribution, sales, management, research and promotional practices, marketing policies and strategies.

MAR 4503 Buyer Behavior (3) BA MKT

PR: MAR 3023. A study of the basic concepts of buyer behavior, including pre- and post-purchase attitudes and behavior patterns, information processing relating to the functional areas of marketing and the buyer's decision-making process. Managerial applications to marketing are emphasized.

MAR 4824 Marketing Management Problems (3) BA MKT

PR: Senior Standing, MAR 3823, MAR 3613, MAR 4333. The integration of marketing knowledge applied to decision roles in managing the total marketing effort of firms, and coordination with other major functional areas on specific problems.

MAR 4903 Independent Research (1-3) BA MKT

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAR 4905 Independent Study (1-3) BA MKT

PR: CI. S/U only. Specialized independent study determined by the students' needs and interests.

MAR 4933 Selected Topics In Marketing (1-3) BA MKT

Topics to be selected by instructor and department chairperson.

MAS 1100 Constructive Number Theory and Linear Algebra (2) US DEA

PR: Acceptance in USF-Hillsborough County Mathematics and Science Program. Computational and constructive aspects of number theory. Topics include: properties of integers, Diophantine Equations, congruence, quadratic residues polynomials over the integers, systems of linear equations, matrices and determinants.

MAS 3105 Linear Algebra 6A (4) AS MTH

CP: MGF 3301 and either MAC 2283 or MAC 2313. Linear systems, matrix algebra, vector spaces, linear independence, inner product spaces, Gram-Schmidt algorithm, linear transformations and matrix representations, determinants, eigenvalues, diagonalization, quadratic forms.

MAS 4156 Vector Calculus 6A (4) AS MTH

PR: MAS 3105 and either MAC 2313 or MAC 2283. Implicit function and inverse function theorems, parameterized surfaces, submanifolds on Euclidean space, exterior calculus of differential forms, differentiation of vector fields, line and surface integrals, Stokes' Theorem, elementary continuous groups.

MAS 4214 Elementary Number Theory 6A (3) AS MTH

PR: MAC 2312. No credit towards Mathematics major. Divisibility, prime numbers, Fundamental Theorem of Arithmetic, Diophantine equations, the algebra of congruencies, number functions and other selected topics.

MAS 4301 Elementary Abstract Algebra 6A (3) AS MTH

PR: MAS 3105. An introduction to the basic algebraic structures; groups, rings, integral domains, and fields; homeomorphisms and isomorphisms.

MAS 5107 Advanced Linear Algebra (3) AS MTH

PR: MAS 3105 and MAS 4301 CP: MAS 5311. Finite-dimensional vector spaces over arbitrary fields, dual spaces, canonical forms for linear transformations, inner product spaces, orthogonal, unitary, and self-adjoint operators and quadratic forms.

MAS 5215 Number Theory (3) AS MTH

PR: MAS 3105 and MAS 4301, or CI. Fundamental theorem of arithmetic, modular arithmetic, Chinese remainder theorem, Mersenne primes, perfect numbers, Euler-Fermat theorem, pseudo primes, primitive roots, law of quadratic reciprocity, factorization and primality testing algorithms.

MAS 5311 Algebra I (3) AS MTH

PR: MAS 3105 and MAS 4301 or CI. Group theory: Sylow theorems; classification of groups of small order. Ring theory: ideals, quotient rings, polynomial rings, Euclidean domains, principal ideal domains and unique factorization.

MAS 5312 Algebra II (3) AS MTH

PR: MAS 5311 or CI. Continuation of MAS 5311. Finitely generated modules over a principal ideal domain, basic field theory, finite fields, Galois theory.

MAT 2930 Selected Topics in Mathematics 6A (1-4) AS MTH

PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 2936 Technology Seminar 6A (1) AS MTH

S/U only. A two hour/week technology seminar to acquaint students majoring in mathematics, physics, and other sciences with the computer tools necessary in scientific communication and document preparation.

MAT 4906 Independent Study 6A (1-4) AS MTH

PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

MAT 4930 Selected Topics in Mathematics 6A (1-4) AS MTH

PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 4937 Mathematics Majors Seminar 6A (1) AS MTH

PR: MAS 4301.

MAT 4970 Mathematics Senior Thesis 6A (3) AS MTH

PR: Admission to Mathematics Honors Program and CC. S/U only. Course restricted to mathematics majors.

MAT 5932 Selected Topics (1-4) AS MTH

PR: CI. Each course covers a single topic outside the usual curriculum.

MCB 2000 Microbiology for Nursing and other Healthcare Professionals (3) NU NUR

Basics of microbiology for health professionals. Focus on disease states and the role of bacteria, viruses, fungi, rickettsiae and other pathogenic organisms.

MCB 2000L Microbiology Lab for Nursing and other Healthcare Professionals (1) NU NUR

PR: MCB 2000. Basics of microbiology for health professionals. Focus on disease states and the role of bacteria, viruses, fungi, rickettsiae and other pathogenic organisms.

MCB 3020C General Microbiology (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. Structure and function of bacteria, archaea, viruses, and eukaryotic microbes. Laboratory includes media preparation and culturing, staining and enumeration techniques. Lecture and Laboratory. PCB 3063 is recommended.

MCB 4115C Determinative Bacteriology (5) AS BIO

PR: MCB 3020C, CHM 2210, MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Survey of bacterial classification; detailed examinations of bacteria important to man in agriculture, in industry and as pathogens. Lec-lab.

MCB 4404 Microbial Physiology and Genetics (4) AS BIO

PR: MCB 3020C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and PHY 2053. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Physiological, metabolic, and genetic phenomena pertinent to understanding the growth, development, ecology, regulation, and reproduction of microorganisms. Emphasizes the interdependence of physiological and genetic approaches. Lecture only.

MCB 4404L Microbial Physiology and Genetics Laboratory (1) AS BIO

CR: MCB 4404. Laboratory portion of Microbial Physiology and Genetics relating to biochemical characteristics and metabolic capabilities of bacteria. Laboratory only.

MCB 4503 Virology (3) AS BIO

PR: MCB 3020C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. The biology of viruses associated with plants, animals, and bacteria will be considered; the nature of viruses, mechanisms of viral pathogenesis, and interactions with host cells.

MCB 4910 Microbiology Undergraduate Research (1-4) AS BIO

PR: CC. For B.S. Microbiology majors only. S/U only. Individual investigation with faculty supervision.

MCB 4934 Seminar in Microbiology (1) AS BIO

PR: Senior or advanced junior standing. S/U only. Biology majors may take for elective credit.

MCB 5206 Public Health and Pathogenic Microbiology (3) AS BIO

PR: MCB 3020C, CI. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCB 5655 Applied and Environmental Biology (3) AS BIO

PR: MCB 3020C. A Study of the applications of microbiology to the food/beverage industry, agriculture, public health and bioremediation. This course is a microbiology elective and has a mandatory field trip.

MCB 5815 Medical Mycology (3) AS BIO

PR: MCB 3020C or CI. A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists.

MET 4002 Climatology (4) AS GPY

PR: GEO 2200 or CI. An introductory survey of climatology. A qualitative study of the dynamics and general circulation of the atmosphere. Surface and upper level atmosphere linkages in the mid latitudes will be examined. Discussion of the regional climatic patterns and anomalies throughout the world.

MET 4010C Meteorology (4) AS GPY

PR: GEO 2200 or CI. The earth's atmosphere and its processes; weather forecasting and analysis; instrumentation.

MGF 1106 Finite Mathematics 6A QM (3) AS MTH

PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. Concepts and analytical skills in areas of logic, linear equations, linear programming, mathematics of finance, permutations and combinations, probability, and descriptive statistics.

MGF 1107 Mathematics for Liberal Arts 6A QM (3) AS MTH

PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. This terminal course is intended to present topics which demonstrate the beauty and utility of mathematics to the general student population. Among the topics which might be included are: Financial Mathematics, Linear and Exponential Growth, Numbers and Number Systems, Elementary Number Theory, Voting Techniques, Graph Theory, and the History of Mathematics.

MGF 1116 Mathematical Experience 6A (3) AS MTH

PR: Two years of high school algebra. Introduction to some important and interesting basic ideas in mathematics with an emphasis on a mathematical way of thinking. Concepts such as definitions, axioms and proofs are explained. Topics from number theory, combinatorics, algebra and geometry are used. Some topics are presented in their historical context and their impact on the development of mathematics is discussed.

MGF 2131 Chaos and Fractals 6A QM (3) AS MTH

PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. Computer experiments in the behavior of functions under iteration: periodicity, attractors, stability, complex numbers, Cantor set, fractional dimension, sensitive dependence.

MGF 3301 Bridge to Abstract Mathematics 6A QM (4) AS MTH

CP: MAC 2313 or MAC 2283. Techniques and logic of the construction of proofs. Topics will be selected from propositional logic, set theory, relations and functions, equivalence relations, Boolean algebra, cardinality, and limits.

MHF 4403 The Early History of Mathematics 6A MW (3) AS MTH

PR: MAC 2312 and upper-level standing. A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.

MHF 4406 The History of Modern Mathematics 6A MW (3) AS MTH

PR: MAC 2313. Traces the development of mathematical ideas in Western culture.

MHF 5306 Mathematical Logic and Foundations I (3) AS MTH

PR: MAS 4301 or CI. Two-course sequence covering: predicate calculus and classical model theory; transfinite set theory and the system ZFC; recursion theory and decidability.

MHF 5402 The Early History of Mathematics (3) AS MTH

PR: MAC 2312 A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.

MHF 5405 History of Modern Mathematics (3) AS MTH

PR: MAC 2313. Traces the development of mathematical ideas in Western culture. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.

MHS 3411 Multidisciplinary Behavioral Healthcare Services (3) FM FMH

PR: CI or Junior Standing minimum. Working in behavioral healthcare requires the application of specific knowledge and skills. This open enrollment course offers a practical multidisciplinary look at service delivery. Students will examine their career and educational goals in context.

MHS 4002 Behavioral Health Systems Delivery (3) FM FMH

PR: MHS 3411 This course is designed to provide students with an understanding of the significant issues and trends in behavioral health delivery systems in America. Four major areas will be emphasized: 1) history and legislation; 2) systems delivery; 3) programs and policies; 4) selected at-risk populations. This course is not repeatable for credit and is open to non-minors in behavioral healthcare.

MHS 4052 Human Relations Skills in Counseling MW (4) ED EDG

Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relations. Lecture sessions and experiential training.

MHS 4408 Exemplary Practices in Behavioral Healthcare Treatment (3) FM FMH

PR: MHS 3411 This course explores exemplary clinical practices in public behavioral health service delivery. Best or exemplary practices are defined as those that have both a track record and their efficacy has been empirically validated. Modules may begin with a historical perspective of the treatment of a specific population or a treatment strategy but will primarily focus on emerging methodologies.

MHS 4425 Field Experience in Behavioral Healthcare (3) FM FMH

PR: MHS 3411, MHS 4002, MHS 4408 This experiential class allows the student to observe and participate with multidisciplinary staff of a provider agency. The student will attend team meetings, observe individual, group, and case management services. Assignments will be made to maximize the student's time investment in the field. Observations and experiences will be discussed in biweekly class meetings.

Students are required to spend 120 hours (an average of 8 hours per week for 15 weeks) in an agency. Advisor approval required two months in advance of semester.

MHS 4741 Research Processes in Behavioral Health (3-5) FM FMH

PR: 1 course in statistics; 1 course in research methods. Application of research processes used in the interdisciplinary field of behavioral health including research design, quantitative and qualitative methods, measurement, report writing, dissemination, and grant writing. Open to all majors.

MHS 4905 Independent Study: Guidance and Counseling Education (1-4) ED EDG

PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

MHS 4906 Directed Study (1-4) FM FMH

Directed study. Student must have a contract with an instructor.

MHS 4912 Independent Research in Behavioral Health (1-4) FM FMH

PR: 1 course in statistics; 1 course in research methods. Students will conduct an independent research project in behavioral health (mental health and/or substance abuse) under the guidance of a faculty mentor. May be repeated for maximum of 8 credits.

MHS 4931 Selected Topics (1-4) FM FMH

The course content will depend on student demand and instructor's interest. The course may be repeated for different topics up to 8 hours.

MHS 5020 Foundations of Mental Health Counseling (3) AS REH

PR: CC. A skill-building course on the utilization of one's self in mental health counseling relationships. Includes study of the origin, history, professional functions and current issues in the discipline of mental health counseling.

MHS 5480 Human Growth and Development (3) AS REH

PR: RCS 5780, MHS 5020, Majors only. Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.

MHS 5905 Directed Studies (1-4) ED EDG

Independent studies on a selected topic.

MLS 4038 Introduction to Medical Technology (2) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math, and computer applications.

MLS 4860 Clinical Urinalysis and Body Fluids (2) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on laboratory methodology and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal, and joint fluids.

MLS 4861 Clinical Immunology (2) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the tissues, cells, and molecules of the human immune system, emphasizing the detection of serum antibodies and disease states.

MLS 4862 Clinical Hematology (6) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on cellular components of the blood as related to laboratory diagnosis and disease, including blood coagulation and morphological and biochemical aspects of blood cells.

MLS 4863 Clinical Microbiology (6) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course emphasizing pathogens responsible for diseases in man, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites, and viruses.

MLS 4864 Clinical Chemistry (6) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the analysis of chemical substances found in the body as related to the diagnosis of human disease, including topics such as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

MLS 4865 Clinical Immunohematology (6) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on blood and tissue typing, including blood group systems, transfusion associated diseases, HLA testing, and preparation of blood and blood components for transfusion therapy.

MLS 4866 Clinical Laboratory Management and Education (1) AS IAS

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on concepts of laboratory management, including personnel staffing, reimbursements, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

MMC 2100 Writing for the Mass Media (3) AS COM

PR: Sophomore standing; 2.75 overall grade point average; grade of "C" in ENC 1101, ENC 1102, and passing score on English Diagnostic Test. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and informational writing.

MMC 3140 Web Publishing (3) AS COM

PR: JOU 2100, MMC 2100, MMC 3602, VIC 3001. Course is intended for those with little previous Web design/publishing experience. Course will introduce students to the basic topics, nomenclature, pragmatics, and mechanics involved in Web publishing. Restricted to majors; not repeatable for credit.

MMC 3602 Mass Communications and Society SS HP (3) AS COM

PR: Sophomore standing. A survey of the history, theory, processes, and philosophy of mass communications and the mass media in the United States, and their relationship to the other major institutions of American society.

MMC 4106 Science Writing (3) AS COM

PR: CI. Will focus on techniques (angles, analogies, story structures, dialogue, narrative/plot) to translate complex scientific information into simplified but accurate stories for a non-scientific audience. NOT restricted to majors; not repeatable for credit.

MMC 4120 Media Convergence (3) AS COM

PR: JOU 2100, MMC 2100, MMC 3602. Students will learn to write for various media and develop news judgment across platforms. A project will include writing, digital photography and capturing audio for a Web news report. Restricted to majors; not repeatable for credit.

MMC 4123 Media Script Writing (3) AS COM

PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for electronic media. Emphasis is on documentary presentation.

MMC 4131 Video Storytelling (3) AS COM

PR: MMC 2100, MMC 3602, VIC 3001. Students will be introduced to concepts and technologies needed to begin working with video as a medium of communication. Basic principles of video editing are taught with short and long form projects. Restricted to majors; not repeatable for credit.

MMC 4200 History and Principles of Communications Law (3) AS COM

PR: MMC 2100 and MMC 3602. Historical and constitutional backgrounds of freedom and control of expression, statutory enactments, major court decisions and administrative rulings which affect print media, telecommunications, advertising, public relations, and new media.

MMC 4203 Communication Ethics (3) AS COM

PR: MMC 2100 and MMC 3602 or CI. A study of the fundamental principles and philosophies of ethics and their application to the decision-making process in the various professions of mass communications.

MMC 4420 Research Methods in Mass Communications (3) AS COM

PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of quantitative and historical research methods as applicable to the study of media and mass communications. Emphasis on survey research, evaluation of data, and report writing.

MMC 4503 Literary Journalism (3) AS COM

PR: JOU 2100 and MMC 2100 or CI. Students will read, discuss, and analyze major works of literary journalism, demonstrating their ability to think critically about the works covered by submitting written commentaries about them.

MMC 4900 Directed Reading in Mass Communications (1-3) AS COM

PR: Junior standing and CI. Reading and directed study in special topics.

MMC 4910 Individual Research in Mass Communications (1-3) AS COM

PR: Junior standing and CI. The course provides means for a student to do independent study in an area not covered by a numbered course.

MMC 4936 Selected Topics in Mass Communications Studies (1-3) AS COM

PR: MMC 2100, MMC 3602 and CI. Courses designed to meet current or specific topics of interest to instructors and students.

MMC 4945 Media Internship-Seminar (3) AS COM

PR: CI and 15 hours in Mass Comm. courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School. S/U only. Reports on experiences for discussion and evaluation.

MSL 1001C Leadership and Personal Development (2) US MIS

Introduces to personal challenges & competencies critical to effective leadership; teaches personal development life skills relative to leadership, officership, & Army profession; focuses on gaining understanding of ROTC Program & its purpose in Army.

MSL 1002C Introduction to Tactical Leadership (2) US MIS

Presents leadership basics (eg: setting direction, problem-solving, listening, briefs, giving feedback & use of effective writing skills); explores dimensions of leadership values, attributes, skills & actions in context of practical hands-on exercises.

MSL 2101C Innovative Team Leadership (2) US MIS

Explores creative & innovative tactical leadership strategies & styles. Develops knowledge of leadership values & attributes by understanding Army rank, structure, & duties. Broadens knowledge of land navigation & squad tactics.

MSL 2102C Foundations of Tactical Leadership (2) US MIS

Examines challenges of leading tactical teams in complex current operating environment; highlights dimensions of terrain analysis, patrolling & operation orders; develops greater self-awareness, communication & team building skills.

MSL 2900 Army Physical Readiness (1) US MIS

This course will train students in the unique role of Army physical readiness in sustaining military operations. It will also prepare students to plan, prepare, and conduct military fitness training. Repeatable for 8 semesters, but only 4 credit hours will be counted toward the program.

MSL 2901 Basic Leader Training (4) US MIS

PR: CI. A 35 day internship at Fort Knox, Kentucky that incorporates a wide range of military subjects designed to develop/evaluate leadership and officer potential. The course is intentionally stressful and designed to build individual confidence through the accomplishment of tough and demanding training. Students completing the course may qualify for entry into the ROTC Advanced Course.

MSL 3201C Adaptive Team Leadership (3) US MIS

Challenges to study, practice, & evaluate adaptive team leadership skills as demands of the ROTC LDAC are presented. Uses challenging scenarios to develop self-awareness & critical thinking skills. Provides specific feedback on leadership abilities.

MSL 3202C Leadership in Changing Environments (3) US MIS

Challenges to study, practice, & evaluate adaptive leadership skills as demands of ROTC Leader Development Assessment Course are presented. Develops self-awareness & critical thinking skills with challenging scenarios. Provides feedback on leader skills.

MSL 4301C Developing Adaptive Leaders (3) US MIS

Develops ability to plan, & assess complex operations, functioning as member of a staff; provides performance feedback to subordinates; gives opportunities to assess risk, make ethical decisions, & lead fellow cadets; prepares in becoming Army officer.

MSL 4302C Leadership in a Complex World (3) US MIS

Explores dynamics of leadership in complex situations of current military operations in current operating environment; examines differences in courtesies, military law, principles of war & rules of engagement in face of international terror & more.

MSL 4930 Advanced Directed Study and Research (1-3) US MIS

PR: CI and permission of Professor of Military Science. Intensive individual study in a particular aspect of military science that is not covered in regular course offerings. Request for enrollment must be made prior to registration in the form of a written proposal.

MTG 3212 Geometry 6A (3) AS MTH

PR: MAC 2311. No credit towards Mathematics major. Emphasis on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometry.

MTG 4214 Modern Geometry 6A (3) AS MTH

CP MAS 4301 or CI. Topics will be selected from modern plane geometry. Mobius geometry, elliptic and hyperbolic geometry.

MTG 4302 Introduction to Topology 6A (3) AS MTH

PR: MAC 2313 and MAS 3105. Metric spaces, completeness, topological spaces, subspaces, product spaces, continuity, homeomorphisms, connectedness, compactness, separation axioms, countability axioms.

MTG 5256 Differential Geometry (3) AS MTH

PR: MAA 4211, MAS 3105. Exterior calculus, differentiable manifolds, integration of differential forms, surfaces in 3-space, covariant derivative, curvature, matrix groups.

MTG 5316 Topology I (3) AS MTH

PR: MAA 4211. Topological spaces, continuity, homeomorphisms, connectedness, compact spaces, separation axioms, product spaces.

MTG 5317 Topology II (3) AS MTH

PR: MTG 5316. The fundamental group; elements of homotopy theory and homology theory.

MUC 2221 Composition (3) VP MUS

PR: MUT 1112 and DPR. Private instruction in original composition. Required of composition majors.

MUC 2301 Introduction To Electronic Music FA (3) VP MUS

History and repertory of electronic music; standard sound studio techniques; basic electronics as applied in electronic sound synthesis; mathematics for music, composition and electronic music.

MUC 3231 Composition (3) VP MUS

PR: Necessary competency at junior level determined by faculty jury. DPR. Private instruction in original composition. Required of composition majors.

MUC 3401 Electronic Music-Analog Synthesis I (3) VP MUS

PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3402 Electronic Music-Analog Synthesis II (3) VP MUS

PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3441 Electronic Music-Digital Synthesis I (3) VP MUS

PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3442 Electronic Music-Digital Synthesis II (3) VP MUS

PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 4241 Composition (3) VP MUS

PR: Necessary competency at senior level determined by faculty jury. DPR. Private instruction in original composition. Required of composition majors, a minimum of six semester hours.

MUC 4403 Electronic Music-Real-Time Performance I (3) VP MUS

PR: MUC 3402 and MUC 3442 or equivalent. DPR. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4404 Electronic Music-Real-Time Performance II (3) VP MUS

PR: MUC 3402 and MUC 3442 or equivalent. DPR. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4620 Jazz Composition (3) VP MUS

PR: MUT 3354 and/or DPR. Private instruction in original jazz composition. Required of All Jazz Studies Comp. majors, minimum six of hours.

MUC 5625 Jazz Composition (2) VP MUS

PR: CI. Required of all composition majors. Private instruction in original composition.

MUE 2090 Theoretical Bases Of Music Education (3) VP MUS

PR: DPR. The course is designed to investigate music education practices in the schools. Through the experience and information offered in this course a student will be able to determine his/her commitment to professional music education.

MUE 3421 Choral Techniques and Pedagogy (1) VP MUS

A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3422 Wind Techniques and Pedagogy (2) VP MUS

PR: MUG 3104 A two-semester sequence intended to equip music education students with basic performance, pedagogical, and rehearsal techniques, applicable to brass and woodwind instruments and ensembles.

MUE 3423 String Techniques and Pedagogy (1) VP MUS

PR: DPR. A study of orchestra materials, in a laboratory setting, appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3930 Music Education Forum (1) VP MUS

PR: Status as a music education major; permission of the Music Advisor. Discuss MusEd professional organizations (MENC, CMENC, ISME, etc.). Students join CMENC and attend the FMEA conference. Add'l topics: classroom management, school safety, professional ethics, education law, and MusEd for special students. Required for MusEd majors 4 semesters @ 1 credit hour per term.

MUE 4210 Music For The Child (3) VP MUS

PR: Admission to the College of Education. DPR. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

MUE 4311 K-12 General Music Methods and Practicum (4) VP MUS

PR: MUE 2090 This course will consist of theoretical and practical training in teaching General Music Education K-12. It will include the study of philosophies, strategies and methodologies in contemporary General Music Education used in the USA and internationally.

MUE 4331 Choral Methods In The Secondary School (3) VP MUS

PR: DPR. Junior standing. Development and implementation of methods techniques for teaching secondary school choral music.

MUE 4332 Instrumental Music In The Secondary School (3) VP MUS

PR: DPR. MUE 2450, MUE 2460, MVP 1211. Junior standing. Development and implementation of methods techniques for teaching secondary school instrumental music.

MUE 4480 Special Ensemble Methods (2) VP MUS

This course is restricted to majors and is repeatable for up to 6 credits.

MUE 4936 Senior Seminar In Music (2) VP MUS

CR: MUE 4940. DPR. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

MUE 4940 Internship: Music Education (6-10) VP MUS

CR: MUE 4936. S/U only. DPR. One full semester of internship in public or private elementary and secondary schools.

Restricted to majors.

May not be repeated for credit.

MUG 3104 Basic Conducting (2) VP MUS

PR: DPR. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical scores.

MUG 4302 Instrumental Conducting (2) VP MUS

PR: MUG 3404 and DPR. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

MUH 2020 The History of Blues and Rock FA (3) VP MUS

A study of the history of rock music: its roots, regions and countries of origin, evolution, styles, influences, social/cultural context, etc. Blues and rock are particularly American forms of music, but they reflect ancient practice as well.

MUH 2051 Folk And Traditional Music Of World Cultures FA AF (3) VP MUS

A comparative survey of the stylistic traits and functions of the folk and traditional music, both sacred and secular, of diverse Western and non-Western cultures. For non-majors; may be taken by majors as an elective with departmental approval.

MUH 2632 Music In The United States FA (3) VP MUS

Designed for majors and non-majors, this course will use live performances, videotapes, and recordings to illustrate music as practiced in America from Colonial to present times. Included in the course will be study of the contributions of various ethnic/minority groups, and discussions of the relevant social issues connected with these contributions.

MUH 3016 Survey Of Jazz FA (3) VP MUS

For non-music majors. Not repeatable. A study of the evolution of America's "classical" music: Jazz. In addition to presenting an overview of the most prominent artists and literature, the course will focus on the cultural dynamics involved in the development of jazz from 1890 to the present.

MUH 3300 Music History/Medieval And Renaissance (2) VP MUS

PR: DPR. Required of music majors; a study of the historical development of musical styles of the Medieval and Renaissance periods and of the music of those periods.

MUH 3301 Music History/Baroque And Classic MW (3) VP MUS

PR: MUL 2111, DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods.

MUH 3302 Music History/Romantic And 20th Century MW (3) VP MUS

PR: MUL 2111, DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods.

MUH 4058 Intercultural Music In The Twentieth Century MW (3) VP MUS

PR: MUH 2051 or MUL 2111, DPR. An in-depth investigation of composers born after c. 1880, from all parts of the world, who have attempted to integrate elements from two or more cultures into their compositions.

MUH 4801 History Of Jazz (3) VP MUS

PR: MUT 1112, DPR. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

MUL 2111 Introduction To Music Literature 6A HP FA (3) VP MUS

PR: MUT 1112, DPR. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required for music majors.

MUL 3001 Issues In Music FA AF (2-3) VP MUS

Open only to non-music majors. Lectures and live performances by artist faculty of significant works from the literature for the piano; analysis and illustration in performance of the abstract and aesthetic elements in music which vitally concern the artist-performer.

MUL 3012 Music in Your Life FA (3) VP MUS

Open only to non-music majors. A study in the art of music and its materials, designed to develop an understanding of basic principles of music and a technique for listening to music.

MUN 1100 University Pep Band (1-3) VP MUS

This course provides performance experiences with the Pep Band. The course is open to any major area. Fall Term participation in Maching Band is required prior to enrollment.

MUN 1110 University Marching Band (1-3) VP MUS

This course provides performance experiences with the Marching Band. The course is open to any major area.

MUN 3143 Wind Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3213 University Orchestra (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3313 University Singers (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3343 Chamber Singers (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3383 University-Community Chorus (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3411 String Quartet (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3420 Saxophone Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3421 Flute Choir (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3424 Woodwind Quintet (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3431 Brass Quintet (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3432 Horn Quartet (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3433 Brass Choir (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3443 Percussion Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3444 Marimba Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3453 Piano Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3474 Collegium Musicum (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3713 Jazz Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3714 Jazz Chamber Ensemble (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUO 3503 Opera Workshop (1) VP MUS

PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUS 2010 Recital Attendance (0) VP MUS

S/U only. This course is required whenever a student registers for applied music. The requirement for the successful completion of the course is attendance at ten (10) department-approved recitals/concerts throughout the semester.

MUS 2201 Language Diction For Singers (1) VP MUS

PR: DPR. Required of voice performance majors. Specialized study in Language Diction for Singers. Specific language varies, to be arranged at each course offering.

MUS 4900 Directed Reading (1-3) VP MUS

PR: DPR. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration.

MUS 4905 Directed Study (1-4) VP MUS

PR: DPR. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration.

MUS 4930 Selected Topics In Music (1-4) VP MUS

PR: DPR. The content of the course will be governed by student demand and instructor interest.

MUS 4931 Selected Studio Topics In Music (1-4) VP MUS

PR: DPR. The content of the course will be governed by student demand and instructor interest.

MUS 4935 Music Senior Seminar (1) VP MUS

PR: DPR. S/U only. To aid majors to understand, appraise and perfect their own art through critical and aesthetic judgments of their colleagues.

MUS 5905 Directed Study (1-4) VP MUS

PR: DPR. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration.

MUT 1001 Rudiments Of Music (2) VP MUS

Open to non-music majors; development of skills in hearing and performing music and in basic notation. Will not count as degree credit for music majors.

MUT 1111 Music Theory I (3) VP MUS

PR: DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

MUT 1112 Music Theory II (3) VP MUS

PR: MUT 1111, DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

MUT 1241 Aural Theory I (1) VP MUS

PR: DPR. To be taken concurrently with MUT 1111, MUT 1112. Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 1242 Aural Theory II (1) VP MUS

PR: MUT 1241, DPR. Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2116 Music Theory III (3) VP MUS

PR: MUT 1112, DPR. Required of music majors, continuation of MUT 1111 and 1112.

MUT 2117 Music Theory IV (3) VP MUS

PR: MUT 2116, DPR. Required of music majors, continuation of MUT 1111, 1112, and 2116.

MUT 2246 Aural Theory III (1) VP MUS

PR: MUT 1242. To be taken concurrently with MUT 2116, MUT 2117, DPR. Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2247 Aural Theory IV (1) VP MUS

PR: MUT 2246. To be taken concurrently with MUT 2116, MUT 2117, DPR. Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2641 Jazz Theory And Improvisation I (2) VP MUS

PR: MUT 1112 and/or DPR. A study of jazz improvisational techniques and related jazz theory.

MUT 2642 Jazz Theory And Improvisation II (2) VP MUS

PR: MUT 2641 or DPR. A study of jazz improvisational techniques and related jazz theory.

MUT 3353 Jazz Composition and Arranging I (3) VP MUS

PR: MUT 1112 and DPR. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic, and melodic practices.

MUT 3354 Jazz Composition And Arranging II (3) VP MUS

PR: MUT 3353 and DPR. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic and melodic practices.

MUT 3663 Advanced Jazz Improvisation I (2) VP MUS

PR: MUT 2642 or DPR. A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students' soloing ability. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 3664 Advanced Jazz Improvisation II (2) VP MUS

PR: MUT 3663, DPR. A continuation of Jazz Styles and Analysis I with the emphasis on contemporary jazz artists. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 4310 Orchestration I (2) VP MUS

PR: DPR. Intensive study and practice in scoring music for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

MUT 4311 Orchestration II (2) VP MUS

PR: MUT 4310, DPR. Intensive study and practice in scoring music for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

MUT 4421 Eighteenth Century Practice (3) VP MUS

PR: MUT 2117, DPR. An intensive study of the contrapuntal practice of the 18th century; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

MUT 4571 Twentieth Century Practice (3) VP MUS

PR: MUT 2117, DPR. A study of 20th century theoretical concepts; development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

MUT 5051 Graduate Review Of Music Theory (2) VP MUS

PR: DPR. A graduate level review of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.

MVB 1211 Applied Trumpet (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1212 Applied French Horn (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1213 Applied Trombone (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1214 Applied Euphonium (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1215 Applied Tuba (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1311 Trumpet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1312 French Horn Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1313 Trombone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1314 Euphonium Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1315 Tuba Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1411 Trumpet Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1412 French Horn Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1413 Trombone Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1414 Euphonium Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1415 Tuba Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2321 Trumpet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2322 French Horn Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2323 Trombone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2324 Euphonium Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2325 Tuba Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2421 Trumpet Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2422 French Horn Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2423 Trombone Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2424 Euphonium Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2425 Tuba Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3331 Trumpet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3332 French Horn Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3333 Trombone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3334 Euphonium Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3335 Tuba Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3431 Trumpet Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3432 French Horn Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3433 Trombone Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3434 Euphonium Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3435 Tuba Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 4341 Trumpet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 4342 French Horn Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 4343 Trombone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 4344 Euphonium Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 4345 Tuba Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 4441 Trumpet Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 4442 French Horn Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 4443 Trombone Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 4444 Euphonium Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 4445 Tuba Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 5251 Applied Trumpet (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVB 5252 Applied French Horn (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVB 5253 Applied Trombone (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVB 5254 Applied Euphonium (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVB 5255 Applied Tuba (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVJ 1210 Applied Jazz Piano (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVJ 1213 Applied Jazz Guitar (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVJ 1214 Applied Jazz Bass (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVJ 1219 Jazz Percussion (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVJ 1310 Applied Jazz Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1313 Jazz Guitar Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1314 Jazz Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1319 Applied Jazz Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1410 Applied Jazz Piano Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1413 Jazz Guitar Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1414 Jazz Bass Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2320 Applied Jazz Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2323 Jazz Guitar Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2324 Jazz Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2329 Applied Jazz Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2420 Applied Jazz Piano Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2423 Jazz Guitar Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2424 Jazz Bass Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3330 Applied Jazz Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3333 Jazz Guitar Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3334 Jazz Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3339 Applied Jazz Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3430 Applied Jazz Piano Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3433 Jazz Guitar Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3434 Jazz Bass Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3439 Applied Jazz Percussion (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4340 Jazz Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4343 Jazz Guitar Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4344 Jazz Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4349 Jazz Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4440 Jazz Piano Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4443 Jazz Guitar Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4444 Jazz Bass Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4449 Jazz Percussion Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4950 Applied Jazz Performance (3) VP MUS

PR: MUT 2642 and DPR. Necessary competency at junior level determined by faculty jury examination. Private and class instruction.

MVJ 5250 Applied Jazz Piano Secondary (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5252 Applied Jazz Bass Secondary (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5253 Applied Jazz Guitar Secondary (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5254 Applied Jazz Bass Secondary (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5259 Applied Jazz Percussion Secondary (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5951 Applied Jazz Performance (2) VP MUS

PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVK 1111 Keyboard Skills I (2) VP MUS

PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1121 Keyboard Skills II (2) VP MUS

PR: MVK 1111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1211 Applied Piano (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVK 1311 Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1411 Piano Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1811 Beginning Piano I (2) VP MUS

Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1821 Beginning Piano II (2) VP MUS

PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2111 Keyboard Skills III (2) VP MUS

PR: MVK 1121 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2121 Keyboard Skills IV (2) VP MUS

PR: MVK 2111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2321 Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 2421 Piano Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 3111 Music Majors, Level V (2) VP MUS

PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 3331 Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 3431 Piano Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4341 Piano Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 4441 Piano Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4640 Piano Pedagogy I (4) VP MUS

PR: DPR. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction.

MVK 4641 Piano Pedagogy II (4) VP MUS

PR: MVK 4640, DPR. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction.

MVK 5251 Applied Piano (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVP 1211 Applied Percussion (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVP 1311 Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 1411 Percussion Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 2321 Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 2421 Percussion Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3331 Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 4341 Percussion Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 4441 Percussion Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 5251 Applied Percussion, Secondary (2-4) VP MUS

PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble. Required of all applied music majors. Private and class instruction.

MVS 1211 Applied Violin (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1212 Applied Viola (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1213 Applied Violoncello (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1214 Applied Double Bass (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1311 Violin Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1312 Viola Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1313 Violoncello Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1314 Double Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1411 Violin Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1412 Viola Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1413 Cello Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1414 Double Bass Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2321 Violin Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2322 Viola Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2323 Violoncello Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2324 Double Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2421 Violin Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2422 Viola Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2423 Cello Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2424 Double Bass Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3331 Violin Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3332 Viola Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3333 Violoncello Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3334 Double Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3431 Violin Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3432 Viola Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3433 Cello Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3434 Double Bass Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4341 Violin Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4342 Viola Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4343 Violoncello Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4344 Double Bass Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4441 Violin Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4442 Viola Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4443 Cello Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4444 Double Bass Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 5251 Applied Violin (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 5252 Applied Viola (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 5253 Applied Cello (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 5254 Applied Double Bass (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVV 1211 Applied Voice (1) VP MUS

One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVV 1311 Voice Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVV 1411 Voice Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVV 2321 Voice Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVV 2421 Voice Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVV 3331 Voice Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVV 3431 Voice Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVV 4341 Voice Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVV 4441 Voice Major (3) VP MUS

PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVV 5251 Applied Voice (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 1211 Applied Flute (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1212 Applied Oboe (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1213 Applied Clarinet (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1214 Applied Bassoon (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1215 Applied Saxophone (1) VP MUS

PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1311 Flute Principal (2) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1312 Oboe Principal (2) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1313 Clarinet Principal (2) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1314 Bassoon Principal (2) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1315 Saxophone Principal (2) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1411 Flute Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1412 Oboe Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1413 Clarinet Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1414 Bassoon Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 1415 Saxophone Major (3) VP MUS

PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2321 Flute Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2322 Oboe Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2323 Clarinet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2324 Bassoon Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2325 Saxophone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 2421 Flute Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 2422 Oboe Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 2423 Clarinet Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 2424 Bassoon Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 2425 Saxophone Major (3) VP MUS

PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3331 Flute Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3332 Oboe Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3333 Clarinet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3334 Bassoon Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3335 Saxophone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3431 Flute Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3432 Oboe Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3433 Clarinet Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3434 Bassoon Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3435 Saxophone Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4341 Flute Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4342 Oboe Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4343 Clarinet Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4344 Bassoon Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4345 Saxophone Principal (2) VP MUS

PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4441 Flute Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4442 Oboe Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4443 Clarinet Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4444 Bassoon Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4445 Saxophone Major (3) VP MUS

PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 5251 Applied Flute (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5252 Applied Oboe (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5253 Applied Clarinet (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5254 Applied Bassoon (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5255 Applied Saxophone (2-4) VP MUS

PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

NGR 5151L Accelerated Fundamentals Clinical (2) NU NUR

Clinical experience in fundamentals of clinical nursing practice. Focuses on developing effective communication skills, critical thinking physical assessment, and concepts of health and illness to meet basic needs of the individual across the life span.

NGR 5580L Accelerated Fundamentals Clinical I (4) NU NUR

Clinical intervention for patients with selected physical and mental health problems. Emphasis is on advancing communication and clinical judgment skills in therapeutic nursing interventions for patients across the life span.

NGR 5680L Accelerated Fundamentals Clinical II (4) NU NUR

Clinical experiences with people across the life-span in hospital and community sites, focus on critical thinking, effective communication, therapeutic interventions, disease prevention, health promotion and synthesis of nursing theory with practice.

NGR 5871 Informatics in Nursing and Healthcare (3) NU NUR

PR: CI. Foundations course with emphasis on essential content and applications in healthcare informatics and clinical systems. Provides understanding of the interdisciplinary issues in medical and nursing informatics and a foundation for those seeking expertise in healthcare informatics. Focus on technologies in

healthcare, nomenclatures and classification systems, health care documentation, electronic medical records, and web-based technologies for healthcare.

NSC 1101L Naval Science Laboratory (0) US NAVY

A weekly two-hour laboratory covering professional and military subject matter. Attendance is mandatory for all midshipmen.

NSC 1110 Introduction to Naval Science (3) US NAVY

Emphasis on the mission, organization, regulations and components of the U.S. Navy and Marine Corps.

NSC 1140 Sea Power and Maritime Affairs (3) US NAVY

This course deals with the importance of seapower in historical events, including emphasis on worldwide political-military confrontations following the cold war.

NSC 2121 Naval Ships Systems I (3) US NAVY

Types, structures & purpose of naval ships. Hydrodynamic forces, stability, compartmentalization, electrical, & auxiliary systems. Theory of design & operation of steam turbine, gas turbine, & nuclear propulsion plants. Shipboard safety & firefighting.

NSC 2212C Navigation/Naval Operations I: Navigation (3) US NAVY

Piloting and celestial navigation theory, principles, and procedures. Tides, currents, weather, use of navigation instruments and equipment, and practicum. Laboratory required.

NSC 2221 Evolution of Warfare (3) US NAVY

A survey of military history emphasizing principles of warfare, strategy and tactics, and significant military leaders and organizations.

NSC 2231 Principles of Naval Management I (3) US NAVY

Theory and principles of management, focusing on the officer-manager as an organizational decision maker. Includes interpersonal skills, behavior factors, and group dynamics.

NSC 2931 Directed Study in Naval ROTC (1-3) US NAVY

PR: Permission of Professor of Naval Science. Intensive individualized study in particular aspects of Naval Science that are not covered in regular course offerings. Enrollment is recommended for NROTC students who are anticipating attending the Naval Science Institute in Newport, RI, during sophomore/junior summer. Course content and title may vary from term to term.

NSC 3123 Naval Ships Systems II (3) US NAVY

PR: NSC 2121. Capabilities and limitations of fire control systems and weapons, radar and underwater sound for target acquisition, threat analysis, tracking, weapons selection, delivery, and guidance. Various aspects of explosives, fusing and Naval ordnance.

NSC 3214C Navigation/Naval Operations II: Seamanship and Ship Operations (3) US NAVY

PR: NSC 2212C. International and inland rules of the road; relative motion-vector analysis; ship handling, employment, and tactics, afloat communications; and operations analysis. Laboratory required.

NSC 4224 Amphibious Warfare (3) US NAVY

History of amphibious warfare emphasizing doctrine and techniques as well as an understanding of the interrelations of political, strategic, operational, tactical, and technical levels of war from the past.

NSC 4232 Principles of Naval Management II (Leadership and Ethics) (3) US NAVY

PR: NSC 2231. Integration of professional competencies and qualities of effective leadership with emphasis on moral and ethical responsibilities, accountability, communications and military law for the junior officer.

NUR 3026 Fundamentals of Nursing Practice and Foundations for Clinical Judgment (4) NU NUR

PR: Admission to the nursing major or CI; CR: NUR 3026L Fundamentals and foundations of nursing practice. Focus is on developing critical thinking and communication skills when applying concepts of health to meet the basic needs of the individual across the life span from within the context of the family.

NUR 3026L Nursing Fundamentals Clinical (4) NU NUR

PR: Admission to the nursing major or CI; CR: NUR 3026. Fundamentals of clinical nursing practice. Focus on developing effective communication & critical thinking in applying nursing process to meet the basic needs of the individual across the life span.

NUR 3066 Physical Examination and Assessment (2) NU NUR

PR: Admission to nursing major or CI. Focuses on the techniques of physical assessment and examination of infants, children and adults. Emphasizes assessment phase of nursing process using critical thinking to enable the student to perform evaluations of health status throughout the lifespan.

NUR 3066L Clinical Experience in Health Assessment - RN (1) NU NUR

PR: Admission to nursing major or CI. CR: NUR 3066. Clinical experience on history taking, physical assessment skills basic to biopsychosocial assessment and physical examination of adults and children. Emphasizes diagnostic reasoning and identification of alteration in functional health patterns.

NUR 3125 Pathophysiology for Nursing Practice (4) NU NUR

PR: Admission to the nursing major or CI. Central concepts of pathophysiology: cells, tissues, organs and systems. Provides essential knowledge base in pathophysiology across the lifespan for professional nursing practice.

NUR 3145 Pharmacology in Nursing Practice (3) NU NUR

PR: Admission to the nursing major or CI. Focus on the basic and clinical concepts of pharmacology in nursing practice. Examines pharmacotherapeutics; pharmacodynamics; pharmacokinetics; adverse reactions and contraindications; therapeutic indications and nursing implications.

NUR 3215 Medical Surgical Nursing I (3) NU NUR

PR: NUR 3026, NUR 3026L, NUR 3066, NUR 3076, NUR 3125, NUR 3215L Focuses on the nursing assessment, prevention, and management of selected health care problems in adults of all ages. Critical thinking is used to analyze the effects of changes in health status and impact of nursing intervention for: patients with alteration in Fluid and Electrolyte Balance, Hematologic System, Cardiovascular System, Pulmonary System, Renal System, Endocrine, Cancer, Multisystem Dysfunction.

NUR 3215L Medical Surgical Nursing Clinical I (4) NU NUR

PR: NUR 3026, NUR 3026L, NUR 3066, NUR 3076, NUR 3125, NUR 3215 Clinical intervention for patients with selected health problems. Emphasize clinical judgment in implementing therapeutic nursing interventions for patients with selected health problems related to specific abnormalities in functional patterns.

NUR 3525 Psychiatric/Mental Health Nursing (3) NU NUR

PR: NUR 3076, NUR 3066, NUR 3125, NUR 3026 and NUR 3026L. CR: NUR 3525L. Explores mind, body, and spirit alterations in functional health patterns experienced by patients with acute and chronic mental illness. Examines psychopathology, psychopharmacologic therapies and community resources and the role of the nurse in psychiatry.

NUR 3525L Psychiatric/Mental Health Nursing Clinical (3) NU NUR

PR: NUR 3076, NUR 3066, NUR 3125, NUR 3026 and NUR 3026L. CR: NUR 3525. Focus on clinical intervention using critical thinking and communication skills with patients who require complex psychiatric rehabilitative care. Opportunities are offered to apply knowledge of psychopathology and psychopharmacologic therapies across the lifespan.

NUR 3805 Education Transitions for Registered Nurses (3) NU NUR

PR: Admission to the nursing major. Transition to professional nursing for the registered nurse, its theoretical perspective and empirical bases and essential skills for success in nursing education. Focus on developing a variety of learning strategies and approaches to academic achievement.

NUR 3826 Ethical Legal Aspects in Nursing and Health Care MW (3) NU NUR

PR: CI. Nursing Majors. Introduction to contemporary bioethical and legal issues confronting health care providers in a variety of settings. Focuses on identification of legal and ethical principles underlying the decision-making process in nursing and health care.

NUR 4028L Accelerated Fundamentals Laboratory (1) NU NUR

Experiences in the fundamental skills of clinical nursing practice. The focus is on applying the nursing process and developing nursing psychomotor skills.

NUR 4097 Introduction to Nursing Humanities MW (3) NU NUR

Overview of the humanities in nursing including an exploration of fictional and biographical literature, visual art, film, and multidisciplinary professional literature focusing on human experience of and response to health, illness, death, and dying.

NUR 4098 Perioperative Nursing (3) NU NUR

PR: Admission to the nursing major or Registered Nurse. Provide nursing students or Registered Nurses with basic knowledge and clinical skills to function in an entry level. Extensive classroom and clinical experience in aseptic technique and considerations for various types of surgical procedures are included.

NUR 4165 Nursing Inquiry (3) NU NUR

PR: Admission to the nursing major or CI. An introductory course in statistics is recommended. An analysis of the research process. Emphasis on identification of researchable nursing problems and evaluations of research that is applicable to nursing practice. Focus on evidence-based practice for nursing.

NUR 4178 Complimentary and Alternative Therapies MW (3) NU NUR

Explore and analyze Complementary and Alternative Therapies and their effectiveness and appropriateness. Discuss Alternative Medical Systems, Mind-Body Interventions, Biologically Based Therapies, Manipulative and Body-Based Methods, and Energy Therapies.

NUR 4194 An Interdisciplinary Perspective in HIV Disease 6A MW LW (3) NU NUR

Provides an interdisciplinary perspective on HIV disease. Topics include the etiology, spectrum, and treatment of HIV disease; international perspectives; issues of race, gender, and ethnicity; values, ethics, and their influences on responses to HIV; and how the media has shaped the epidemic.

NUR 4216 Medical Surgical Nursing II (4) NU NUR

PR: NUR 3215, NUR 3215L, NUR 3145. CR: NUR 4216L. Focus on the nursing assessment, prevention, and management of multiple health care problems. Critical thinking is used to analyze the effects of changes in health status and the impact of nursing intervention for patients with alterations in Visual and Auditory systems, Neurological systems, Musculoskeletal systems, Gastrointestinal systems, and Reproductive systems.

NUR 4216L Medical Surgical Nursing Clinical II (5) NU NUR

PR: NUR 3215, NUR 3215L, NUR 3145. CR: NUR 4216. Clinical intervention for patients with selected health problems. Emphasizes clinical judgment in implementing therapeutic nursing interventions for patients with complex health problems related to alterations in multiple functional health patterns.

NUR 4235L Accelerated Integrated Clinical I (5) NU NUR

Focus on critical thinking, effective communication and nursing interventions for individuals of all ages in the in-patient and community settings.

NUR 4257 Critical Care (2) NU NUR

PR: Nursing Majors or CI. Basic concepts of critical care nursing, focusing on selected health problems to analyze the affects of changes in health status.

NUR 4286 Geriatric Nursing: Population-based Perspectives on Nursing Care of Older Adults 6A LW (3) NU NUR

PR: NUR 3026, NUR 3066, NUR 3145. CR: NUR 4636L. CP: NUR 4636. This course is focused on the development of core competencies necessary to provide holistic, evidence-based and culturally sensitive nursing care to older adults.

NUR 4355 Child and Adolescent Health Nursing (3) NU NUR

PR: NUR 4216, NUR 4216L. CR: NUR 4635L, NUR 4636, NUR 4455. This course will explore the nursing care of children and adolescents within the context of the family. Focus on health promotion, risk factor identification, disease prevention, and health restoration in children and adolescents.

NUR 4455 Women's Health Nursing (2) NU NUR

PR: NUR 4216, NUR 4216L. CR: NUR 4635L, NUR 4636, NUR 4355. Focus on health promotion, identification of risk factors, illness care, and health restoration related to the physiological and psychological changes occurring during a woman's life cycle including pregnancy.

NUR 4635L Integrated Nursing Clinical: Community/Public Health, Children and Adolescent Health, and Women's Health (3-7) NU NUR

PR: NUR 4216, NUR 4216L. CR: NUR 4455, NUR 4636, NUR 4355. Provides clinical learning experiences in diverse community and hospital settings. Focuses on nursing care designed to prevent and/or reduce risk of disease and injury, promote health and wellness, and treat illness and injury in children, adolescents, adults and families, and diverse community populations across the age spectrum.

NUR 4636 Community/Public Health: Population-Focused Nursing MW (3) NU NUR

PR: NUR 4216, NUR 4216L or CI. In-depth examination of community health nursing, public health, epidemiology, culture, and environment essential to preventing illness and injury and promoting and preserving health among diverse populations at risk.

NUR 4636L Community/Public Health Nursing Clinical (3) NU NUR

CR: NUR 4636 (can be taken prior to or with NUR 4636L). Provides clinical experiences in community-based sites in both urban and rural settings, focused on nursing care designed to prevent and/or reduce risk of disease and injury and to promote health and wellness among diverse populations across the lifespan.

NUR 4645 Substance Abuse Across the Lifespan (3) NU NUR

Introduction to concepts of substance abuse and theories of addiction. The applicability of theories and concepts of substance use/abuse to clinical assessment, diagnosis and intervention with client populations across the lifespan is explored.

NUR 4655 Cultural Diversity in Health and Issues MW (3) NU NUR

Explore the impact of culture on health, illness and the meanings these terms carry for members of differing sociocultural populations. Health-related practices, values, strategies for health care and beliefs among cultural groups will be analyzed.

NUR 4677L Accelerated Integrated Clinical II (5) NU NUR

Focus on nursing interventions for the patient with physical and mental health problems. Therapeutic communication and clinical judgment to implement nursing interventions with the patient and family.

NUR 4838 Leadership and Management in Professional Nursing Practice (3) NU NUR

PR: NUR 4455, NUR 4355, NUR 4636, NUR 4636L or CI. Principles of nursing leadership and management with an emphasis on decision-making, priority setting, delegating, and managing nursing care. Focus on preparation of the professional nurse to work collaboratively in the interdisciplinary health care environment. Clinical experience for registered nurse students will be designed to build upon a practice background.

NUR 4905C Independent Study (1-5) NU NUR

PR: Permission of faculty. Open to majors and non-majors. Individual or group investigation of problems relevant to the health of individuals or groups. Project requirements individually planned with faculty preceptor.

NUR 4930 Registered Nurse First Assistant Course (3) NU NUR

PR: CI. This course will provide a foundation of knowledge and technical skills necessary for the experienced perioperative registered nurse to function in the role of registered nurse first assistant (RNFA).

NUR 4935 Selected Topics In Nursing (1-8) NU NUR

PR: Junior or senior standing or permission of faculty. Content will depend upon student demand and faculty interest and may focus on any area relevant to nursing practice. May involve class, seminar, and/or clinical laboratory.

NUR 4940 Internship for the Registered Nurse First Assistant (4) NU NUR

PR: CI. This course provides 120 hours of clinical experiences in the roles and responsibilities and technical skills required of the registered nurse first assistant (RNFA).

NUR 4948L Preceptorship (6) NU NUR

PR: NUR 4216, NUR 4216L, NUR 4355, NUR 4455, NUR 4636, NUR 4635L. Individually contracted 150 hours of clinical practicum collaboratively planned by students, faculty, and agency personnel. Opportunity to synthesize theory and clinical practice for professional nursing.

OCE 2001 Introduction to Oceanography NS (3) MS MSC

Overview of biological, chemical, geological, and physical oceanography.

OCE 4930 Selected Topics in Marine Science (1-4) MS MSC

Selected topics in marine science including marine biology, marine chemistry, marine geology and geophysics, physical oceanography, and interdisciplinary topics relating to marine environments.

ORI 2000 Introduction to Communication As Performance (3) AS SPE

Designed to develop proficiency in the understanding and oral communication of literary and other written materials.

ORI 3950 Communication As Performance Laboratory (1-3) AS SPE

PR: SPC 2600 AND COM 2000 AND ORI 2000, each with a grade of C or above, or CI. The study, rehearsal, and performance of literature for Readers Theatre and Chamber Theatre productions.

ORI 4019 Performing Identity and Culture (3) AS SPE

PR: ORI 2000. Focuses on theory and practice of identity and culture as performed in ritual, community, and aesthetic contexts. Majors only; nonmajors by permit only. May not be repeated for credit.

ORI 4120 Performance of Poetry (3) AS SPE

PR: SPC 2600 AND COM 2000 AND ORI 2000, each with a grade of C or above, or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic techniques.

ORI 4150 Performing Nonfiction (3) AS SPE

PR: ORI 2000. Explores the genre of nonfiction, including diaries, memoirs, travelogues, new journalism, personal essays, and weblogs, through performance. For majors; nonmajors by permit. May not be repeated for credit.

ORI 4220 Performing Young Adult Literature (3) AS SPE

PR: ORI 2000. Performance of literature written for young adults with an emphasis on cultural values and beliefs. For majors; nonmajors by permit only. May not be repeated for credit.

ORI 4310 Group Performance of Literature (3) AS SPE

PR: SPC 2600 AND COM 2000 AND ORI 2000, each with a grade of C or above, or CI. Designed to introduce the student to and give experience in various forms of group approaches to performance.

ORI 4320 Writing for Performance (3) AS SPE

PR: ORI 2000. Explores the intersection of writing and performance as aesthetic and communicative practices. For majors; nonmajors by permit only. May not be repeated for credit.

ORI 4410 Performance Art (3) AS SPE

PR: ORI 2000. Explores history, criticism, and practice of performance art as a genre of performance. Restricted to majors; nonmajors with permit. Not repeatable for credit.

ORI 4460 Performing Relationships (3) AS SPE

PR: ORI 2000. Explores interpersonal, organizational, and intercultural theories of human relationships as realized in literary texts through performance. For majors; nonmajors permit only. May not be repeated for credit.

ORI 4931 Performance and Video (3) AS SPE

PR: ORI 2000. CR: ORI 3950. This course features adaptation, direction, and performance of literature for video productions.

ORI 5930 Topics in Performance Genres (3) AS SPE

Variable topics course.

PAD 3003 Introduction to Public Administration SS (3) AS PAD

Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

PAD 4144 Nonprofit Organizations and Public Policy 6A MW (3) AS PAD

Role and importance of third sector (voluntary) organizations in American society; focus on public policy through service in a voluntary organization.

PAD 4204 Public Financial Administration (3) AS PAD

Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

PAD 4419 Personnel & Supervision in Today's Organizations (3) AS PAD

Introduces students to concepts, principles and practices of personnel management and supervision that influence the attainment of desired performance goals in today's public and not-for profit organizations. Course participants will explore issues that influence the successful management of human resources in dynamic employment settings.

PAD 4712 Managing Information Resources in the Public Sector (3) AS PAD

Introduces students to the fundamental concepts, theories, principles and practices in public information management. Internet access is required.

PAD 4930 Selected Topics in Public Administration and Public Policy (3) AS PAD

Selected issues and topics in Public Administration and Public Policy with course content based on student demand and instructor's interest. May be repeated for up to 6 credits as topics vary.

PAD 5035 Issues in Public Administration and Public Policy (3) AS PAD

Sr. & GS only. Selected issues and topics in Public Administration and Public Policy.

PAD 5044 Environment of Public Administration (3) AS PAD

Examination of the legal, political, and ethical environment in which public managers work.

PAD 5333 Concepts and Issues in Public Planning (3) AS PAD

PR: URP 4050 or URP 6056, GS or Sr. Analysis of basic concepts, issues, and strategies of planning, policy determination, collection of information, and decision-making.

PAD 5605 Administrative Law and Regulation (3) AS PAD

An examination of the constitutional and statutory base and limitations of the administrative process, administrative adjudication, rule-making, and the judicial review of such actions. Attention is also directed to regulatory commissions, their functions, powers, management and relationship with other branches of government.

PAD 5700 Research Methods in Public Administration (3) AS PAD

PR: MPA, GCPM, and GCNM majors only. Research design; skills in public agencies. Must be prepared to demonstrate proficiency in EXCEL, Access, and other relevant software programs.

PAD 5807 Urban and Local Government Administration (3) AS PAD

GS or Sr. Analysis of the role of the administrator at the municipal level, the division of functions, policy formation, alternative governmental structures, effects on the administrative process.

PAD 5836 Comparative Public Administration (3) AS PAD

GS or Sr. How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.

PCB 1511 Molecular and Human Genetics (3) US DEA

PR: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Molecular genetics with applications to biomedical science; genetic engineering; chromosomes, their molecular architecture, abnormalities, and other topics. Laboratory included.

PCB 1910 Topics in Biomedical Science (3) US DEA

PR: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Designed to initiate high school students to the fundamentals of scientific research. Students are given lectures and perform laboratory exercises in pathogenic microbiology, immunology, marine biology, and plant biochemistry. Most of their time is spent working on individual research projects.

PCB 3023 Cell Biology (3) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2210. A survey of the marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats.

Emphasis is placed on shallow water Florida environments. Lecture only.

PCB 3023L Cell Biology Laboratory (1) AS BIO

CP: PCB 3023. Laboratory portion of Cell Biology. Metabolic processes within the cell.

PCB 3043 Principles of Ecology (3) AS BIO

BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course or STA 2023. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lecture only.

PCB 3043L Principles of Ecology Laboratory (1) AS BIO

CP: PCB 3043. Laboratory portion of PCB 3043, Principles of Ecology.

PCB 3063 General Genetics (3) AS BIO

BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2210. Introduction to genetics including the fundamental concepts of Mendelian, molecular and population genetics. Lecture only.

PCB 3063L General Genetics Laboratory (1) AS BIO

CP: PCB 3063. Laboratory investigation techniques in general genetics including Mendelian and non-Mendelian relationships, and gene interactions.

PCB 3712 General Physiology (3) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L and CHM 2045, CHM 2046 and MAC 1105 or higher-level MAC course or STA 2023. Comparative analysis of animal structure and function: organ systems and activities of body tissue and organs. Functional responses of plants to both internal and environmental signals lecture only.

PCB 3713L General Physiology Laboratory (1) AS BIO

PR: PCB 3712. Laboratory portion of General Physiology.

PCB 4234 Principles of Immunology (3) AS BIO

PR: PCB 3023 or PCB 3063 or MCB 3020C and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Emphasis is on organization and functions of vertebrate immune system. Basic cellular and molecular mechanisms of immune responses in health and disease are addressed as well as the principles and applications of immunological methods. Lecture only.

PCB 4522C Experimental Genetics (3) AS BIO

Experimental analysis of genetic systems. Lec-Lab.

PCB 4674 Organic Evolution (3) AS BIO

PR: PCB 3063. An introduction to modern evolutionary theory. Lecture on population genetics, adaptations, speciation theory, phylogeny, human evolution and related areas. Lec.-dis.

PCB 4723 Animal Physiology (3) AS BIO

PCB 3712 & CHM 2210 & MAC 1105 or higher-level MAC course or STA 2023 & PHY 2053. CP: CHM 2211. Advanced presentation of mechanisms employed by animals to interact with their environment and to maintain their organization. Lecture only.

PCB 4723L Animal Physiology Laboratory (1) AS BIO

CR: PCB 4723. Laboratory portion of Animal Physiology.

PCB 4843 Principles of Neuroscience (3) AS BIO

PR: PCB 4723 and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and PHY 2053. CP: CHM 2211. Study of the mammalian brain's structure and function, with an emphasis on human neuroanatomy, neuropharmacology, and neurophysiology. Topics include brain imaging, dementia, mechanisms of learning/memory, and neuropathological processes. Lecture only.

PCB 5256 Developmental Mechanisms (3) AS BIO

PR: ZOO 4695. Topics in modern developmental biology to be covered in lecture and through readings so as to gain a detailed understanding of cellular and molecular mechanisms of differentiation and pattern formation in various eukaryotic species for majors/non-majors

PCB 5307 Limnology (3) AS BIO

PR: PCB 3043 and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023 and PHY 2053. CP: CHM 2211. An introduction to the physical, chemical, and biological nature of fresh-water environments. Lecture only.

PCB 5307L Limnology Laboratory (1) AS BIO

PR: Cl. CP: PCB 5307. Laboratory portion of Limnology. Laboratory and field experience in the area of aquatic ecology.

PCB 5415 Behavioral Ecology (3) AS BIO

PR: PCB 3043 and PCB 3063 or PCB 4674 and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2211. An emphasis on the evolutionary mechanisms that influence an organisms behavioral responses to environmental events. The theoretical framework is presented and analyzed. Lecture only.

PCB 5525 Molecular Genetics (3) AS BIO

PR: PCB 3063, Cl. Detailed examination of DNA, RNA and protein synthesis; the effects of mutations on proteins, cellular control; selected aspects of viral, bacterial, and fungal genetics.

PEL 1121 Golf I (2) ED EDJ

S/U only. Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation.

PEL 1341 Tennis I (2) ED EDJ

S/U only. Introductory experiences in the sport of tennis. Basic skills, playing strategies, lecture, demonstration, and participation.

PEL 2122 Golf II (2) ED EDJ

S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 2342 Tennis II (2) ED EDJ

S/U only. Continuation of PEL 1314L. Refinement of basic skills, supplementary strokes, greater emphasis on tactics and playing strategies.

PEL 2441 Racquetball (2) ED EDJ

S/U only. Development and refinement of the skills and strategies of racquetball with opportunity for competition and tournament play.

PEM 2131 Weight Training (2) ED EDJ

S/U only. Knowledge and techniques necessary for increasing muscle function. Assessment of status and development of a personal program

PEM 2441 Karate (2) ED EDJ

S/U only. Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation.

PEM 2930 Selected Topics (1-2) ED EDJ

S/U only. DPR. Activities offered are selected to reflect student need and faculty interest.

PEN 1121 Swimming I (2) ED EDJ

S/U only. Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety.

PEN 2113 Lifeguard Training (2) ED EDJ

PR: PEN 2122 or equivalent. S/U only. Knowledge and skills necessary for saving the lives of others in the event of aquatic emergency. ARC certification offered.

PEN 2136 Skin & Scuba Diving (2) ED EDJ

PR: PEN 2172 or equivalent. S/U only. Development of the essential skills and knowledge necessary for enjoying the sport of Skin & Scuba Diving. Correct utilization and care of equipment; emphasis on personal safety.

PET 2622C Care and Prevention of Physical Injuries (3) ED EDP

DPR. Principles and techniques of conditioning athletes for competition; prevention and care of injuries in physical education and athletic activities.

PET 3010 Personal/Professional Development Seminar (4) ED EDP

PR: Entry into the K-12 Physical Education Program. The purpose of this course is to introduce students to the historical, philosophical, and sociological foundations of physical education. It is also designed to help students understand all aspects of becoming a professional.

PET 3012 Professional Development in Physical Education I (1) ED EDP

PR: CC. This is the first of a two course sequence of orientation and socialization into the profession and is intended to develop dispositions necessary for successful professional practice.

PET 3013 Professional Development in Physical Education II (1) ED EDP

PR: PET 3012. This is the second of a two-course sequence of orientation and socialization into the profession and is intended to develop dispositions necessary for successful professional practice.

PET 3031 Motor Behavior (3) ED EDP

PR: CC. Study of the assessment, evaluation and motor development performance of children and adolescents and application of principles of motor skills acquisition in physical education instruction. Open to non-majors.

PET 3211 Stress Management (2) ED EDP

PR: Admission to the Exercise Science Program. This course will focus on the health and psycho physiological aspects of stress. A variety of topics will be addressed for self-regulating stress such as changing perceptions, time management, communication, biofeedback, exercise, and muscle relaxation.

PET 3252 Issues in Sport MW (3) ED EDP

PR: Junior, Senior standing. A study of organized sport as a pervasive part of contemporary society. By increasing understanding of some of the issues and controversies based in the structure of sport and society, individuals will be able to understand and improve sport experiences for themselves and others.

PET 3310 Kinesiology (3) ME ATH

A study of the structure and function of the skeletal and muscular systems and of mechanical principles related to psycho-motor performance. Open to non-majors.

PET 3312 Biomechanics (3) ED EDP

PR: Admission to the Exercise Science Program or Permission of Instructor. This course will focus on the structure and function of the skeletal and muscular systems as well as the mechanical principles related to motor performance.

PET 3314 Professional Development Seminar (1) ED EDP

PR: Admission to the Exercise Science Program. This course will introduce the student to the exercise science field. Focus will be on professional conduct, job opportunities, organizations, certifications, and trends/issues. Students will develop skills to critique fitness/wellness information.

PET 3351 Exercise Physiology I (3) ME ATH

A study of the effects of physical activity on the body. Topics include acute and chronic adaptation of the cardiovascular, muscular, metabolic, hormonal, and energy systems to exercise. Open to non-majors.

PET 3353 Exercise Physiology (3) ED EDP

PR: Admission to the Exercise Science Program or Permission of Instructor. This course is designed to explore physiological adjustments and adaptations that occur as the result of exercise. The main focus will be on exercise-induced changes in the metabolic, cardiovascular, respiratory, neuromuscular, and endocrine systems.

PET 3361 Nutrition for Fitness and Sport (3) ED EDP

PR: Admission to the Exercise Science Program. This course will address weight management/weight loss, common diets, dietary supplements, ergogenic aids, and eating disorders. Content will focus on nutrition and weight management guidelines established by the American College of Sports Medicine.

PET 3365 Physical Activity Epidemiology (3) ED EDP

PR: Admission to the Exercise Science Program. A presentation of the background and main concepts of epidemiology and discussion and summary of original research. Major topics include coronary artery disease, cerebrovascular disease, peripheral vascular disease, diabetes, arthritis, and COPD.

PET 3384 Exercise Testing and Prescription (3) ED EDP

PR: Admission to the Exercise Science Program. In this course students will become proficient in performing a variety of exercise tests and prescribe appropriate exercises for aerobic capacity, muscular strength and endurance, body composition, flexibility and other parameters of physical fitness.

PET 3404 Emergency Response and Planning (3) ED EDP

PR: Admission to the Exercise Science Program. Students will develop emergency response knowledge and skills through ARC first aid emergency response, CPR/AED certifications and will proactively assess, develop and implement a plan of response for emergency situations in fitness/wellness centers.

PET 3421 Curriculum and Instruction in Physical Education (3) ED EDP

Physical Education majors only. Development of knowledge and skills related to the instruction process of physical education. Preparation of materials and planning instruction.

PET 3441 Instructional Design and Content: Middle School Physical Education (3) ED EDP

Physical Education majors only. The development of physical education content and instructional practices for middle school students. The focus is upon matching appropriate content and learning experiences to the unique needs of the pre- and early adolescent learner.

PET 3613 Measurement and Evaluation in Athletic Training (3) ME ATH

PR: PET 3696. This course is an introduction to the study and practice of measurement and evaluation techniques used in the assessment and rehabilitation of orthopaedic injuries. AT majors only. Credit not repeatable.

PET 3617C Upper Extremity Assessment (3) ME ATH

Athletic Training majors only. The study and practice of techniques used when assessing athletic injuries to the upper extremity, head and spine.

PET 3618C Lower Extremity Assessment (3) ME ATH

Athletic Training majors only. The study and practice of techniques used when assessing injuries to the lower extremity, hip, pelvis, low back and gait.

PET 3621C Athletic Training Techniques (3) ME ATH

Athletic Training majors only. Overview course including basic components of the athletic training profession including the prevention, recognition and evaluation and immediate care of athletic injuries. Medical terminology, emergency procedures, and taping procedures will be covered.

PET 3640 Adapted Physical Education (3) ED EDP

Physical Education majors only. A study of characteristics, programming needs and teaching of physical education for students with disabilities.

PET 3660 Athletic Training Administration and Policy (3) ME ATH

Athletic Training majors only. Analysis and application of organizational skills and administrative structure of the athletic training profession, including current theory about budget management, medical record keeping, drug testing, facility design and maintenance, legal aspects of sports medicine, athletic physical examinations, medical ethics, current educational concepts, and administrative policy.

PET 3670L Clinical Experience in Athletic Training II (3) ME ATH

PR: PET 3671L. Athletic Training majors only. Performance of basic athletic training skills under the supervision of a clinical instructor at various sites. Students develop competence in introductory and mid-level athletic training skills. Weekly seminar also required.

PET 3671L Clinical Experience in Athletic Training I (3) ME ATH

PR: PET 3621C. Athletic Training majors only. Performance of basic athletic training skills under the supervision of a clinical instructor at various sites. Students develop competence in introductory athletic training skills. A weekly seminar is also required.

PET 3696 Documentation in Athletic Training (1) ME ATH

PR: Admission to Athletic Training Program. CR: PET 3613. Designed to prepare athletic training students with an introduction to the foundation of appropriate terminology, documentation, and communication methods as they relate to athletic training and sports medicine. Majors only.

PET 3713 Theory and Practice of Teaching Group Exercise (3) ED EDP

PR: Admission to the Exercise Science Program. In developing group exercise leadership skills, students will learn how to apply principles of teaching safe and effective exercises designed to enhance cardiovascular endurance, muscular strength/endurance, and flexibility.

PET 3931 Selected Topics in Sports Medicine (1-3) ME ATH

DPR. Topics offered are selected to reflect student need and faculty interest.

PET 3940 Practicum in Fitness/Wellness (3) ED EDP

PR: Admission to the Exercise Science Program. This course will provide the initial field experience in a community fitness/wellness center serving general populations. Students will gain practical experience with regard to teaching group exercise and conducting fitness testing and prescription.

PET 4093 Strength and Conditioning (3) ED EDP

PR: Admission to the Exercise Science Program. This course will provide students with the information necessary for designing and implementing a successful strength and conditioning program through assessment and analysis of fitness and sport movement.

PET 4141 Trends and Tasks- Elementary Physical Education (3) ED EDP

Taken concurrently with PET 4942 Physical Education Internship: Elementary. Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4142 Trends and Tasks - Secondary Physical Education (1) ED EDP

Taken concurrently with PET 4944 Physical Education Internship: Secondary. Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4219 Exercise Psychology (3) ED EDP

PR: Admission to the Exercise Science Program. A presentation of the basic concepts related to exercise behavior. The content will include topics related to the psychosocial dimensions of exercise behavior to include participation, motivation, and adherence. Theoretical models will also be presented.

PET 4304 Principles and Issues in Coaching (3) ED EDP

Physical Education majors only. The application of principles from philosophy, psychology, sociology, and physiology to competitive athletics and coaching.

PET 4353 Exercise Physiology II (3) ED EDP

PR: PET 3351. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritics, elderly, and high performance athletes. Open to non-majors.

PET 4384 Exercise Prescription for Strength & Conditioning (3) ME ATH

PR: PET 3351. Athletic Training majors only. Techniques in conducting health-fitness test and exercise prescription for adults. Includes cardiovascular strength, flexibility, body composition, health risk testing, exercise prescribing, and monitoring.

Justification

PET 4401 Class Management, Safety, Ethics, Law, and Organization and Administration of Physical Education (3) ED EDP

Physical Education majors only. This course will examine the various classroom management approaches, professional ethics, school law, safety, and the organization and administration of physical education programs.

PET 4402 Planning and Evaluating Fitness/Wellness Programs (3) ED EDP

PR: Admission to the Exercise Science Program. This course will focus on the design of high quality fitness/wellness programs in worksite and other settings. Students will learn and apply the major components of program planning – needs assessment, development, implementation, and evaluation.

PET 4406 Individualized Fitness/Wellness Programming (3) ED EDP

PR: Admission to the Exercise Science Program. In this course students will learn how to assess, evaluate, and design safe and effective programs for individual clients. Students will also learn how to incorporate appropriate activities for specialized clients or populations.

PET 4416 Administration of Fitness/Wellness Centers (3) ED EDP

PR: Admission to the Exercise Science Program. This course will examine management issues in the areas of human resources, budgeting, marketing, legal liability, and risk management. Students will develop skills to manage safe/effective programs and services in various fitness/wellness settings.

PET 4432 Instructional Design and Content: Physical Education Elementary (3) ED EDP

Physical Education majors only. This is the first in a two-course sequence in which students study movement forms and instructional processes suitable for elementary age students. Majors only.

PET 4433 Instructional Design and Content: Physical Education Elementary II (3) ED EDP

Physical Education majors only. This course prepares students to select, plan, conduct complex movement experiences for students K-6.

PET 4442 Instructional Design and Content: Physical Education Secondary (3) ED EDP

Physical Education majors only. Development of knowledge and skills related to the teaching of selected movement activities such as team sports, gymnastics, and physical fitness. Focus is on understanding

mechanical principles utilized within those activities as well as on instructional progression and the preparation of materials for instruction at the secondary school level.

PET 4550 Clinical Exercise Testing and Prescription (3) ED EDP

PR: Admission to the Exercise Science Program. A presentation of concepts related to the clinical aspects of fitness assessment and exercise programming. Clinical conditions that will be considered include: cardiovascular disease, pulmonary disease, metabolic disease, arthritis, and geriatrics.

PET 4625 Advanced Athletic Training (3) ME ATH

PR: PET 3617C and PET 3618C. Athletic Training majors only. Advanced techniques in athletic training including orthopedic assessment, casting and bracing and imaging techniques.

PET 4627 General Medical Conditions in the Athlete (3) ME ATH

PR: PET 3617C and PET 3618C. Advanced theory of pathology in injury, management of tissue and bone healing environments, disease, internal illness and injury and other general medical conditions. Issues related to radiology and pharmacology are also discussed.

PET 4632C Therapeutic Modalities (3) ME ATH

Athletic Training majors only. This course provides an introduction to the theoretical and practical applications of modalities for the prevention, management and rehabilitation of physically active individuals. Concepts pertaining to the use of pharmacology, thermotherapy, cryotherapy, electrical stimulation, hydrotherapy, fluidotherapy, ultrasound, biofeedback and manual techniques will be emphasized.

PET 4633C Therapeutic Rehabilitation (3) ME ATH

Athletic Training majors only. Theories and applications methods of comprehensive therapeutic treatment and rehabilitation programs for injuries commonly sustained by the physically active.

PET 4672L Clinical Experience in Athletic Training III (3) ME ATH

PR: PET 3671L. Athletic Training majors only. Performance of mid-level athletic training skills under the supervision of a clinical instructor at various sites. Students develop competence in mid-level and advanced athletic training skills. Weekly seminar also required.

PET 4673L Clinical Experience in Athletic Training IV (3) ME ATH

PR: PET 4672L. Athletic Training majors only. Continuation of clinical experience utilizing new skills under the direction of an NATABOC certified/state licensed athletic trainer accompanied by a one-hour seminar each week. This course provides students with the opportunity to develop competence in a variety of mid-level and advanced athletic training skills. Students may be assigned to a USF athletic team and/or one or more off-campus clinical affiliations. Students at this level will develop instruction skills by acting as peer-supervisors for level I, II and III students.

PET 4905 Independent Study: Professional Physical Education (1-4) ED EDP

PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

PET 4908 Independent Study in Sports Medicine (1-3) ME ATH

S/U Only. Specialized independent study determined by the student's needs and interests. Repeatable 1 time.

PET 4931 Selected Topics in Sports Medicine (3) ED EDP

PR: PET 3310, PET 3351. Pertinent and timely topics in sports medicine will be discussed. Topics and issues may vary but could include psychology of injury, environmental issues, reimbursement, pharmacology, ethical/legal issues, and performance enhancement. A.T. majors only.

PET 4933 Seminar in Sports Medicine 6A LW (3) ME ATH

PR: PET 3617C and PET 3618C. The advanced study, writing, and discussion of topics and issues related to the field of athletic training. Emphasis is on professional preparation, credentialing, governance, ethics, and scope of practice. Employment issues will also be studied.

PET 4935 Case Studies in Athletic Health Care (3) ME ATH

Athletic Training majors only. Capstone course intended to provide a unifying opportunity to utilize concepts, principles and skills learned from other athletic training courses.

PET 4941 Internship in Fitness/Wellness (9) ED EDP

PR: Admission to the Exercise Science Program. This course will provide the final field experience in a community fitness/wellness center serving both general and special populations. Practical experiences will focus on all aspects of program development, delivery, and management.

PET 4942 Physical Education Pre-Internship: Elementary (3) ED EDP

PR: CC. A part-time internship in elementary school physical education. Focus on the nature of the total elementary school curriculum, characteristics of students, and application of appropriate content and instructional competencies.

PET 4944 Physical Education Pre-Internship: Secondary (3) ED EDP

CC. A part time internship in middle or high school level physical education with focus on the relationship of physical education to the needs of the adolescent and the implementation of appropriate content and methodology.

PET 4946 Internship in Physical Education: Elementary (6) ED EDP

CC. A full-time internship in the elementary school in which the student undertakes the full range of teaching responsibilities in elementary physical education.

PET 4947 Internship in Physical Education: Secondary (6) ED EDP

S/U only. Physical Education majors only. A full-day internship in middle, junior or senior high school physical education programs with focus on the implementation of appropriate content and methodology to meet the needs of secondary students.

PGY 2110C Color Photography (3) VP ART

Development of knowledge and skills of color photography for publication and presentation. Emphasis is on the use of transparency and negative color materials in their application to the media.

PGY 2401C Beginning Photography (3) VP ART

Introduction to the expressive possibilities of photographic media. Projects and assignments will introduce students to both traditional and experimental ways of working with light-sensitive materials with an emphasis on the interdependence of form, technique, and concept. The course will also provide an overview of significant trends and directions in contemporary art photography.

PGY 3001 Photography in American Culture (3) AS AMS

A survey of photography as an art and a craft in America since the mid-nineteenth century. Attention devoted to technological innovations, leading personalities, major movements, and memorable icons. Open to majors and non-majors.

PGY 3410C Intermediate Photography (3) VP ART

PR: ART 2201C, ART 2203C, ART 2301C, ART 3310C, ARH 2050, ARH 2051, PGY 2401C. A mid level course expanding the student's visual and technical skills while establishing the beginning of a personal artistic direction. Repeatable up to 9 hours.

PGY 3610C Photojournalism I (3) AS COM

PR: MMC 2100 and MMC 3602. Laboratory required. Fundamentals of news and feature photography. Camera operation, picture composition, darkroom techniques, editing in digital format with introduction to software applications. History, ethics and law of photojournalism.

PGY 3620 Photojournalism II (3) AS COM

PR: PGY 3610C. Laboratory required. Advanced process and practice of photography for publication.

PGY 3801C Digital Media I (3) VP ART

Restricted to majors. This course builds upon the concepts introduced in Introduction to Multimedia Systems and focuses upon digital photographic creation and editing.

PGY 3930C Special Topics: Photography (3) VP ART

PR: PGY 3410C. A mid-level course expanding the student's visual and technical skills while establishing the beginning of a personal artistic direction by exposing the student to new ideas, technical skills and genres, including, but not limited to: color photography, digital photography, non-silver and documentary photography. Repeatable up to 9 hours.

PGY 4420C Advanced Photography (3) VP ART

PR: PGY 3410C (3 cr.), PGY 3930C (6 cr.) and a 3.25 major GPA. Majors only. Continued problems in photography. May be repeated.

PGY 4802C Digital Media II (3) VP ART

Restricted to majors. This course builds upon the concepts introduced in Digital Media I and focuses upon digital photographic, web and digital video creation.

PGY 5425C Art Photography III (4) VP ART

PR: CI. Advanced work in photography and related media leading to development of personal/expressive statements.

PHC 4542 Stress, Health and College Life (3) PH CFH

The purpose of this course is to examine the relationship between stress, as a multi-causal concept, health and disease. Focus areas include: the historical evolution and current theories of stress as they relate to types of stressors, physiological reactions and predisposition to disease, and techniques related to the recognition and prevention of an unhealthy level of stress.

PHC 5933 Special Topics (1-3) PH PHC

Provides students the opportunity to learn about the multiple ways to view controversial topics in public health. It covers current public health topics including biomedical issues, social and behavioral factors, and environmental issues.

PHH 2000 Introduction to Philosophy 6A HP (3) AS PHI

An introduction to selected philosophical problems and traditions.

PHH 3062 History of Western Philosophy: Ancient Philosophy (3) AS PHI

A survey of Western philosophy from the Pre-Socratics to Late Antiquity.

PHH 3280 Medieval and Renaissance Philosophy (3) AS PHI

This course is a survey of medieval and early Renaissance philosophy in the Latin West, focusing on the thought of Augustine, Anselm, Peter Abelard, Thomas Aquinas, John Duns Scotus, and William Ockham.

PHH 3400 History of Philosophy: Modern (3) AS PHI

A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

PHH 3420 Early Modern Philosophy (3) AS PHI

A survey of Western Philosophy from the end of the Renaissance to the beginnings of the Enlightenment.

PHH 3442 Late Modern Philosophy (3) AS PHI

A survey of Western Philosophy during the Enlightenment.

PHH 4440 Continental Philosophy (3) AS PHI

A study of developments in post-Kantian European philosophy.

PHH 4600 Contemporary Philosophy 6A MW (3) AS PHI

Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

PHH 4700 American Philosophy 6A MW (3) AS PHI

Major traditions in American thought, Puritanism, the Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic Philosophy in relation to American culture.

PHH 4820 Chinese Philosophy (3) AS PHI

A survey of Confucianism, Taoism and other aspects of Chinese thought. The course is available to both majors and non-majors and does not have laboratory sections associated with it.

PHI 1103 Critical Thinking SS (3) AS PHI

Methods of thinking that lead to reliable conclusions, with emphasis on concrete cases in ordinary thinking and the sciences.

PHI 1401 Science and Society 6A NS SS (3) AS PHI

This class teaches students to become a better "Scientific Citizen," i.e. to be able to better understand and participate in the process by which we come to conclusions about the natural and social world that matter to us as a society.

PHI 1600 Introduction to Ethics HP SS (3) AS PHI

A study of ethical theories, concepts, problems and methods.

PHI 2101 Introduction to Formal Logic 6A QM (3) AS PHI

An elementary study of propositional, predicate, class and syllogistic logic with some attention to basic problems of logical theory.

PHI 2630 Contemporary Moral Issues SS (3) AS PHI

Open to all students. A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights in general.

PHI 2631 Ethics and Business SS (3) AS PHI

An application of traditional ethical theories to contemporary problems in business.

PHI 3404 Philosophy of Science (3) AS PHI

How is science different from other methods of inquiry about the world? What distinguishes science from pseudoscience? From religion? How we do test scientific theories? What are the factors that lead scientists to accept a theory?

PHI 3633 Biomedical Ethics (3) AS PHI

This course will focus on the ethical issues arising from advances in medical practice, delivery of health care, and scientific research.

PHI 3636 Professional Ethics (3) AS PHI

An examination of the ethical problems that professionals will face in the complex, global society of the next few decades: confidentiality, divided loyalty, racism/sexism, etc.

PHI 3640 Environmental Ethics SS (3) AS PHI

A study of alternative theories of environmental ethics, including the application of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.

PHI 3700 Philosophy of Religion 6A SS (3) AS PHI

Analysis of religious experience and activity and examination of principal religious ideas in light of modern philosophy.

PHI 3905 Directed Study (1-4) AS PHI

PR: CI. Approval slip from instructor required. Individual study directed by a faculty member.

PHI 3930 Selected Topics (1-4) AS PHI

PR: CI. Selected topics according to the needs of the student.

PHI 4073 African Philosophy MW (3) AS PHI

A descriptive and analytical study of African philosophical thought, featuring reflective comparisons of African and Western categories of thought.

PHI 4300 Theory of Knowledge 6A MW (3) AS PHI

An examination of human knowledge; its scope and limits, and an evaluation of evidence, criteria of truth, the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.

PHI 4320 Philosophy of Mind 6A MW (3) AS PHI

A study of historical and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problems of other minds, the physical basis for intelligence.

PHI 4632 Feminist Ethics MW (3) AS PHI

A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hoagland and others.

PHI 4670 Contemporary Ethical Theory (3) AS PHI

A survey of contemporary ethical theory, focusing both on the literature about the status of ethical theorizing--moral scepticism, moral nihilism, narrative ethics--and on specific types of theories--deontological theories, consequentialist theories, rights-based theories, virtue theories.

PHI 4800 Aesthetics 6A MW (3) AS PHI

A study of traditional and contemporary aesthetic theories with emphasis on creative process, the nature of the art work, the aesthetic response, expressiveness, form and content, as well as art and morality.

PHI 4905 Directed Study (1-4) AS PHI

PR: CI. Approval slip from instructor required. Individual study directed by a faculty member.

PHI 4930 Selected Topics (1-3) AS PHI

PR: CI. Approval slip from instructor required. Selected topics according to the needs of the senior students.

PHI 4938 Philosophy Capstone Seminar (3) AS PHI

PR: Junior or senior standing; declared philosophy major. Exit course for philosophy majors. Topics will vary at instructor's discretion, but are expected to span conventional boundaries between the branches of philosophical inquiry.

PHI 5135 Symbolic Logic (3) AS PHI

PR: PHI 2101 or CI. Study of topics such as the following: Metatheory of propositional and predicate logic, related metatheoretic results, alternative logic.

PHI 5225 Philosophy of Language (3) AS PHI

PR: Eight hours of philosophy, major in linguistics, or CI. An examination of semantically, syntactical, and functional theories of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage. Seminar format.

PHI 5913 Research (1-4) AS PHI

PR: CI. Approval slip from instructor required. Individual research supervised by a faculty member.

PHI 5934 Selected Topics (1-3) AS PHI

PR: CI. Approval slip from instructor required. Selected topics according to the needs of the student.

PHM 3020 Philosophies of Love and Sex (3) AS PHI

Discussion of Philosophies of Love/Sex of Plato, Aristotle, Epicurus, Aquinas, Hume, Kant, Schopenhauer, Russell, Sartre, Marx, etc.

PHM 3100 Social Philosophy 6A SS HP (3) AS PHI

An analysis of rival theories of social order and their philosophical foundations.

PHM 3400 Introduction to Philosophy of Law (3) AS PHI

A study of the fundamental concepts of law from a philosophical standpoint including crime, justice, punishment, free speech, insanity.

PHM 4120 Major Black Thinkers MW (3) AS AFA

PR: Junior or Senior standing. Survey of major themes and issues in African/African-American intellectual and political thought with an emphasis on theories of nationalism. Works of individuals such as Martin Delany, Booker T. Washington, W. E. B. DuBois, Marcus Garvey, Malcolm X, and Angela Davis are considered.

PHM 4331 Modern Political Philosophy 6A MW (3) AS PHI

A survey of political philosophy from 1600 A.D. until 1900 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.

PHM 4340 Contemporary Political Philosophy 6A MW (3) AS PHI

A survey of political philosophy in the twentieth century, including an examination of the ethical, metaphysical and epistemological bases of these philosophies.

PHM 5125 Topics in Feminist Philosophy (3) AS PHI

A study of recent feminist philosophical approaches to epistemology, aesthetics and political philosophy. May also be taken for credit in Women's Studies.

PHM 5126 Social Issues in Biomedical Ethics (3) AS PHI

An examination of the social and political issues arising from rapid changes in medicine and technology. Topics covered may include social issues related to the just distribution of health care, reproductive technologies, HIV and AIDS, eugenics, genetic testing, and maternal-fetal relations.

PHP 3786 Existentialism 6A HP (3) AS PHI

A study of the religious and atheistic existentialists and the bearing of their views on religion, ethics, metaphysics, and theory of knowledge.

PHP 4000 Plato 6A MW (3) AS PHI

The examination of Plato will include the dialogues Protagoras, Georgias, Meno, Republic.

PHP 4010 Aristotle 6A MW (3) AS PHI

Study of Aristotle's philosophy.

PHP 4410 Kant (3) AS PHI

Lecture and discussion of Kant's philosophy, especially the Critique of Pure Reason.

PHP 4740 The Rationalists 6A MW (3) AS PHI

A careful study of the metaphysics and epistemologies of Descartes, Spinoza, Leibniz, and Malebranche.

PHP 4745 The Empiricists 6A MW (3) AS PHI

A careful study of the metaphysics and epistemologies of Locke, Berkeley, Hume, and Thomas Reid.

PHP 4784 Analytical Philosophy 6A (3) AS PHI

A study of the method devoted to clarifying philosophical problems through analysis of the language in which these problems are stated.

PHP 4788 Philosophy of Marxism 6A MW (3) AS PHI

A critical survey of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbert Marcuse.

Hegelian foundations of Marxist philosophy analyzed in detail.

PHT 5021 Professional Issues I (2) ME PHT

Foundations of systems thinking, decision making, professional expression, responsibility, and accountability (including legal/ethical concepts), culture and argumentation for the roles of the physical therapist in administration, consultation, critical inquiry, education and patient/client management. Restricted to majors.

PHT 5022 Professional Issues II (2) ME PHT

An introduction to critical injury and educator roles and responsibilities; explores the concepts of decision-making, evaluation of research, theories of learning, research and clinical pathways. Restricted to majors.

PHT 5023 Professional Issues III (3) ME PHT

Focus on legal, ethical, and professional responsibility and accountability of the physical therapist. Learners will further develop their abilities to make legal and ethical decisions. The class will examine state laws governing the practice of physical therapy and other health care services. Restricted to majors.

PHT 5171C Foundational Science I (3) ME PHT

Introduction to the peripheral neuromuscular, skeletal, integumentary, and circulatory systems in normal and pathological states. Includes the anatomy and physiology of bones, joints, skin, nerves, and blood vessels, as well as the response of these tissues to injury and their potential for healing. Restricted to majors.

PHT 5172C Foundational Science II (1) ME PHT

Emphasis on physiology of the peripheral sensorimotor and cardiopulmonary systems. Restricted to majors.

PHT 5173C Foundational Science III (2) ME PHT

Emphasis on physiology of the peripheral sensorimotor and cardiopulmonary systems. Restricted to majors.

PHT 5184 Movement Science I (2) ME PHT

A basic introduction to movement science and its foundational principles from four different perspectives: biomechanics; kinesiology; exercise physiology; and motor control, learning and development. Restricted to majors. Repeatable for 2 cr.

PHT 5185 Movement Science II (3) ME PHT

PR: PHT 5184 Elaboration of movement science principles with emphasis on biomechanics, kinesiology, functional anatomy, exercise physiology, histopathology, motor control and connective tissue properties. Restricted to majors. Repeatable for 3 cr.

PHT 5271 Patient/Client Management I (3) ME PHT

Foundational principles of histology, pathology, histopathology, applied biomechanics, pharmacology and clinical medicine are introduced and applied to the physical therapy management of individuals with musculoskeletal disorders involving the limbs. Restricted to majors.

PHT 5272 Patient/Client Management II (2) ME PHT

Application of principles of patient/client management to patients with cardiopulmonary disease or dysfunction and diabetes in order to identify and write plans of care for related movement dysfunction. Restricted to majors.

PHT 5273 Patient/Client Management III (3) ME PHT

Learners apply principles of patient/client management to patients with progressive, non-progressive diseases and injuries of the nervous system. Restricted to majors.

PHT 5275C Physical Therapy Science I (4) ME PHT

Introduction to physical therapy skills in examination, evaluation, and diagnosis for clients with uncomplicated musculoskeletal impairments involving the extremities. Emphasis on obtaining a history and performing physical therapy tests and measures leading to a differential diagnosis by application of principles of movement. Restricted to majors.

PHT 5276C Physical Therapy Science II (4) ME PHT

Introduction to physical therapy skills used in examination, evaluation, diagnosis of and intervention for clients with activity limitations associated with cardiovascular, hematological, or pulmonary disorders. Major

emphasis on selecting, justifying, administering, and interpreting physiological responses to physical agents and therapeutic exercises. Restricted to majors.

PHT 5277C Physical Therapy Science III (3) ME PHT

Examination, evaluation, diagnosis, and intervention for movement-related problems secondary to impairments of the nervous system. Contemporary theories of motor development, motor learning and motor control will be introduced. Student knowledge will be demonstrated with clinical problem-solving scenarios. Restricted to majors.

PHT 5283C Physical Therapy Procedures (3) ME PHT

Introduction to selected physical therapy interventions, obtaining a patient history, and conducting a systems screen. Restricted to majors. Repeatable for 3 cr.

PHT 5316 Medical Management I (1) ME PHT

Introduction to medical diagnostics, pharmacological principles, and common orthopedic surgical procedures as components of medical management including repair of bone and soft tissue. Restricted to majors. Repeatable for 1 credit.

PHT 5380 Medical Management II (1) ME PHT

PR: PHT 5316 Seminar on the medical and surgical management; epidemiology; pathophysiology; pharmacology of injuries and diseases of the cardiopulmonary system including repair and regeneration. Restricted to majors. Repeatable for 1 credit.

PHT 5822 Clinical Education I (3) ME PHT

Initial clinical practice experience for the development of patient care skills. The course is graded Satisfactory/Unsatisfactory. Restricted to majors.

PHT 5906 Directed Independent Study (1-10) ME PHT

Directed independent stud, content to be decided. Restricted to majors.

PHT 5934 Special Topics I (1-10) ME PHT

Exploration of physical therapy practice issues. Topics may vary each semester the course is offered. A seminar and/or lab course. Restricted to majors. Not repeatable for credit.

PHT 5960 Clinical Proficiency and Problem Solving I (1) ME PHT

Practicum for patient/client management of individuals with musculoskeletal related movement disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.

PHT 5961 Clinical Proficiency and Problem Solving II (1) ME PHT

PR: PHT 5960 Practicum for the synthesis of skills, knowledge, and values for management of individuals with cardiopulmonary and endocrine related movement disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.

PHY 2020 Conceptual Physics NS (3) AS PHY

No credit for Physics or Mathematics majors. A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today.

PHY 2048 General Physics I NS (3) AS PHY

PR: MAC 2281 or MAC 2311. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses. First semester of a two semester sequence of calculus-based general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) for physics majors and engineering students.

PHY 2048L General Physics I Laboratory (1) AS PHY

PR: MAC 2281 or MAC 2311. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053L and PHY 2048L courses. First semester of a two-semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students.

PHY 2049 General Physics II NS (3) AS PHY

PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054 PHY 2054 and PHY 2049 courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2049L General Physics II Laboratory (1) AS PHY

PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054L PHY 2054L and PHY 2049L courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2053 General Physics I NS (3) AS PHY

PR: MAC 1140 and MAC 1114, or MAC 1147. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY2048 PHY 2048 courses. First semester of a two semester sequence of non-calculus-based general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) for science students.

PHY 2053L General Physics I Laboratory (1) AS PHY

Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053L and PHY 2048L courses. First semester of a two semester sequence of general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) laboratory for science students.

PHY 2054 General Physics II NS (3) AS PHY

PR: PHY 2053, PHY 2053L. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses. Second semester of non-calculus-based general physics for science students.

PHY 2054L General Physics II Laboratory (1) AS PHY

PR: PHY 2053, PHY 2053L. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054L and PHY 2049L courses. Second semester of general physics lab for science students.

PHY 3101 Modern Physics (3) AS PHY

PR: PHY 2049, MAC 2283 or MAC 2313. Special relativity. Interaction of radiation with matter. Particle-wave duality. Atomic and x-ray spectra and Bohr model of atom. Schrodinger wave equation. Introduction to solid state physics.

PHY 3221 Mechanics I (3) AS PHY

PR: PHY 2048. CR: MAC 2283 or MAC 2313. First semester of a two-semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work.

PHY 3323 Electricity and Magnetism I (3) AS PHY

PR: PHY 2049, MAC 2283 or MAC 2313. Electrostatic fields and potentials, dielectrics, classical conductivity, RC circuits, Fourier and finite element methods. First semester of sequence PHY 3323, PHY 4324.

PHY 3424 Optics (4) AS PHY

PR: PHY 2049; CR: MAC 2283 or MAC 2313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

PHY 3822L Intermediate Laboratory (3) AS PHY

PR: PHY 2049 or equivalent; CR: PHY 3101. Experiments in modern physics, including the areas of atomic, nuclear, solid state and wave phenomena.

PHY 4031 Great Themes in Physics 6A MW (3) AS PHY

Origins/early history of physics, and quantum physics. Conservation of energy. Second Law of Thermodynamics. Special Relativity. Exponential dynamics. Outside reading, writing; maintenance of a logbook/journal.

PHY 4222 Mechanics II (3) AS PHY

PR: PHY 3221; CR: MAP 2302. Continuation of PHY 3221. Coupled oscillators and normal modes; moving coordinate systems; Lagrange's and Hamilton's equations; inertia tensor; general rotation of rigid bodies.

PHY 4324 Electricity and Magnetism II (3) AS PHY

PR: PHY 3323. Introduction to special relativity, magnetic fields and potentials, magnetic materials, RL and RLC circuits, Maxwell's equations and applications.

PHY 4523 Statistical Physics (3) AS PHY

PR: PHY 3101, senior status. Statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics.

PHY 4604 Introduction to Quantum Mechanics (3) AS PHY

PR: PHY 3101, or CI. Basic concepts of quantum mechanics with applications in atomic, nuclear, and condensed matter Physics.

PHY 4744C Introduction to Electronics and Test Instrumentation (3) AS PHY

PR: General Physics or CI. Introduces the fundamentals of analog and digital electronics used in measurements and instrumentation. Weekly labs give hands-on experience in breadboarding electronic circuits and using test instrumentation (oscilloscopes, digital multimeters, etc.)

PHY 4823L Advanced Laboratory (3) AS PHY

PR: PHY 3822L. Experimental work primarily related to modern physics. Emphasis on experimental techniques used in current research.

PHY 4905 Independent Study (1-3) AS PHY

PR: CI. S/U only. Specialized, independent study determined by the student's need and interest. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

PHY 4910 Undergraduate Research (1-4) AS PHY

PR: Senior or advanced junior standing and CC. S/U only. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms, are to be determined by student/instructor agreement.

PHY 4930 Undergraduate Seminar (1) AS PHY

PR: Senior or advanced junior standing or CC. S/U only. All undergraduate physics majors must enroll in this course at least once. Regular attendance is required. This course introduces students to the research areas in the Physics Department.

PHY 4936 Selected Topics in Physics (1-4) AS PHY

PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.

PHY 5720C Electronics for Research (3) AS PHY

A rigorous introduction to the fundamentals of analog and digital electronics. Theoretical circuit analysis and weekly labs introduce practical use of diodes, transistors, analog and digital ICs, breadboarding techniques and electronics test instrumentation. Spring Semester.

PHY 5937 Selected Topics in Physics (1-4) AS PHY

PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

PHZ 2102 Problems in General Physics I (1) AS PHY

CR: PHY 2048 or PHY 2053. First semester of a two-semester sequence on solving problems in General Physics I. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

PHZ 2103 Problems in General Physics II (1) AS PHY

CR: PHY 2049 or PHY 2054. Second semester of a two-semester sequence on solving problems in General Physics II. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

PHZ 3113 Mathematical Methods in Physics (3) AS PHY

PR: PHY 2049. CR: MAC 2283 or MAC 2313. The course is designed to develop the basic mathematical skills required in subsequent courses in physics, as well as form the basis for a fundamental understanding of the mathematics needed for the study of physics.

PHZ 4151C Computational Physics (3) AS PHY

Introduction to computer applications in physics. Emphasis on numerical modeling and simulation of physics problems using linear algebra, differential equations and Monte Carlo methods. No prior programming experience required.

PHZ 4434 Materials Physics NS (3) AS PHY

PR: PHY 2048, PHY 2049, PHY 3101. The physics and physical properties of materials. Strong emphasis is on the underlying physics of materials. Particular topics covered include crystal structure, phase, and electrical, thermal, optical, and magnetic properties of materials.

PHZ 4702 Applications of Physics to Biology and Medicine I (4) AS PHY

PR: PHY-2054, PHY-2054L or PHY-2049, PHY 2049L. The first semester of a two-semester sequence, to discuss the applications of the physical concepts introduced in the General Physics sequence to biological systems and for medical applications. Restricted to non-majors.

PHZ 4703 Applications of Physics to Biology and Medicine II (4) AS PHY

PR: PHY-2054, PHY-2054L or PHY-2049, PHY 2049L; PHY 2053 or CI. The second semester of a two-semester sequence, to discuss the applications of the physical concepts introduced in the General Physics sequence to biological systems and for medical applications. Restricted to non-majors.

PHZ 5115 Methods of Theoretical Physics I (3) AS PHY

PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus.

PHZ 5116 Methods of Theoretical Physics II (3) AS PHY

PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory.

PHZ 5156C Computational Physics I (3) AS PHY

PR: CGS 5765 or CI. C programming applied to real science and engineering problems. Data analysis, numerical algorithms, modeling, parallel computation. Subjects selected from current research may include neurobiology, quantum magnetism, chaos, finance, materials science.

PHZ 5304 Nuclear Physics (3) AS PHY

PR: PHY 4604 or CI. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reactions, and high energy physics.

PHZ 5405 Solid State Physics I (3) AS PHY

PR: PHY 3101, MAP 2302, CI. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426.

POL 1120 Beginning Polish I (4) AS WLE

CR: POL 1120L. This course features all four major skills: listening, reading, speaking, and writing. Grammar exercises, dictation, readings and vocabulary-building are central in this first course. Knowledge of Russian can help. S/U available.

POL 1120L Beginning Polish I Laboratory (1) AS WLE

CR: POL 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POL 1121 Beginning Polish II (4) AS WLE

PR: POL 1120 or equivalent. CR: POL 1121L. This course continues the four basic skills of POL 1120, with continued emphasis on structures, dialogues, readings, dictation, and vocabulary-building. Knowledge of Russian can help. S/U available.

POL 1121L Beginning Polish II Laboratory (1) AS WLE

CR: POL 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POL 4905 Directed Study (1-5) AS WLE

Departmental approval required. S/U only. Permits study options in Polish not available in regularly scheduled curriculum at departmental discretion.

POR 1120 Beginning Portuguese I (4) AS WLE

CR: POR 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

POR 1120L Beginning Portuguese I Laboratory (1) AS WLE

CR: POR 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POR 1121 Beginning Portuguese II (4) AS WLE

PR: POR 1120 or equivalent. CR: POR 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

POR 1121L Beginning Portuguese II Laboratory (1) AS WLE

CR: POR 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POR 2201 Intermediate Portuguese II (3) AS WLE

For language students who intend to attain basic proficiency.

POR 2220 Intermediate Portuguese I (3) AS WLE

POR 2200 builds upon the four language skills (speaking, comprehension, reading, and writing) introduced in POR 1120 and POR 1121.

POS 2041 American National Government (3) AS POL

Analysis of basic principles and procedures of the American governmental system with emphasis on current issues and trends.

POS 2080 The American Political Tradition SS HP (3) AS POL

This course is an introductory survey of the historical developments and changes in American political institutions, processes, and thought.

POS 2112 State and Local Government and Politics (3) AS POL

Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.

POS 3142 Introduction to Urban Politics and Government (3) AS POL

Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.

POS 3173 Southern Politics (3) AS POL

Examines changes in electoral politics in the South, and the role of interest groups and the state and federal government in facilitating change.

POS 3182 Florida Politics and Government (3) AS POL

A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.

POS 3283 Judicial Process and Politics (3) AS POL

The organization, development, and functioning of American court systems and the causes and consequences of judicial behavior from an empirical perspective.

POS 3453 Political Parties and Interest Groups (3) AS POL

Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.

POS 3691 Introduction to Law and Politics (3) AS POL

Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.

POS 3697 Environmental Law (3) AS POL

Examines some of the major issues involving environmental law. Specially, the course provides a survey and analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. It will also address questions pertaining to problems of implementation, interpretation, enforcement, and development of environmental laws.

POS 3713 Empirical Political Analysis (3) AS POL

Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.

POS 3931 Selected Topics (3) AS POL

Selected topics in political science with course content based upon student demand and instructor's interest.

POS 4204 Political Behavior, Public Opinion, and Elections (3) AS POL

Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.

POS 4413 The American Presidency 6A (3) AS POL

The presidency as a political institution; analysis of powers; legislative, administrative, political, and foreign policy leadership; crisis management and decision making; White House staffing; limits on power.

POS 4424 The American Congress (3) AS POL

Organization, procedures, committee system, party leadership, relations with governmental and non-governmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.

POS 4614 Constitutional Law I (3) AS POL

PR: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.

POS 4624 Constitutional Law II (3) AS POL

PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.

POS 4693 Women and Law I (3) AS WST

Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues.

POS 4694 Women and Law II 6A MW (3) AS WST

PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men.

POS 4905 Independent Study (1-3) AS POL

PR: 3.0 average in Political Science and CI. S/U only. Specialized study determined by the student's needs and interests.

POS 4910 Individual Research (1-3) AS POL

PR: 3.0 average in Political Science and CI. Investigation of some aspect of political science culminating in the preparation of an original research paper.

POS 4936 Senior Seminar (3) AS POL

PR: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.

POS 4941 Field Work (3-15) AS POL

PR: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.

POS 4970 Honor Thesis (3) AS POL

PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.

POS 5094 Issues in American National and State Government (3) AS POL

Selected topics of study in American government.

POS 5155 Issues in Urban Government and Politics (3) AS POL

Selected issues and topics in Urban Government and politics.

POS 5159 Urban Policy Analysis (3) AS PAD

Application of policy framework for urban government & policies. Examine forms of government and how policies such as economic development, law enforcement, community policing, neighborhood policies (with non-profit groups) can be analyzed.

POT 3003 Introduction to Political Theory (3) AS POL

Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicism theory, analytical theory, and critical theory.

POT 3013 Classical Political Theory (3) AS POL

Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POT 4054 Modern Political Theory (3) AS POL

Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.

POT 4064 Contemporary Political Thought (3) AS POL

Examines various political views and political phenomena in the nineteenth and twentieth centuries. Diverse theoretical types and salient political phenomena will be presented.

POT 4109 Politics and Literature 6A LW (3) AS POL

Critical examination of the connections between politics and literature.

POT 4204 American Political Thought (3) AS POL

Examines political writings in the U.S. and responses to critical periods in history, beginning with the Founding Fathers, and culminating in recent contributions and understanding contemporary political problems and solutions.

POT 4661 The Politics of Identity, Difference and Inequality MW (3) AS POL

PR: POT 3003. An analysis of how relationships of social identity and difference become the basis of social, political and economic inequality in modern society. It incorporates both contemporary and classical discussions of inequality.

POT 4936 Selected Topics in Political Theory (3) AS POL

Selected topics or thinkers in political theory.

PPE 4003 Personality (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

PSB 3444 Drugs and Behavior (3) AS PSY

This is a basic introduction to drugs and their effects on society and behavior. Specifically, drug regulations and laws will be covered as well as how drugs interact with the brain to alter consciousness.

PSB 4004C Physiological Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system and theory of brain functions.

PSC 2515 Energy and Humanity NS (3) AS PHY

Social, economic, and political aspects of energy. Includes energy conservation, environmental impact, energy-source alternatives, changing lifestyles, and personal use of solar energy. The relevant basic laws of physics and the scientific method are emphasized. Field trips and audiovisual presentations play important roles.

PSY 2012 Introduction to Psychological Science SS (3) AS PSY

Introduction to the science of psychology for majors and nonmajors, presents theory and methods in broad survey of various areas of psychology including clinical, cognitive, developmental, health, industrial/organizational, social and neuropsychology.

PSY 3017 Psychological Science II SS (3) AS PSY

PR: PSY 2012, psychology major or CI. Designed as an in-depth examination of the basic principles and concepts of psychological science. Extensive coverage will be given to the areas of learning, perception, physiological psychology, and cognition.

PSY 3204 Psychological Statistics 6A QM (3) AS PSY

PR: PSY 2012. Introduction to analyzing psychological data, in the context of behavioral research. Covers basic research design, descriptive statistics, analysis procedures, use of computer analysis packages, interpretation of outputs, and implications for research.

PSY 3213 Research Methods in Psychology (4) AS PSY

PR: PSY 2012 with a grade of C or better or CI. This course considers the logic of experimental design, concept of control and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab.

PSY 4205 Experimental Design and Analysis (3) AS PSY

PR: PSY 3213 with grade of C or better or CI. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on topics from analysis of variance.

PSY 4604 History and Systems of Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

PSY 4913 Directed Study (1-3) AS PSY

PR: PSY 3213. S/U only. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member. S/U only.

PSY 4931 Selected Topics: Seminar (3) AS PSY

PR: PSY 3213 with a grade of C or better. Upper-level standing, psychology major and CI. Graduate-type seminar designed to provide the advanced undergraduate student with an in-depth understanding of a selected sub-area within psychology.

PSY 4932 Honors Seminar (3) AS PSY

PR: PSY 3213 with a grade of C or better, admission to honors program in psychology and CI. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student, under supervision of a faculty member, will complete a thesis project.

PSY 4933 Advanced Topics in Applied Behavior Analysis (4) AS PSY

PR: EXP 4404 and CLP 4414. Restricted to Psychology majors admitted to the Concentration in Applied Behavioral Analysis. Advanced seminar in the effective and ethical application of behavior analysis to human problems. Includes theoretical and conceptual issues; assessment and treatment procedures; legal, ethical and socio-cultural issues.

PSY 4970 Honors Thesis (1-3) AS PSY

PR: PSY 3213 with a grade of C or better, admission to honors program in psychology and CI. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student, under supervision of a faculty member, will complete a thesis project.

PUP 4002 Public Policy (3) AS POL

Examines the formation and implementation of public policy in areas such as the economy, health, etc.

PUP 4203 Environmental Politics and Policy (3) AS POL

Examines the politics of environmental issues, formation and implementation of environmental policy.

PUP 4323 Women and Politics 6A MW (3) AS WST

An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process.

PUP 5607 Public Policy and Health Care (3) AS POL

The study of health care policy as it relates to the policy process in the American setting.

PUR 3000 Principles of Public Relations (3) AS COM

PR: MMC 2100 and MMC 3602. The underlying theory and professional practice of public relations within corporate and institutional structures and its vital role in society; ethical standards of practice, and relationships of the practice to the public media; public relations problem-solving process.

PUR 3500 Public Relations Research (3) AS COM

PR: PUR 3000 and LIS 2005. The theory and practice of quantitative and qualitative research methods as applicable to the study of public relations and public relations campaigns. Emphasis is on the scope of research methods available to public relations practitioners, evaluation of data and report writing.

PUR 4100 Writing For Public Relations (3) AS COM

PR: JOU 2100 and PUR 3000. Techniques for creating effective written public relations communications to achieve organizational goals, including news releases, proposal letters, broadcast scripts, and memos. Exercises based on case study scenarios.

PUR 4101 Public Relations Design and Production (3) AS COM

PR: PUR 3000. Theoretical and practical applications of design for public relations publications. Design software. Study of visual design, page architecture, typography, color and illustrations. Integration of design elements in the design of different types of public relations publications.

PUR 4401 Public Relations: Issues, Practices and Problems (3) AS COM

PR: PUR 3000. The theory of public relations practice and its application in the real world. The role of the public relations practitioner in business, government, and social institutions, and the nature of specialized areas of the practice. Identification of public issues, analysis of potential impact on organizations and development of strategies to deal with them successfully and responsibly. Communication techniques and trends.

PUR 4700 Public Relations Practicum (1) AS COM

PR: Senior standing and CI. For public relations sequence majors. S/U. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

PUR 4801 Advanced Public Relations (3) AS COM

PR: PUR 3500, PUR 4100 and PUR 4401 As final course in Public Relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of case studies and preparation of complete Public Relations program. Extensive reading in the literature of contemporary practice.

PUR 5505 Introduction to Strategic Communication Theory and Practice (3) AS COM

The course is designed to act as a "bridge" between undergraduate and graduate public relations and advertising education, and between professional communication practices and strategic communication scholarship.

QMB 2100 Business And Economic Statistics I 6A QM (3) BA QMB

PR: MAC 1105. Data description; exploratory data analysis; introduction to probability; binomial and normal distributions; sampling distributions; estimation with confidence intervals; tests of hypotheses; control charts for quality improvement.

QMB 3200 Business And Economic Statistics II (3) BA QMB

PR: MAC 2233 or MAC 2241, QMB 2100. Simple linear regression and correlation; multiple regression and model building; forecasting models; analysis of variance; chi-square tests; nonparametric methods.

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions (3) AS REH

PR: CI. An overview of alcohol and other drug abuse. Explores the extent and rate of abuse in the United States, causes, biology, psychosocial aspects, legal aspects, and treatment.

RCS 4931 Selected Topics in Counseling Professions (3) AS REH

Provides an overview of counseling professions including current issues, standards of practice, and future trends. Will cover legal and ethical and professional issues.

RCS 5035 Rehabilitation Counseling: Concepts and Applications (3) AS REH

PR: CC. Introduction to the profession of Rehabilitation Counseling and current issues in the field. Coverage includes rehabilitation history, legislation, case management and related services for Americans with disabilities.

RCS 5080 Medical Aspects of Disability (3) AS REH

PR: RCS 5780 or CP. A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicaps, physical and mental, to rehabilitation and mental health programming.

RCS 5450 Substance Abuse I (3) AS REH

PR: CI. An overview of alcohol and other drug abuse. Explores the extent and rate of abuse in the United States, causes, biology, psychosocial aspects, legal aspects, and treatment.

RCS 5780 Legal, Ethical, Professional Standards and Issues in Counseling (3) AS REH

PR: CC. An overview of all aspects of professional functioning including history, roles, organizational structures, ethics, standards and credentialing. Contemporary and developing issues in the field of professional counseling will also be addressed.

RCS 5905 Directed Studies (1-4) AS REH

PR: CI. Supervised rehabilitation studies under the direction of a faculty member.

REA 1205 Advanced Reading (3) US REA

This course focuses on a broad array of reading strategies to help students enhance comprehension skills as well as develop the fundamentals of critical analysis through the application of a strategic-reflective reading model.

REA 1305 Reading Lab (1) US REA

The focus is on the development of a systematic approach for increasing reading comprehension, rate, and vocabulary as well as adjusting rate and technique to adapt to a variety of materials and purposes. Open to all students; repeatable up to 3 credits.

REA 1605 Advanced Learning Systems (2) US REA

To explore the most recent advances in learning theory systems and then learn to apply that knowledge to understanding individual learning preferences, analyzing task demands, and intentionally selecting effective strategies for each learning challenge.

REA 2105 Critical Reading and Writing 6A (3) US REA

This course helps students develop the fundamentals of reflective and critical reading and on effective analytical writing utilizing multiple sources from various disciplines. The course meets the criteria for Gordon Rule writing requirements.

REA 2505 Vocabulary (3) AS ENG

A practical course in rapid vocabulary improvement for students in all areas. Stress is on words in context. Will not be counted toward the English major.

REA 2604 Strategic Learning (1) US REA

For students in academic difficulty, this course introduces students to advanced learning system used to understand individual learning preferences, analyze task demands, and then intentionally select effective strategies for each learning challenge.

REA 2930 Selected Topics (1-4) US REA

Topics will vary to meet the needs of students. Will not be counted toward the English major.

RED 4310 Reading and Learning to Read (3) ED EDE

PR: Admission to College of Education. This course will prepare pre-service teachers to understand the foundations of reading and the inherent learning principles to produce successful readers. The course focuses on appropriate instructional strategies to enhance reading development and reading across the curriculum.

RED 4511 Linking Literacy Assessment to Instruction (3) ED EDR

PR: RED 4310. This course will prepare pre-service teachers to use multiple assessment measures to assess and diagnose students' strengths and needs in literacy learning. Based on individual student profiles, teachers will design instruction to enhance literacy development.

REE 3043 Real Estate Decision Making (3) BA FIN

PR: FIN 3403. Acquaints students with the range of knowledge required to engage in real estate decision-making in the United States. Integrates the institutional framework with which decisions are made, the elements of financial analysis, deal structuring and marketing, and the pricing, financing, and allocation of real property in the real estate markets.

REE 4303 Real Estate Investment Analysis (3) BA FIN

PR: FIN 4504. A comprehensive study of the determinants of the market and financial feasibility of the real estate investment decision. The development of market and site analyses, theories of urban development patterns, and the role of taxation will be studied along with the application of analytical techniques for decision making.

REL 2210 Hebrew Bible/Old Testament (4) AS REL

An introduction to the critical study of the Hebrew Scriptures against the background of the ancient Near East, with attention to the history and religion of the Hebrew people.

REL 2240 Introduction to the New Testament (4) AS REL

An introduction to the critical study of the New Testament in the context of Christian beginnings in the first century C.E. This will include readings from the Apocrypha, other Gospels, and letters.

REL 2300 Introduction to World Religions HP SS (4) AS REL

This course is an introduction to the world's major religions. Students are exposed to myths, rituals, history, primary beliefs, leaders, and other information germane to understanding each religion. Open to majors and non-majors.

REL 2306 Contemporary World Religions HP (4) AS REL

This course will explore the unity and diversity of religious traditions in our contemporary global context in order to understand the mutual interactions between religions and cultures. Emphasis will be placed on the role of religions in shaping human values which can either create or resolve social conflicts, and the impact these values can have on issues of race, ethnicity and religious diversity in a multicultural world.

REL 3000 Ancient Religions in Context (4) AS REL

Study of the religions in their cultural setting of the peoples of the Ancient Middle East and Mediterranean.

REL 3003 Introduction to Religious Studies (4) AS REL

This course introduces students to the academic study of religion. Religious thought and behavior are examined from a variety of methodological perspectives. Restricted to majors and minors. Required for the major and the minor in Religious Studies.

REL 3014 Introduction to Major Religious Texts (3) AS REL

The course provides an introduction to the study of some of the foundational texts of selected religious traditions by focusing on reading and interpretative strategies in order to understand the central beliefs and practices presented in these texts.

REL 3101 Religion and Popular Culture SS HP (3) AS REL

An exploration and analysis of the relationship between religion and popular culture, which will include inquiry into the definition and meaning of both religion and popular culture, the impact of secularization on traditional religious systems, and the widely diverse expressions of religion in contemporary popular culture.

REL 3111 The Religious Quest in Contemporary Films 6A SS HP (4) AS REL

This course will use contemporary films such as Gandhi, Malcolm X, the Long Walk Home, the Color Purple, the Leap of Faith, the Chosen, and Grand Canyon, to explore the personal and social dimensions of religion in modern secular societies, with an emphasis on issues of racism, sexism and human liberation and reconciliation.

REL 3114 Comedy, Tragedy, and Religion 6A MW (3) AS REL

Examines the visions of life in comedy and tragedy, and relates both to Judaism, Christianity, and Zen Buddhism.

REL 3116 Religion and Contemporary American Holidays HP SS (3) AS REL

Introduces students to the academic study of religion through an exploration of issues and questions related to the character and function of holidays in contemporary America. Open to majors and non-majors.

REL 3117 Religion and Contemporary American Sports HP SS (3) AS REL

This course explores the function of sports in America. It covers the history of sports; the status of American sports; and sports as religious events. The course is open to majors and nonmajors and is not repeatable for credit.

REL 3120 Religion in America (3) AS REL

To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration; the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3131 New Religions in America (3) AS REL

A course designed to allow the student to survey the wide spectrum of contemporary sects and cults in America and learn what motivates their development.

REL 3132 Witchcraft and Paganism in America (3) AS REL

A study of contemporary witchcraft and paganism, including theories, methods, history, myths and symbols, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 3140 Religion, Culture, and Society (3) AS REL

Introductory scholarly survey of religion in its complex relationship to culture and society, including definitions and theories of religion, research methods, becoming religious, social organization, and interconnections with other social institutions. Open to non majors.

REL 3145 Women and Religion 6A (3) AS REL

Analysis of the status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them.

REL 3146 Womanist Vision in Religion MW (3) AS REL

This course examines the works of Black Womanist writers in religion for their contributions to and insights into the phenomena of religion in America and the world.

REL 3170 Religion, Ethics and Society Through Film 6A SS HP (4) AS REL

An ethical analysis of contemporary social issues through contemporary films such as Wall Street and Crimes and Misdemeanors, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3191 Life After Death MW (4) AS REL

An exploration of ideas about life after death and its relations to this life in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3280 Biblical Archaeology MW (3) AS REL

An in depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3303 Comparative Religion: Judaism and Islam MW (4) AS REL

This course is framed within the academic study of religion, and it does not concern itself with contemporary political difference in the Middle East. It treats as Islam the normative statements of the Quaran and related traditions, and as Judaism the authoritative statements of the Torah, oral and written.

REL 3308 World Religions 6A HP SS (3) AS REL

World Religions gives students an overview of the major religions of the world from their origins through the modern period. Special attention is given to the analysis of myths, rituals, history, and other features of the religions.

REL 3318 Introduction to Chinese Religion AF HP SS (3) AS REL

The course is for majors and nonmajors, and may not be repeated for credit. The course introduces the history and present state of the religious thoughts and practices in mainland China and the geographical areas in which the Chinese language is spoken.

REL 3330 Religions of South Asia AF (3) AS REL

All religions of the world came to India and all became Indian. What is this "Indianness" which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Baha'i. Readings from classical texts and modern literature.

REL 3335 Gods and Goddesses of India (3) AS REL

This course explores the ways Hindus see, speak about, and encounter the Divine through an examination of the multitude of stories about the gods and goddesses and their various physical manifestations in the sacred geography of India.

REL 3340 Buddhism Truths and Paths (3) AS REL

This course provides an historical survey of Buddhist religion from its inception through today by focusing on the life and teachings of the historical Buddha, doctrinal development, the various denominations, and canon formation.

REL 3363 Introduction to Islam HP AF (3) AS REL

This course introduces the basic elements of Islamic belief and practice, placing the rise of Islam in its historical context in the Middle East, and stressing issues of diversity (including ethnicity and gender).

REL 3367 Islam in the Modern World 6A HP AF (3) AS REL

Examines the major developments in Islamic thought since the 13th century, with emphasis on the 19th and 20th century Islamic resurgence. Issues of diversity, gender, and social values will be stressed.

REL 3375 Issues in Caribbean Religions MW (3) AS REL

This course concentrates on major social and cultural issues in Caribbean religions mainly in Cuba, Haiti, Jamaica, and Trinidad, with emphasis on African-derived religions and Western and Eastern religious encounters.

REL 3380 Native American Religions (3) AS REL

Introduction to and survey of Native American Religions. A variety of multiplicity of perspectives, including anthropological, historical, social psychological, sociological, and philosophical.

REL 3391 In Search of the Goddess AF HP SS (3) AS REL

This course explores Goddess religion/sacred Feminine, from prehistory, to the pagan Near East and Mediterranean, Western monotheistic religions, pluralistic religions of the East, and revivals of Goddess spirituality in contemporary Europe/N. America.

REL 3420 Contemporary Religious Thought (3) AS REL

An examination of the central ideas of recent religious thinkers; such as Gandhi, Martin Luther King, Jr., Elie Wiesel, Thich Nhat Hanh, Dorothy Day, Dorothee Soelle, Howard Thurman, Thomas Merton and others.

REL 3465 Religion and the Meaning of Life 6A MW (3) AS REL

What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3500 History of Christianity 6A HP (4) AS REL

Historical development of Western Christianity, its ideas and institutions, from the first century to the rise of religious modernism in the 19th century.

REL 3561 Roman Catholicism 6A MW (3) AS REL

An examination of the history, doctrine, and ethics of the Roman Catholic Church.

REL 3602 Classics of Judaism 6A MW (3) AS REL

PR: One course in Religious Studies. How to read the principal documents of Judaism beyond the Hebrew Bible, including the Mishnah, Talmuds, Midrash, and classics of philosophy, mysticism, and theology through the modern period.

REL 3607 Introduction to Judaism 6A SS HP AF (3) AS REL

An introduction to Judaism: its religious tenets; its codes of ethics; its rites and customs. This course is intended as a description of what it means to be a Jew.

REL 3611 History of Judaism (4) AS REL

A study of the evolution of the religion of ancient Israel from the Second Temple period to the end of the second century C.E., seen against the background of its historical, geographical, political, social and spiritual setting.

REL 3613 Modern Judaism 6A MW LW (3) AS REL

A study of modern Jewish life and thought in the West, including the study of beliefs, practices, institutions, major thinkers, and intellectual trends.

REL 3801 History of Writing (2) AS REL

Study, in reasonable detail, of the history and evolution of writing within its societal context. We will stress the development of writing in Mesopotamia, Egypt, and the Mediterranean World, looking at the transition from oral to written literature and its impact on religion.

REL 3900 Directed Readings (1-4) AS REL

PR: Cl. Individual guidance in concentrated reading on a selected topic.

REL 3936 Selected Topics (1-4) AS REL

Course contents depend on students' needs.

REL 4113 The Hero and Religion 6A MW (3) AS REL

A study of the way in which embedded religious models help to fashion the representation of a heroic protagonist. The focus of the course will be on the relationship between the hero and the "other," as differentiated by race, gender, ethnicity, or merely inner being.

REL 4133 Mormonism in America MW (3) AS REL

A study of Mormonism in America as an example of a new religion. Includes the study of history, myths and symbols, texts, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 4161 Religion, Technology and Society (3) AS REL

An exploration of the way in which religion and technology have interacted in Western civilization so as to both express and transform human values and identity. Special emphasis will be given to the value questions raised by modern technology.

REL 4171 Contemporary Christian Ethics 6A MW (4) AS REL

PR: Jr. standing or Cl. A survey of representative approaches to contemporary Christian ethics and their application to a number of ethical issues peculiar to personal and social life in contemporary society, with an emphasis on issues of race and gender and of violence and non-violence.

REL 4177 Comparative Religious Ethics 6A MW LW (4) AS REL

A comparative study of religious ethics emphasizing how 20th century social activists, such as Gandhi and M. L. King Jr. and eco-feminists such as Rosemary Ruether and Joanna Macy, have drawn upon and transformed traditional religious stories and spiritual practices in order to create a cross-cultural and inter-religious ethic for a multi-cultural world.

REL 4193 Comparative Mysticism (4) AS REL

A course designed to acquaint the student with the nature of mystical experience, and some of the varieties of mystical experience recorded in the writings of the mystics, East and West.

REL 4215 Ancient Israel and the Development of the Hebrew Bible 6A HP AF MW LW (3) AS REL

An exploration of the formation and composition of the Hebrew Bible in light of the religious, social, political, and historical developments in antiquity.

REL 4217 Who Wrote the Bible (Genesis-Kings) 6A MW LW (4) AS REL

A critical examination of Genesis through 2 Kings. This course focuses on the history of the formation of the text and the development of the religious traditions represented therein. Special attention will be paid to Israelite Law, Covenant Theology, and the history of the religion(s) of the Children of Israel in their Ancient Near Eastern context.

REL 4218 Women and the Bible 6A HP AF MW LW (3) AS REL

How the redactors of Genesis through 2 Kings viewed women; the role women played in the society of the time in which they are portrayed and in that of the redactors; and, an attempt to find the "women's voices," however muted, within the biblical text.

REL 4245 New Testament I: Gospels, Acts (4) AS REL

An exploration of the Gospels and Acts, including their backgrounds in Judaism and Greco-Roman religion, literary and form criticism, historical Jesus research, and the social history of earliest Christianity.

REL 4250 Jesus' Life and Teachings (4) AS REL

An examination of the various historical studies made in the quest of identifying Jesus as an historical figure. The concern is to make a reasonable assessment of who Jesus was and what he was saying to the Jews in Palestine at the beginning of the common era.

REL 4252 New Testament II: Pauline Letters (4) AS REL

An examination of the text of the thirteen "Pauline Letters" in the New Testament, comparing them with the Pauline sections of Acts, and ascertaining possible theological development of Paul and the "Pauline wing" of Christianity.

REL 4333 Hindu Texts and Contexts (3) AS REL

PR: REL 3330 or similar course focusing on Hinduism; consult instructor. An in-depth of the classical texts of the Hindu Tradition. We will examine religious, philosophical, ethical, ritual, and mythological themes presented in these texts in order to gain a deeper understanding to the larger tradition we call "Hinduism".

REL 4343 Buddhism in India, Sri Lanka, and South East Asia (4) AS REL

The life and teachings of the Buddha; the order of monks and nuns; the Buddhist Emperor Ashoka; schisms; the rise of the Great Vehicle and the philosophy of emptiness; Buddhist missions; Buddhist art and culture; Buddhism and national liberation; contemporary social and political issues.

REL 4344 Buddhism in China, Japan, and Tibet (4) AS REL

Mahayana Buddhism followed the silk routes to China and Japan, and later it crossed the Himalayas into Tibet. An overview of the variety of schools and practices of Buddhism and its adaptation by these ancient cultures.

REL 4626 Reason in Religion: Talmudic Logic MW (3) AS REL

Analyzes the modes of thought and of logical analysis of the Talmud of Babylonia; the way in which applied logic and practical reason work in a religious definition of the social order; the dialectical argument.

REL 4670 Judaism and Christianity After the Holocaust 6A MW LW (4) AS REL

This course will explore the impact of the Holocaust on Jewish and Christian thought and identity in the light of the history of religious and cultural anti-Semitism in Western civilization.

REL 4910 Undergraduate Research (1-4) AS REL

PR: Junior standing and CI. Individual investigations with faculty supervision.

REL 4911 Undergraduate Research (1-4) AS REL

PR: Junior standing and CI. Individual investigations with faculty supervision.

REL 4930 Selected Topics (3) AS REL

Course contents depend on student demand and instructor's interest and may range over the whole field of Ancient Religions. Offerings on a semi-regular basis include the Bible as History 3.

REL 4931 Seminar in Religion (3) AS REL

PR: Majors and minors only or CI A course required for Religious Studies majors and minors, whose prior religious studies have prepared them for a cooperative creative and/or research effort in the area of religion.

REL 4936 Selected Topics (1-4) AS REL

PR: Junior standing. Individual investigations with faculty supervision.

REL 4937 Selected Topics: Fall Honors Seminar (3) AS REL

PR: Acceptance into the Religious Studies Honors Program. The course content will depend upon student demand and instructor's interest.

REL 4938 Selected Topics: Spring Honors Seminar (2) AS REL

PR: Acceptance into the Religious Studies Honors Program. The course content will depend upon student demand and instructor's interest.

REL 4939 The Development of Religious Studies (4) AS REL

Course designed for senior majors and minors in religious studies. Discussion of key figures and methodological advances in the development of the field from the 18th century to present, with readings of classics in the development.

RMI 3011 Principles of Insurance (3) BA FIN

Analysis of insurable risks of both businesses and individuals. An examination of the characteristics of those areas of risk and uncertainty where the mechanisms of insurance are effective alternatives. The concept, contracts, and institutions involved in insurance are examined in relation to the socio-economic environment.

RMI 4115 Life, Health, And Disability Insurance (3) BA FIN

PR: QMB 3200, RMI 3011. The course will analyze the use of life, health, and disability insurance contracts as a method of dealing with the financial risks of death, sickness, and disability. It will include an analysis of cost determination of the various types of coverage.

RMI 4210 Property Insurance (3) BA FIN

PR: RMI 3011. Course dealing with recognition of personal and business property risks, and coverage that can be used in dealing with these risks. Considers the underwriting, marketing, and social problems associated with these coverages. Topics include commercial and residential fire insurance, inland marine and transportation coverages, and multiperil contracts. Not limited to Finance majors.

RMI 4220 Casualty Insurance (3) BA FIN

PR: RMI 3011. Course dealing with recognition of personal and business casualty risks and coverages that can be used in dealing with these risks. Considers the underwriting, marketing, and social problems associated with these coverages. Topics include workmen's compensation, public liability, auto liability, suretyship, and crime insurances. Not limited to Finance majors.

RTV 2100 Writing For Radio and TV (3) AS COM

PR: CRW 2100 or ENC 3310 and RTV 3001. The art and practice of script planning and writing for radio and television and for corporate videos.

RTV 3001 Introduction to Telecommunications (3) AS COM

PR: MMC 2100 and MMC 3602. A survey of the organization, structure, and function of the broadcasting industry.

RTV 3301 Broadcast News (4) AS COM

PR: MMC 2100 and MMC 3602. Methods in gathering, writing, and editing newscasts for radio and television.

RTV 3941 Radio Practicum (1) AS COM

PR: RTV 3001 and CI. For telecommunications sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

RTV 4220 TV Production and Direction (3) AS COM

PR: RTV 3001 and RTV 3301. A basic course in the techniques of producing and directing TV programs. Restricted to majors only.

RTV 4304 TV News (3) AS COM

PR: RTV 4320. Advanced television reporting, integrating broadcast news writing, ENG production and television performance.

RTV 4320 Electronic Field Production (3) AS COM

PR: RTV 3001 and RTV 3301. Advanced producing, scripting, lighting, camera, and editing for video and news production. Introduction to computer editing and graphics.

RTV 4500 Telecommunications Programming and Management (3) AS COM

PR: RTV 3001. Program and management concepts, resources, costs, selection, and scheduling. Analysis of programming and management in terms of structures, appeals and strengths.

RTV 4942 TV Practicum (1) AS COM

PR: RTV 4220 and CI. For telecommunications sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

RUS 1120 Beginning Russian I (4) AS WLE

CR: RUS 1120L. The first course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1120L Beginning Russian I Laboratory (1) AS WLE

CR: RUS 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

RUS 1121 Beginning Russian II (4) AS WLE

PR: RUS 1120 or CI. CR: RUS 1121L. The second course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1121L Beginning Russian II Laboratory (1) AS WLE

CR: RUS 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

RUS 2220 Russian III (4) AS WLE

PR: First year Russian or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2221 Russian IV (4) AS WLE

PR: RUS 2220 or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2270 Overseas Study (1-6) AS WLE

Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian around Moscow and other parts of Russia.

RUS 3240 Conversation I (4) AS WLE

PR: Second year Russian or equivalent. Development of basic conversational skills.

RUS 3470 Overseas Study (1-6) AS WLE

Must be enrolled in the USF Summer Study in Moscow program. Two years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 3500 Russian Civilization 6A MW (3) AS WLE

A survey of the cultural history of Russia.

RUS 4241 Conversation II (4) AS WLE

PR: Previous course in series or equivalent. Development of conversational skills.

RUS 4402 Advanced Russian Conversation & Composition I (4) AS WLE

PR: RUS 4241 or CI. Third year Russian.

RUS 4403 Advanced Russian Conversation & Composition II (4) AS WLE

PR: RUS 4241 or CI. Third year Russian.

RUS 4471 Advanced Overseas Study (1-6) AS WLE

Must be enrolled in the USF Summer Study in Moscow program. Three years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 4900 Selected Topics (1-3) AS WLE

Study of an author, movement or theme.

RUS 4905 Directed Study (1-3) AS WLE

Departmental approval required.

RUT 3110 Russian Classics in English 6A MW LW (3) AS WLE

Masterpieces of 19th century Russian literature in English. the major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.

RUT 3111 Twentieth-Century Russian Literature in English 6A MW LW (3) AS WLE

Masterpieces of 20th century Soviet literature in English. the major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitzyn. Elective for all students in all departments.

SCE 4305 Communication Skills in the Science Classroom (3) ED EDN

Reading and communication skills important in understanding scientific and science education literature and communicating findings to others.

SCE 4310 Teaching Elementary School Science (3) ED EDE

PR: Admission to College of Education and completion of General Distribution Requirements in the Natural Science area. Techniques and materials for teaching science in the elementary school.

SCE 4320 Teaching Methods in Middle Grade Science (3) ED EDN

PR: Completion of 25 semester hours of Science or CC. Not designed for high school certification purposes. Survey techniques and materials unique to science, grades 5-9.

SCE 4330 Teaching Methods in the Secondary School-Sciences (3) ED EDN

PR: Completion of 26 hours in approved science areas, EDG 4620 or CP, and CC. Techniques and materials of instruction in secondary school sciences.

SCE 4863 Science, Technology, Society Interaction 6A MW (4) ED EDN

Achieve an historical and philosophical understanding of (1) the nature of the scientific enterprise: interaction of science, technology, and society (STS), (2) how to teach STS including the use of computers and related technologies, and (3) intricacies of sample STS topics.

SCE 4936 Senior Seminar in Science Education (1-3) ED EDN

PR: Senior standing; CR: SCE 4940. Synthesis of teacher candidate's courses in complete college program.

SCE 4940 Internship: Science Education (1-12) ED EDN

CR: SCE 4936. One full semester of internship in a public or private school.

SCE 5325 Methods of Middle Grades Science Education (3) ED EDN

PR: 18 sem hrs in science, meeting FL content standards for mid grades general science. Prepare 5-9 sci teachers to tch sci skills, content; interrelationship, applications of sci as a human endeavor; nature of sci; instructional methods; nature scientific inquiry; development of sci process skills; integration of subj areas; & assessment.

SCE 5337 Methods of Secondary Science Education (3) ED EDN

Course concentrates on goals, subject matter teaching strategies for high school curricula; assessment and using data to improve student achievement; and development pedagogical content knowledge as it pertains to the teaching and learning of science.

SCE 5564 Reading and Communication in Science Education (3) ED EDN

This course prepares secondary science teachers to teach literacy practices in science. It includes methods for selecting appropriate reading and language approaches. Communication in science and functional aspects of scientific literacy are examined.

SCE 5937 Selected Topics in Science Education (1-4) ED EDN

SLS 1101 The University Experience (1-2) US DEA

PR: Freshman only. An extended introduction to USF. Topics include purposes of higher education, structure and function of USF, career planning, selecting a major, study skills, managing time, academic advising, computer resources, and decision-making.

SLS 2260 Leadership Fundamentals (3) US STL

Covers a broad range of leadership topics from self-development and understanding of self, to group behavior, organizational design, ethics and teamwork. The potential of every individual to develop effective leadership skills is examined.

SLS 2401 Career Development Process (2) US DEA

Students will study vocational choice theories and participate in career decision processes. Development of self-awareness and knowledge of career opportunities and requirements necessary for decision making. Available to lower level majors or non-majors.

SLS 3930 Selected Topics in Student Leadership (1-4) US STL

Course content will depend upon the interest of the faculty member and student demand.

SLS 3948 Community Leadership Practicum (3) US STL

PR: SLS 2260, PR: SLS 4272. This course involves the transference of leadership theories into practice. It provides a practical forum for students to examine and develop personal leadership skills.

SLS 4271 Organizational Theories and Processes (3) US STL

PR: SLS 2260 and SLS 4272. Participants will delve into the nature of organizational dynamics, they will utilize concepts, generalizations, theories, and frames of reference to analyze organizations and leadership to understand and improve their function.

SLS 4272 Survey of Leadership Readings (3) US STL

PR: SLS 2260. Survey of historical and contemporary writings on leadership skills and practices. Examines the contextual manner in which the leader functions.

SLS 4273 Theories of Leadership HP (3) US STL

PR: SLS 2260, PR: SLS 4272. Focuses on historical and modern views of leadership. It is designed to assist students analyzing and understanding the historical, social, political aspects of leadership theories and styles as well as the application of leadership theories in settings.

SLS 4274 Ethics and Power in Leadership (3) US STL

PR: SLS 2260, SLS 4272. Course reviews arguments for ethics in leadership as proposed by both contemporary and ancient leadership theories. It also examines theories of power and authority, and seeks answers to the apparent dilemmas through applied moral theory and psychology.

SLS 4276 Images of Leadership in Print and Film (3) US STL

PR: SLS 2260, PR: SLS 4272. This course examines the historical development of leadership theory through contemporary times. Surveys literature and other media relevant to role of the leader and to the development and application of leadership skills.

SOP 3742 Psychology of Women SS (3) AS WST

An examination of theories of female personality in historical perspective. Current research on sex differences, socialization, sexuality, psychology of reproduction. Emerging roles of women as related to social change and developmental tasks of the life cycle.

SOP 4004 Social Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of an individual's behavior as it is affected by others.

SOP 4330 Social Psychology of HIV/AIDS (3) AS PSY

PR: PSY 2012, PSY 3017, PSY 3213 Students study social psychology theory and research while working at an AIDS service organization. They use the research as a framework for understanding, and developing solutions to, problems confronting the organization's staff and clients.

SOP 4514 The Holocaust, Social Prejudice, and Morality (3) AS PSY

PR: PSY 2012. Examines the Holocaust from social, psychological, and communication/language perspectives. Reviews root causes of prejudice, the manifestations of hatred in language, relationships, and the ultimate impacts on victims and survivors and rescuers.

SOP 4714C Environmental Psychology (3) AS PSY

PR: PSY 3213 with a grade of C or better or CI. Explores the influences of environment on behavior. Topics considered include crowding, privacy, territorial behavior, environmental design, and pollution effects. Designed for both psychology majors and non-majors.

SOW 3101 Human Behavior and the Social Environment I (4) AS SOK

PR: All provisional major courses. Restricted to full Social Work majors, others by School permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals, and families.

SOW 3102 Human Behavior And The Social Environment II (3) AS SOK

PR: SOW 3101, SOW 4341, SOW 4522. Restricted to Full Social Work majors, others by School permission. An integrating course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with families, groups, organizations and communities.

SOW 3203 Introduction to Social Work (3) AS SOK

An introductory course tracing the development of social work as a profession including an examination of the knowledge, skill and attitudinal base of the profession and professional roles and functions.

SOW 3210 The American Social Welfare System SS (3) AS SOK

A general education introductory course which provides students with a framework for understanding the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.

SOW 3401 Research and Statistics For Social Work (3) AS SOK

PR: SOW 3101, SOW 4343, SOW 4522. Restricted to Full Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with research as it is practiced in the profession of Social Work; and to equip the student with those theoretical understandings necessary to be a critical consumer of social work research.

SOW 4233 Social Welfare: Policy & Program (3) AS SOK

PR: All provisional major courses, SOW 3101, SOW 3401, SOW 4341, SOW 4522, SOW 3102, SOW 4343. CR: SOW 4510, SOW 4510L. Restricted to full Social Work majors, others by School permission. An advanced policy course taking an analytical approach to contemporary social welfare policy issues and current social welfare programs.

SOW 4341 Multi-Methods of Social Work Practice I: Micro-System Intervention (5) AS SOK

PR or CR: SOW 3101; SOW 4522. All provisional major courses. Restricted to full Social Work majors; others by School permission. First practice course emphasizing development of skills and interventive methods with individuals, families and small groups. Course includes both didactic and experiential learning components.

SOW 4343 Multi-Methods of Social Work Practice II: Macro-System Intervention (5) AS SOK

PR: All provisional major courses, SOW 3101, SOW 4522, SOW 4341; must be taken as PR. CR: SOW 3401, and SOW 3102. Restricted to full Social Work majors, others by School permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 4341. Course includes both didactic and experiential learning components.

SOW 4510 Integrative Seminar (3) AS SOK

PR: SOW 3302, SOW 3210, SOW 3101, SOW 3401, SOW 4341, SOW 3102, SOW 4343, SOW 4522. CR: SOW 4233, SOW 4510L. Restricted to full Social Work majors in senior year. Integrates content and theory from core classes with practice experiences students are having in field placement.

SOW 4510L Field Placement (6) AS SOK

PR: SOW 3302, SOW 3210, SOW 3101, SOW 3401, SOW 4341, SOW 3102, SOW 4522, SOW 4343. CR: SOW 4233, SOW 4510. S/U only. Supervised field placement in a social welfare organization consisting of 32 hours per week in the field with a total of 480 clock hours per semester.

SOW 4522 Multicultural America (3) AS SOK

PR: All provisional major courses. The course focuses on the students' understanding of multicultural and intergenerational issues.

SOW 4900 Directed Readings (1-9) AS SOK

PR: Completion of four social work courses including SOW 3401, upper level standing, and School permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed.

SOW 4910 Directed Research (1-6) AS SOK

PR: Completion of four social work courses including SOW 3401, upper level standing and school permission. Majors only. Directed Research is intended to provide students with research experience in areas of specific interest in social work. A contract will be developed between student and instructor specifying nature of work to be completed.

SOW 4930 Variable Topics in Social Work (1-3) AS SOK

Restricted to Social Work majors; others by School permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student's educational interest.

SOW 5930C Selected Topics in Social Work (1-4) AS SOK

PR: CC. Restricted to Social Work majors, both graduate and undergraduate; other by School permission. Course is taken as an elective. Various title course will selectively expand specific social work content areas.

SPA 2612C Basic American Sign Language (4) AS CSD

PR: DPR. Introduction to American Sign Language (ASL) as used in the deaf community. General discussion of ASL structure and introduction to various manual communication systems and philosophies. Emphasis on building a basic vocabulary. One hour of laboratory course work is included. Open to all majors.

SPA 2613C Intermediate American Sign Language (4) AS CSD

PR: SPA 2612C, DPR. A continuation of the basic course which expands the student's signing skills and introduces American Sign Language (ASL) idioms. Provides a greater opportunity for skill development in ASL structure and idiomatic usage. One hour of laboratory course work is included.

SPA 3002 Introduction to Disorders of Speech and Language SS (3) AS CSD

PR: Junior standing and DPR. The scope of speech-language pathology as a profession and a field of study. An introduction to speech and language disorders, etiologies, major treatment approaches, and research findings.

SPA 3004 Introduction to Language Development and Disorders (3) AS CSD

PR: SPA 3002, SPA 3112 or DPR. This course introduces theoretical concepts and research findings concerning the normal developmental process of language learning as a basis for differentiating developmental delay or disorder of language.

SPA 3011 Introduction to Speech Science (3) AS CSD

PR: SPA 3030, SPA 3101 and SPA 3112. Concentrated study of the acoustic, physiological and perceptual aspects of sound as related to normal and pathological speech communication. Introduction to instrumentation and measurement procedures.

SPA 3030 Introduction to Hearing Science (3) AS CSD

PR: Junior standing, SPA 3101, SPA 3112, SPA 3310. Introduction to the field of hearing including: physics of sound, auditory anatomy and physiology, and psychophysics of hearing.

SPA 3101 Anatomy and Physiology of the Speech and Hearing Mechanism (3) AS CSD

PR: Junior standing. The neurological and anatomical basis of communication disorders. Comparisons of normal and pathological organic structures and their functional dynamics.

SPA 3112 Applied Phonetics in Communication Disorders (3) AS CSD

PR: Junior standing. Introduction to phonetic analysis of normal and disordered speech, including extensive training in transcription using the International Phonetic Alphabet.

SPA 3310 Introduction to Disorders of Hearing (3) AS CSD

PR: SPA 3030 and SPA 3101. The etiology, pathology, and management of disorders of the outer ear, middle ear, inner ear, retrocochlear, and central auditory systems.

SPA 3633 American Deaf Culture (3) AS CSD

PR: SPA 4614C. An overview to American Deaf Culture, including its norms, values and belief systems. This course will also provide insight to deaf history in North America, and the importance of ASL to the culturally Deaf community.

SPA 3650 Fundamentals of Interpreting (3) AS CSD

PR: SPA 4615C. An overview of the profession of interpreting, its standards and settings is provided. It provides a basic practical experience component of interpreting and transliterating skills.

SPA 3653 Overview of Language Learning in Deaf Children (3) AS CSD

PR: Admission to ITT Program. CR: SPA 3653L. This course is restricted to majors only. Overview of language development of deaf children from infancy through young adulthood, including various theories of language development in the deaf and communication/language of the deaf assessment techniques, and interpreting skills relating to learning processes.

SPA 3653L Overview of Language Learning in Deaf Children Lab (1) AS CSD

PR: Admission to ITT Program. CR: SPA 3653. This course is restricted to majors only. An exploration and overview of communication modes and language used in public school settings by deaf children. Includes a study of how systems overlap and a development of flexibility in using different modes and languages, and the implications for interpreters.

SPA 3664 Language and Cognitive Processing Skills in English (4) AS CSD

PR: SPA 4615C; CR: SPA 3665. Students develop the cognitive processing and language skills within English that are preliminary steps for interpretation. It will develop student's ability to segment information to perform various cognitive tasks intralingually. For Majors only.

SPA 3665 Language and Cognitive Skills in ASL (4) AS CSD

PR: SPA 4615C; CR: SPA 3664. Students acquire cognitive processing and language development within ASL that are preliminary steps for performing simultaneous interpretation. This course also includes a service component by volunteering in various deaf communities. For majors only.

SPA 3666 Translation from English and from ASL (3) AS CSD

PR: SPA 3664, SPA 3665. A course of intralingual language exercises that introduces students to and provides practice in techniques of rephrasing and restructuring meaning in ASL and in English. For majors only.

SPA 3673 Introduction to Auditory Functions (3) AS CSD

PR: Admission to ITT Program. This course is restricted to majors. An overview of hearing science and speech science relating to the educational environment. This course orients the student to the variables extent in oral-aural communication among children who have hearing impairment. It addresses techniques and methods of hearing measurement and amplification of sound as well as the interpreter's role in audiological evaluation and speech language therapy.

SPA 4000 Communication Disorders in the Public Schools (3) AS CSD

PR: DPR. (Non-major course only). An examination of the speech, language and hearing problems affecting school-age children and the classroom teacher's role in the detection, prevention and amelioration of communication disorders.

SPA 4050 Introduction to the Clinical Process MW (3) AS CSD

PR: SPA 3004 and SPA 3310. Observation and participation in speech-language pathology and audiology practicum in the University clinical laboratory. Ethical issues, multicultural concerns, and creativity are stressed through clinical and practical projects.

SPA 4201 Phonological Development and Disorders (3) AS CSD

PR: SPA 3004, SPA 3011. An examination of normal and deviant articulatory and phonological acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 4210 Vocal Disorders (3) AS CSD

PR: SPA 3011 and SPA 3310. A comprehensive study of the medical and physical aspects of voice disorders. Differential diagnosis, principles of therapeutic intervention, and procedures for children and adults will be stressed.

SPA 4222 Fluency Disorders (3) AS CSD

PR: SPA 4201. A comprehensive study of disfluent speech behavior. Differential diagnosis, principles of therapeutic intervention, and procedures for children and adults will be studied. Major theories and models of the development and origin of stuttering are also presented.

SPA 4335 Sign Language Codes (3) AS CSD

PR: DPR. A review of the sign systems (SEE I, SEE II, L.O.V.E., and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

SPA 4555 Counseling of Communicatively Handicapped and Family (3) AS CSD

PR: SPA 3011 and SPA 3310. Discussion of role of counseling in the treatment of communication disorders. Based on exploration of theoretical constructs, this course demonstrates application of therapeutic methodologies to reduction of communication handicaps.

SPA 4614C Advanced American Sign Language (4) AS CSD

PR: SPA 2613C, DPR. A continuation of the study of American Sign Language (ASL) at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. An hour of laboratory course work is included.

SPA 4615C American Sign Language 4 (4) AS CSD

PR: SPA 4614C. This course is a continuation of the study of American Sign Language (ASL) at the highly advanced level. It provides added emphasis on skill development of the language, including storytelling and poetry. One-hour laboratory course work is included.

SPA 4617C Structure of Sign Language (4) AS CSD

PR: SPA 2612C and SPA 2613C. This course is a basic introduction of semiotic and linguistic consideration of American Sign Language (ASL). It includes aspects of phonology, morphology, syntax, semantics, and discourse of ASL. A one-hour laboratory is incorporated into the coursework.

SPA 4624 Sign Language Codes (3) AS CSD

PR: CI. A review of the sign systems (SEE I, SEE II, LOVE, and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

SPA 4626 Fundamentals of Fingerspelling (2) AS CSD

PR: DPR. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

SPA 4632 Nature and Needs of the Deaf and Hard of Hearing (3) AS CSD

A study of the effects of auditory disorders upon the organization and expression of behavioral patterns as they relate to motivation, adjustment and personality.

SPA 4654 ASL to English Consecutive Interpretation (2) AS CSD

PR: SPA 3650, SPA 3666; CR: SPA 4655. Students consecutively interpret conversational discourse of planned and unplanned conversational language samples from ASL to English with delays of a few seconds after the source utterance is finished. For majors only.

SPA 4655 English to ASL Consecutive Interpretation (2) AS CSD

PR: SPA 3650, SPA 3666; CR: SPA 4654. Students consecutively interpret conversational discourse from English to ASL with delays from conversational language samples of various lengths ranging from single utterances to discourse units of several minutes duration. For majors only.

SPA 4656 Simultaneous Interpretation Monologic (4) AS CSD

PR: SPA 3650, SPA 3666. Students simultaneously interpret monologic talk from ASL and from English with target language beginning before the conclusion of the source utterance and continuing as the student listens to the continuing source utterance. For majors only.

SPA 4658 Simultaneous Interpretation Dialogic (4) AS CSD

PR: SPA 4656. Students interpret dialogues from ASL to English and from English to ASL with the target language production beginning before the conclusion of the source utterance and continuing as the student listens to the continuing source utterance. For majors only.

SPA 4685 Practicum: Interpreting in the Schools (1-8) AS CSD

This course provides practice sessions in school settings under supervision of an experienced interpreter and course instructor. Each practicum student will shadow an interpreter, and participate in discussion about the overall performance.

SPA 4685 Practicum: Interpreting in Schools (1-8) AS CSD

This course is restricted to ITT majors. This course provides practice sessions in school settings under supervision of an experienced interpreter and course instructor. Each practicum student will shadow an interpreter, and participate in discussion about the overall performance.

SPA 4691 Senior Seminar in Interpreter Training (3) AS CSD

PR: SPA 4656. Students expand upon previously learned topics and discuss factors that will affect their profession. Topics include: professional organization, certification, ethics and discuss best practices and will produce a professional portfolio. For majors only.

SPA 4906 Independent Study (1-10) AS CSD

Indep. Study will allow UG students to work independently under the supervision of Faculty members in the pursuit of content gained independently. The course is repeatable for a total of 10 credits. Majors only.

SPA 4910 Directed Research (1-10) AS CSD

Directed Research will allow the UG student to obtain supervised research experience under the direction of a Faculty member. The course is repeatable for a total of 10 credits. Majors only.

SPA 4930 Selected Topics (1-6) AS CSD

PR: DPR. Intensive study of topics in Speech-Language Pathology, Audiology, and/or Aural Rehabilitation conducted under the supervision of a faculty member.

SPA 4962 Undergraduate Comprehensive Examination (1) AS CSD

PR: SPA 4656. This purpose of this course is to ensure that graduates from ITT are thoroughly prepared for entry into the job market. For majors only and repeatable if necessary. It consists of 2 parts: individual meetings with an advisor and a comprehensive exam.

SPA 4970 Honors Thesis (1-10) AS CSD

The student, under the supervision of a Faculty member will formalize, conduct, analyze and report in writing a research project in the Department of Communication Sciences and Disorders. The course is repeatable for a total of 10 credits. Majors only.

SPA 5120 Psychoacoustics (3) AS CSD

Relationship between physical auditory stimuli and psychological response. Human perception of intensity, loudness, frequency, and pitch. Impact of cochlear hearing loss and age on auditory perception. Measurement of auditory perception.

SPA 5132 Instrumentation (3) AS CSD

PR: SPA 5120, SPA 6930, SPA 5506. Instruction in the use of clinical and laboratory instrumentation. Emphasis placed on electronic circuitry, signal generation, filtering, and calibration. Hands-on experience with equipment typically used in clinical auditory research will be provided.

SPA 5133C Speech Science Instrumentation (3) AS CSD

PR: DPR or SPA 3011 or equivalent. Underlying principles and laboratory exercises in the use of audio recording, acoustic analysis, and clinical instrumentation.

SPA 5153 Quantitative Problem Solving in Speech Pathology and Audiology (2) AS CSD

Fundamental mathematical and statistical concepts; meaningful, practical, and interesting presentation. Students get a solid foundation in the mathematical and statistical concepts in CSD and apply those concepts to solve practical or clinical problems.

SPA 5204 Advanced Clinical Phonology (3) AS CSD

The principles of generative phonology will be applied to the assessment and treatment of phonological disorders. Emphasis is placed on making a child's phonology more functional for communication purposes.

SPA 5303 Auditory Anatomy and Physiology (3) AS CSD

Provide a comprehensive understanding of the physiological acoustics of the auditory periphery, neuroanatomy and electrophysiology of the central auditory system, and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD

PR: DPR. The study of behavioral and electro physiologic clinical tests designed to assess the functions of the peripheral and the central auditory system. Tests that incorporate nonspeech stimuli and those that utilize speech stimuli will be included.

SPA 5328 Rehabilitative Audiology for Adults (3) AS CSD

PR: DPR. Assess and manage persons with hearing loss. Effects of hearing impairment, assessment issues, and appropriate intervention strategies. Prosthetic intervention, perceptual intervention, communication strategies intervention, and counseling issues.

SPA 5403 Language-Learning in the School-Age Years (3) AS CSD

PR: SPA 4201 and DPR. Metalinguistic and metacognitive development are linked to the interactional demands of classroom and clinical discourse; observational tools are applied to evaluation and intervention planning.

SPA 5506 Speech-Language Pathology and Audiology Practicum (1-8) AS CSD

PR: DPR. Participation in speech-language pathology and audiology practicum in the University Communication Disorders Center and selected field settings.

SPA 5552 Diagnostic Principles and Practices (3) AS CSD

PR: Admission to the graduate program or DPR. The administration, evaluation, and reporting of diagnostic tests and procedures used in assessment of speech and language disorders.

SPC 2541 Persuasion SS (3) AS SPE

Examines the role of persuasion in public and social life. Students will be introduced to key concepts and theories of persuasion from a variety of historical and contemporary perspectives. Students will use these concepts to create, analyze, and respond to persuasive messages.

SPC 2600 Public Speaking SS (3) AS SPE

The nature and basic principles of human communication; emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experience in public discourse.

SPC 3212 Communication Theory (3) AS SPE

PR: SPC 2600 and COM 2000 each with a C or above or CI. The study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.

SPC 3230 Rhetorical Theory HP (3) AS SPE

PR: SPC 2600 and COM 2000 each with a C or above or CI. This course surveys the foundations and historical evolution of major concepts, issues, theorists, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

SPC 3301 Interpersonal Communication SS (3) AS SPE

A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication.

SPC 3425 Group Communication 6A (3) AS SPE

PR: SPC 2600 and COM 2000 each with a C or above or CI. A survey of theory and research in group communication. Group discussions and communication exercises to increase awareness of the dynamics of human communication in small group settings.

SPC 3513 Argumentation and Debate (3) AS SPE

PR: Junior standing or CI. Study of principles of argumentation as applied in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

SPC 3602 Advanced Public Speaking (3) AS SPE

PR: SPC 2600 and COM 2000 each with a C or above or CI. Study and application of communication strategies in speaking extemporaneously and from manuscript. The course includes study of selected public addresses as aids to increased understanding of speaking skills.

SPC 3631 Rhetoric of the Sixties HP (3) AS SPE

Survey of the rhetorics associated with the civil rights movement, the Great Society, the anti-Vietnam War movement, the counterculture, the black power movement, and the women's movement.

SPC 3653 Popular Forms of Public Communication (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Analysis of public communication with emphasis on various presentational forms.

SPC 3680 Rhetorical Analysis (3) AS SPE

PR: SPC 2600 and COM 2000 each with a C or above or CI. This course introduces students to fundamentals of message analysis. Student examines persuasive strategies and language in oral and written discourse.

SPC 3710 Communication and Cultural Diversity SS (3) AS SPE

Examination of communication and cultural diversity within the United States. Cultural groups include gender, racial and ethnic (e.g., African American, Latino American, Asian American), social class, age and generation, religious (e.g. Jewish) and physical ability.

SPC 4201 Oral Tradition MW (3) AS SPE

Study of orality, its forms, functions, and transformations, in traditional and literate societies from folkloric and psychological traditions and from contemporary communication and cultural studies perspectives.

SPC 4305 Communicating Emotions 6A (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Study of emotional experience, what emotions mean to us, how we talk about them, and the ways group and cultural membership influence them. Focus on attachment and loss in romantic, family and group relationships.

SPC 4310 Relationships on Film (3) AS SPE

PR: COM 2000 with C or above or consent of instructor (CI). Examination of the ways in which cinema inscribes conceptions and meanings of romance, love, intimacy and sexuality. Focus on systems of interpretation fostered by cinema representations of intimacy, sexuality, emotional, subjectivity, and betrayal.

SPC 4431 Family Communication (3) AS SPE

PR: SPC 3301 or COM 2000 with a C or above or CI. Examines the processes and functions of communication in family relationships. Examination of scholarly and popular literature on family structure, family systems, family development, and family stories. Analysis of families in fiction and cinema.

SPC 4632 Rhetoric and Social Change 6A MW (3) AS SPE

PR: SPC 3230 or SPC 3681. This course examines how social change is symbolized and motivated in the rhetorics of institutions, campaigns, social movements and individuals.

SPC 4683 Rhetorical Analysis of Mass Media (3) AS SPE

PR: SPC 3230 or SPC 3680, SPC 2600 and COM 2000 each with a C or above or CI. An introduction to the criticism of media forms and effects. Contemporary perspectives of the aesthetic and persuasive dimensions of mass media are examined. Students will engage in critical study of media artifacts.

SPC 4714 Communication, Culture and Community MW (3) AS SPE

Examines the relationships among culture, communication, institutions, and public and private life. Students explore the possibilities and problems of contemporary forms of community through service in a volunteer organization.

SPC 4900 Directed Readings (1-3) AS SPE

PR: Senior standing, COM 2000, a minimum GPA of 2.5, 15 hours of core requirements and 9 elective hours completed, and/or CI. Individualized reading with professor to complement undergraduate research projects.

SPC 4903 Honors Readings (3) AS SPE

PR: Admission to Communication Honors Program, COM 2000 AND SPC 2600 with grades of C or better. Focused readings directed toward preparation of a proposal for an undergraduate honors thesis.

SPC 4905 Undergraduate Research (1-3) AS SPE

PR: Senior standing, COM 2000, a minimum GPA of 2.5, 15 hours of core requirements and 9 elective hours completed, and/or CI. Individual investigations with faculty supervision.

SPC 4930 Selected Topics (1-3) AS SPE

PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. Variable topics.

SPC 4932 Senior Seminar in Communication (3) AS SPE

PR: Senior standing, COM 2000, a minimum GPA of 2.5, 15 hours of core requirements and 9 elective hours completed, and/or CI. Exploration of selected topics of current significance to the several areas of communication through group discussion and research.

SPC 4970 Honors Thesis (3) AS SPE

PR: Admission to Communication Honors Program. Involves individual research and preparation of an undergraduate honors thesis.

SPC 5238 Topics in Rhetorical Analysis (3) AS SPE

Introduces a variety of critical perspectives applied to rhetoric in specialized contexts. Topics vary depending upon interest of students and faculty.

SPC 5930 Topics in Discourse (3) AS SPE

Variable topics course.

SPM 3256 Sport in Society: Contemporary Issues (3) ED EDP

A study of organized sport in society. Individuals will be able to understand issues such as race, social class, gender, politics, religion, economics, media, physical disabilities, sexual orientation, and ethics as they relate to sports.

SPN 1120 Beginning Spanish I (4) AS WLE

CR: SPN 1120L. Not open to native or near-native speakers of Spanish. Development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 1120L Beginning Spanish I Laboratory (1) AS WLE

CR: SPN 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

SPN 1121 Beginning Spanish II (4) AS WLE

PR: SPN 1120 or equivalent. CR: SPN 1121L. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 1121L Beginning Spanish II Laboratory (1) AS WLE

CR: SPN 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

SPN 1130 Accelerated Spanish For Near-Native Speakers and Others (1-6) AS WLE

PR: CI. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.

SPN 2200 Spanish III (3) AS WLE

PR: SPN 1121 or equivalent. May NOT be taken concurrently with SPN 2201. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2201 Spanish IV (3) AS WLE

PR: SPN 2200 or equivalent. May NOT be taken concurrently with SPN 2200. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2240 Conversation I (3) AS WLE

PR: SPN 2201. Not open to native or near-native speakers of Spanish. For development of basic conversational skills.

SPN 2241 Conversation II (3) AS WLE

PR: SPN 2240 or equivalent. Not open to native or near-native speakers of Spanish. To improve fluency in spoken Spanish.

SPN 2270 Overseas Study (1-6) AS WLE

PR: SPN 1121. Prior departmental approval and early registration are required. An intensive study-travel program in a Spanish-speaking country.

SPN 2340 Advanced Spanish for Native Speakers I (3) AS WLE

PR: Native and near-native oral/aural proficiency. May not count as Spanish major elective. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on cultural exploration and the grammatical problems of such speakers.

SPN 2341 Advanced Spanish for Native Speakers II (3) AS WLE

PR: SPN 2340. May not count as Spanish major elective. Continuation of SPN 2340. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but with limited or no training in the language. Emphasis on grammar problems affecting such speakers.

SPN 3300 Advanced Spanish Grammar and Composition (3) AS WLE

PR: SPN 2201 or equivalent. Not open to native or near-native speakers of Spanish. A study of syntax, grammar and writing.

SPN 3440 Spanish for Business and International Trade I (3) AS WLE

PR: SPN 2201 or equivalent. A study of vocabulary and business practices of the Spanish speaking world. Overview of cultural differences within the Spanish speaking world, with emphasis on their impact on business and international trade.

SPN 3441 Spanish for Business and International Trade II (3) AS WLE

PR: SPN 3440 or equivalent. Open to Spanish and Business majors and minors. Continuation of SPN 3440. A study of vocabulary and business practices of the Spanish speaking world. Overview of cultural differences within the Spanish speaking world, with emphasis on their impact on business and international trade.

SPN 3500 Spanish Civilization (3) AS WLE

PR: SPN 2201 or equivalent. The culture and civilization of Spain. For majors and non-majors.

SPN 3520 Spanish American Civilization (3) AS WLE

PR: SPN 2201 or equivalent. Readings and discussions on the culture and civilization of Spanish America. For majors and non-majors.

SPN 4301 Expository Writing (3) AS WLE

PR: SPN 3300 or SPN 2340. Practical training in contemporary Spanish structure, usage and stylistic devices.

SPN 4410 Advanced Conversation (3) AS WLE

PR: SPN 2241 or equivalent. Not open to native or near-native speakers of Spanish. Intensive practice in the formulation and expression of ideas in standard Spanish.

SPN 4470 Advanced Overseas Study (1-6) AS WLE

PR: SPN 2270. Departmental approval required. Intensive language study in Spain.

SPN 4700 Spanish Linguistics (3) AS WLE

PR: LIN 3010 or equivalent (may be taken concurrently with CI) and SPN 2201 or equivalent. An introduction to Hispanic linguistics: Phonology, morphology, syntax, and lexicography.

SPN 5525 Modern Spanish American Civilization (3) AS WLE

PR: SPN 3520 or equivalent or graduate standing. Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends. Text and discussion in Spanish.

SPN 5567 Modern Spanish Civilization (3) AS WLE

PR: SPN 3500 or equivalent or graduate standing. Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and political trends. Texts and discussions in Spanish.

SPT 3520 Spanish American Civilization (3) AS WLE

Readings and discussions on the culture and civilization of Spanish America. For majors and non-majors.

SPW 3030 Introduction to Hispanic Literary Studies (3) AS WLE

PR: SPN 3300 or SPN 2340. Prose fiction, drama, poetry, and essay; techniques of literary analysis.

SPW 4100 Survey of Spanish Literature I (3) AS WLE

PR: SPW 3030 or equivalent. A study of Spanish literature from its origins through the 17th century.

SPW 4101 Survey of Spanish Literature II (3) AS WLE

PR: SPW 3030 or equivalent. A study of the later periods of Spanish literature.

SPW 4130 Survey of Spanish American Literature I AF (3) AS WLE

PR: SPW 3030 or equivalent. Introduction to the study of Spanish American literature from the Discovery to the Romantic period. Emphasis will be on foundational writers of history, descriptive and lyric poetry, theater, fiction and essay.

SPW 4131 Survey of Spanish-American Literature II (3) AS WLE

PR: SPW 3030 or equivalent. An introduction to the study of Spanish-American literature from the Modernism period to the present. Emphasis on modern writers since Dario.

SPW 4900 Directed Study (1-3) AS WLE

Departmental approval required.

SPW 4930 Selected Topics (1-3) AS WLE

Study of an author, movement or theme.

SPW 5135 Colonial Spanish American Literature (3) AS WLE

PR: SPW 4131. Introduction to Colonial Spanish American Literature from the discovery through the Romantic Period.

SPW 5355 Spanish American Drama and Poetry (3) AS WLE

PR: SPW 4131. Major writers of all genres. Emphasis on modern writers.

SPW 5387 Spanish American Prose (3) AS WLE

PR: SPW 4131. Emphasis on the gaucho theme and contemporary prose fiction.

SPW 5388 Golden Age Poetry and Drama (3) AS WLE

PR: SPW 4100. Lope de Vega, Alarcon, Tirso, Calderon, and others.

SPW 5405 Medieval Literature (3) AS WLE

PR: SPW 4100 or equiv. Course gives an in-depth study of principal works and authors of the period such as El Poema de Mio Cid, Libro de Buen Amor, and La Celestina.

SPW 5465 19th Century Literature (3) AS WLE

PR: SPW 4101. An appreciation of the romantic and realist periods in Spanish literature.

SPW 5605 Cervantes (3) AS WLE

Cervantes' masterpiece Don Quijote de la Mancha.

SPW 5725 Generation of 1898 (3) AS WLE

PR: SPW 4101. The major figures of the period and their main followers.

SPW 5726 Vanguard Literature 1918 and 1936 (3) AS WLE

PR: SPW 4101. A study of Vanguard literature in Spain between 1918 and 1936.

SPW 5934 Selected Topics (3) AS WLE

PR: Upper-level or GS. Study of an author, movement, or theme.

SSE 4313 Teaching Elementary (K-6) Social Studies (3) ED EDE

PR: Admission to College of Education or CI. This course is designed to study techniques and strategies employed by K-6 social studies teachers that are effective in motivating elementary school aged youth to acquire the information, skills, and modes of reasoning unique to the social sciences.

SSE 4333 Teaching Middle Grades Social Science (3) ED EDW

This course is designed to study techniques and strategies employed by social sciences teachers that are effective in motivating teenage youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present instructional plan(s) demonstrating use of various methods, techniques, and material that achieve concrete outcomes. Theoretical foundations of social studies are also studied. Field work is required.

SSE 4334 Teaching Secondary Grades Social Science (3) ED EDW

PR: SSE 4333. This course is a continuation of SSE 4333 with further development of the instructional techniques and strategies and the information, skills, and modes of reasoning unique to the social sciences with an emphasis on the secondary school environment. The teaching profession, school settings, legal, and classroom management issues are also studied. Fieldwork in a high school is required.

SSE 4335 Teaching Social Science Themes (3) ED EDI

PR: SSE 4333 for Undergraduate Students; SSE 5331 for Graduate Students; SSE Majors only. The course is a laboratory-based, capstone course in which knowledge, skills, and dispositions are demonstrated by students teaching social studies content using the thematic approaches adopted by the National and State accrediting bodies.

SSE 4380 Global And Multicultural Perspectives in Education MW (3) ED EDW

PR: EDG 3604 and EDG 4620, or DPR. Examination of the major issues surrounding global and multicultural perspectives in education. Available to non-Education majors.

SSE 4600 Reading and Basic Skills in the Social Studies Class (3) ED EDW

Reading skills and other basic skills as applied to the social studies are examined. Students plan and present instruction appropriate to the social studies classroom. Fieldwork in middle or senior high schools is required. Restricted to majors.

SSE 4670 Economics USA: Principles of Economics for Teachers (3) ED EDW

S/U only. A television course focusing on content and teaching methodology related to micro/macro economic principles.

SSE 4936 Senior Seminar in Social Science Education (2) ED EDW

PR: Senior standing; CR: SSE 4940. Synthesis of teacher candidate's courses and preparation for the professional interview and application process.

SSE 4940 Internship: Social Science Education (1-12) ED EDW

CR: SSE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 Semester hours.

SSE 5331 Foundations, Curriculum & Instruction of Social Science Education (3) ED EDI

Social studies curriculum, methods of instruction and social, philosophical and psychological foundations are examined. Students are expected to plan and present instructional plan(s) appropriate to middle and secondary school levels demonstrating command of the course content.

SSE 5332 Methods & Strategies in Social Science Education (3) ED EDI

Social studies methods and strategies are examined with an emphasis on the secondary school environment. The teaching profession, school settings, and current issues are examined. Students are expected to plan and present instructional plan(s) appropriate to senior high school demonstrating command of the course content.

SSE 5641 Reading and Basic Skills in the Content Area (3) ED EDI

Reading skills and the other basic skills as applied to the social studies are examined. Students are expected to plan and present instructional plan(s) appropriate to the social studies classroom demonstrating command of the course content. Fieldwork in a middle school is required.

SSE 5644 Economic Decision-Making for Teachers (3) ED EDW

PR: Admission to College of Education or DPR. Provides teachers (K-12) with content related to the operation of businesses in a market economy. Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 instructional programs.

STA 1022 Basic Statistics 6A QM (3) AS MTH

PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. No credit for Mathematics majors. Basic philosophy of statistical thinking. Acquisition of data. Techniques for organizing and presenting statistical data. Sample mean, variance and standard deviation. Statistical decisions--estimation and hypothesis testing. Design of experiments, linear association and prediction. Statistical software: MINITAB.

STA 2023 Introductory Statistics I 6A QM (4) AS MTH

PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. No credit for Mathematics Majors. Descriptive statistics, basic probability principles, discrete and continuous probability distributions: binomial, Poisson, uniform, normal, t, chi-square and F; point estimation, confidence limits, hypothesis testing, correlation analysis and linear

regression. Emphasis on applications to social sciences, life sciences, physical sciences, engineering and business.

STA 2122 Social Science Statistics 6A QM (3) AS ISS

Descriptive and inferential statistics - through ANOVA, correlation-regression, chi-square and non-parametrics. The course presents statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and hypothesis from a wide range of disciplines.

STA 3024 Introductory Statistics II 6A (3) AS MTH

PR: STA 2023 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin squares, Split Plots, incomplete designs; distribution free methods.

STA 4321 Essentials of Statistics 6A (3) AS MTH

PR: STA 4442. Basic statistical methods. Estimation, hypothesis testing, regression, ANOVA, and nonparametric methods.

STA 4442 Introduction to Probability 6A (3) AS MTH

PR: MAC 2313. Introduction to probability theory using calculus. Basic ideas of probability and random variables, discrete probability functions, continuous probability densities, joint distributions, transformations of random variables, moments and generating functions of random variables, limit theorems.

STA 5166 Statistical Methods I (3) AS MTH

PR: STA 4321 or CI. Statistical analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.

STA 5228 Sampling Techniques (3) AS MTH

PR: STA 4321 or CI. Sampling versus total enumeration. Planning of a survey. Statistical sampling methods and their analysis; simple, stratified, systematic cluster, and double and multistage sampling. Use of auxiliary information in sampling. Ratio and regression estimates. Case study.

STA 5326 Mathematical Statistics I (3) AS MTH

PR: STA 5446. Sample distribution theory, point & interval estimation, optimality theory, statistical decision theory, and hypothesis testing.

STA 5446 Probability Theory I (3) AS MTH

PR: STA 4442 and MAA 4212 or CI. Axioms of probability, random variables in Euclidean spaces, moments and moment generating functions, modes of convergence, limit theory for sums of independent random variables.

STA 5526 Non-Parametric Statistics (3) AS MTH

PR: STA 5326 or CC. Theory and methods of non-parametric statistics, order statistics, tolerance regions, and their applications.

SUR 2101C Engineering Land Surveying (3) EN EGX

Principles of land surveying for engineering practice. Traverses, levels, boundary surveys, route surveys, coordinate geometry, and mapping.

SYA 3110 Classical Theory (3) AS SOC

PR: SYG 2000 or CI. The analysis of the philosophical foundations, central principles, and historical development of Sociological theory. Required for Sociology majors and minors.

SYA 3120 Contemporary Theory (3) AS SOC

PR: SYA 3110 and SYG 2000 or CI. An examination of recent trends in sociological theory. Emphasis is on theories examining symbolic interactions, lived experience, popular culture, and social structures.

SYA 3300 Research Methods (3) AS SOC

PR: STA 2122 or equivalent. Introduction to the scientific method and its application to social science research. Research design, sampling techniques, and critical evaluation of social research. Required for Sociology majors.

SYA 3310 Qualitative Inquiry 6A LW (4) AS SOC

PR: SYG 2000 or CI. DPR. Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives.

SYA 4304 Sociological Research Experience (1-3) AS SOC

PR: SYG 2000 and class standing of sophomore, junior or senior. A flexible-unit course for advanced undergraduate students interested in participating in an ongoing faculty research project. Students will complete selected research tasks (background research, data collection and data analysis) with faculty supervision.

SYA 4910 Individual Research (1-3) AS SOC

PR: Four courses in sociology, including SYA 3300, upper level standing, at least 3.0 overall GPA, or CI. DPR. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration.

SYA 4930 Topics in Sociology (3) AS SOC

Selected specialized topics in Sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, socio-biology. Content will vary by semester and by section. See class schedule for specific contents each semester. This course, in different content areas, may be repeated for credit.

SYA 4935 Senior Seminar MW (3) AS SOC

PR: Senior standing, SYG 2000, SYA 3110, SYA 3300 plus 6 hours of Sociology electives. Majors only. DPR. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of relevance in today's society. Topic changes by instructor.

SYA 4949 Sociological Internship (1-6) AS SOC

PR: Senior or graduate standing in Sociology plus CI. Supervised placement in community organization or agency for a minimum of 10 hours of volunteer work per week, and a weekly seminar on applying sociological skills and methods in the placement setting.

SYD 3441 Peasant Perspectives AF (3) AS SOC

PR: SYG 2000 or 6 hours of other Social Sciences Gen. Ed. coursework or CI. Examines the applicability of sociological concepts to peasant life around the world, and explores the roles played by "western" societies in creating and sustaining the conditions under which peasants live.

SYD 3700 Racial and Ethnic Relations SS HP (3) AS SOC

Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4410 Urban Sociology (3) AS SOC

The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4411 Urban Life (3) AS SOC

PR: SYG 2000 This course provides a number of insights into how living in cities has changed throughout history, how it varies culturally, and how it has been theorized in sociology.

SYD 4800 Gender and Society (3) AS SOC

Historical and current issues surrounding gender in America. Emphasis on exploring the causes, meaning, and consequences of gender differences, interpersonal relationships, and institutional participation.

SYG 2000 Introduction to Sociology SS (3) AS SOC

An introduction to sociological perspectives and methods and the basic areas of sociological interests such as socialization, gender, race and ethnic relations, deviance, social control, and social stratification.

Required for Sociology majors and minor.

SYG 2010 Contemporary Social Problems SS (3) AS SOC

The analysis of social causes and dimensions of major public issues such as crime, the environment, inequality, gender, employment, and substance abuse.

SYG 2412 Marriage (3) AS SOC

Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count for sociology major credit.

SYG 3011 Social Problems Through Film (3) AS SOC

PR: SYG 2000 or SYG 2010. Examines, through films, how sociologists define and study social problems, and investigates the role of the popular media in the construction of social problems. Explores the solutions aimed at social problems in a comparative, international perspective.

SYG 3235 Latina Lives 6A AF LW (3) AS SOC

PR: SYG 2000 or SYG 2010. An exploration of the experiences of Latinas in the United States. Uncover and examine such sociological themes as oppression, migration, work, family, activism, spirituality, and sexuality through short stories, poetry, and scholarly research.

SYO 3120 Sociology of Families (3) AS SOC

With a goal to understand American families in the present, this course will examine variations in family types by social class, race, ethnicity, and historical era. Exploration of current controversies about how families should be organized and about what they should do for their members as well as social policies related to families.

SYO 3200 Sociology of Religion (3) AS SOC

PR: SYG 2000 or CI. An examination of the meanings of religion lived in experiences in the contemporary United States. Includes the construction and maintenance of religious meanings and communities, the impact of those meanings and communities on daily lives, use and impact of religious discourse in daily lives, social movements motivated by religious beliefs.

SYO 3500 Social Organization (3) AS SOC

PR: SYG 2000 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYO 3530 Social Inequalities in a Global Society (3) AS SOC

Introduction to the major concepts and theories used to explain inequality. The topics of race, gender, and sexual orientation will be treated in relation to class, rather than as a parallel dimension of stratification.

SYO 4250 Sociology of Education (3) AS SOC

PR: SYG 2000 Application of sociological theory to the social institution of education. Primary attention directed toward the social organization of educational systems.

SYO 4300 Political Sociology (3) AS SOC

PR: SYG 2000 or CI. An examination of the social factors that affect government, politics, and political behavior.

SYO 4370 Occupations and Professions (3) AS SOC

PR: SYG 2000 or CI. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on the process of professionalizing service occupations like police work, business management, public administration and social work.

SYO 4400 Medical Sociology (3) AS SOC

PR: SYG 2000 or CI. The study of disease and the sick person including the analysis of health practices, beliefs, and practitioners, the hospital as an organization, the cost, financing, and politics of health care.

SYO 4430 Disability and Society MW (3) AS SOC

PR: SYG 2000 or CI. Examination of the applicability of sociological concepts to the experience of disability, and of disability as a means to a better understanding of the nature of social experience.

SYO 5365 Industrial Sociology (3) AS SOC

SYP 3000 Social Psychology SS (3) AS SOC

An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.

SYP 3004 Constructing Social Problems (3) AS SOC

Examination of how activists, media, politicians, and scientists construct public images of social problems; analysis of the process of forming social policy and how public images of social problems shape the characteristics of social service agencies.

SYP 3060 Sociology of Sexualities (3) AS SOC

Explores the interactions, among and between people, and people and institutions that form the boundaries through which sexualities are understood in the United States. Addresses interactions with and within medical and religious institutions, racial/ethnic cultures, families and popular culture.

SYP 3562 Family Violence (3) AS SOC

An exploration of the complexity of the causes and consequences of physical and emotional violence among family members. Topics include the meanings and behaviors of violence, the process of help-seeking, and social interventions for offenders and victims. Open to nonmajors.

SYP 4012 Emotions in Society (3) AS SOC

PR: SYG 2000 or SYG 2010. Examines the theories, concepts, and larger social contexts of emotions, and investigates sociological research on feelings such as anger and fear; pride and shame; love, friendship and sympathy; sadness and depression; grief and loss.

SYP 4111 Identity and Community (3) AS SOC

This course is a sociological examination of the meanings of identity in the post-modern era. Topics will include the characteristics of identity at the levels of individuals, institutions, culture, and the processes of identity construction and change.

SYP 4420 Consumer Culture 6A MW LW (3) AS SOC

PR: SYG 2000 or CI. The exploration of how Americans' purchasing behavior connects to larger historical shifts in our economy, including disenchantment, alienation, inequality, and the rise of the credit card society.

SYP 4510 Sociological Aspects of Deviance (3) AS SOC

The examination of the social construction of deviance: how deviance is defined, implications of deviance designations. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.

SYP 4530 Sociology of Juvenile Delinquency (3) AS SOC

Sociological issues in defining delinquency; the nature of adolescence and delinquency; sociological theories of the causes of delinquency; types and consequences of social control applied to delinquents.

SYP 4550 Drugs and Society (3) AS SOC

PR: SYG 2000 or SYG 2010. Explores the social construction of substance use in the United States. Examines individual users and the popular perspectives on the causes of substance use and abuse such as the medical, psychoanalytic, and sociological models.

SYP 4640 Leisure in Society (3) AS SOC

Sociological examination of leisure in the United States and other countries. Topics include changing leisure time patterns, relationships between leisure and work, personality, family, community, subcultures, religion, and social class.

SYP 4650 Sport in Society (3) AS SOC

An examination of the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social institutions, economic considerations, mass media, and the sport group as a micro-social system.

TAX 4001 Concepts of Federal Income Taxation (3) BA ACC

PR: ACG 3103 and ACG 3341 with a grade of "C" or better (not C-) in each course. Major concepts used in taxation of income by federal government including enactment of tax laws, basic tax research, preparation of basic tax returns and exploration of tax policy issues.

TAX 5015 Federal Taxation of Business Entities (3) BA ACC

PR: TAX 4001 with a grade of "C" or better (not C-). Tax issues encountered by small businesses. Includes tax planning, capital formation and preservation, tax compliance and tax alternatives.

THE 2005 Issues in Theatre FA (3) VP TAR

Focuses on the variety and range of contemporary performance using lecture, discussion, theatre attendance, and experiential learning. Encourages critical thinking and reflection about theatre in contemporary society. Restricted to non-theatre majors.

THE 2020 Introduction to Theatre (3) VP TAR

An introduction to the art of theatre as part of the larger context of the nature of art itself. The approach will be both chronological and multi-cultural. Required of all theatre majors.

THE 2252 Great Performances on Film FA (3) VP TAR

This class traces the evolution of acting styles, from Lillian Gish to Samuel L. Jackson and beyond, focusing on the analysis of performance technique, the history of cinema, and the social and political environment they parallel. No prerequisite.

THE 2305 Script Analysis (3) VP TAR

PR: Sophomore standing, THE 2020. This course teaches theatre students the techniques of close reading of dramatic texts.

THE 3110 Theatre History I MW (3) VP TAR

PR: Sophomore standing, THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally fifteen plays will be read. Required of all theatre majors. Open to upper division non-majors.

THE 3111 Theatre History II MW (3) VP TAR

PR: Sophomore standing, THE 2020. A study of Theatre History in more detail as a companion to Theatre History I. This course and the companion Theatre History I will offer the opportunity for more careful study and emphasis on particular aspects of cross-cultural theatre in context.

THE 4174 New British Theatre and Drama 6A MW LW (3) VP TAR

PR: THE 2305 and Junior Standing. A study of contemporary theatrical practice and key dramatic texts in the British Isles. This course is restricted to majors.

THE 4180 Theatre Origins 6A MW LW (3) VP TAR

PR: THE 3110 or THE 3111 and one of the following: THE 4320, THE 4330, THE 4360, THE 4401, THE 4434, THE 4435, THE 4442, THE 4480. Open to senior non-majors with CI. An analysis of the development of theatre out of myth, ritual, and liturgy. Emphasis placed on what attempts to understand the resulting phenomena (e.g. Aristotle's Poetics) can teach us about the nature of our art. Either THE 4180 or THE 4562 is required of all theatre majors.

THE 4264 History Of Costume (3) VP TAR

PR: Sophomore standing. Open to upper level non-majors with CI. A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences. (A requirement in the design track/costume.)

THE 4266 Architecture And Decor (3) VP TAR

PR: Sophomore standing. Open to upper level non-majors with CI. A survey of architecture and furniture from ancient Egypt to the 20th Century. (A requirement in the design track/scenic.)

THE 4320 Theatre of Myth and Ritual/Northern European (950-1600) & Oriental (400-1200) 6A MW LW (3) VP TAR

PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. An investigation into the interrelationship of myth, ritual, and theatre. Considers northern European liturgical and secular plays as compared with Hindu, Chinese, and Japanese drama.

THE 4330 Shakespeare for The Theatre 6A MW LW (3) VP TAR

PR: THE 2305. A close study of selected plays with special emphasis on their performance values. Web-based version open to non-majors with CI; campus based version restricted to majors.

THE 4360 The 19th Century Theatre Revolution 6A LW (3) VP TAR

PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity.

THE 4401 American Drama 6A MW LW (3) VP TAR

PR: THE 2305 and Junior Standing. A course in the function of the script for the theatre artist treating materials in the American Theatre. This class is restricted to majors only.

THE 4434 Caribbean Theatre 6A MW LW (3) VP TAR

PR: THE 2305. CR: THE 3110 or THE 3111. Open to upper level non-majors with CI. This course is a study of plays and popular theatrical forms of the Caribbean. The student will investigate the social and political

forces that shape the culture of the Caribbean, the residual effects of the colonialism and the turbulence of independence as expressed in the dramatic art and theatre of the English-speaking West Indies.

THE 4435 Theatre of Pluralism 6A MW LW (3) VP TAR

PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. The practice of theatre as it reflects cultural heritage, gender, race and sexual orientation. Study of contemporary scripts, critical and artistic statements.

THE 4442 Comedy of The Classic And Neo-Classic Stage 6A LW (3) VP TAR

PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A study of comedic function in scripts from Greek and Roman, Restoration and French Neoclassic of the late 17th century and other plays from the late 18th and late 19th centuries which reflect similar characteristics.

THE 4480 Drama-Special Topics (3) VP TAR

PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A study of a significant playwright or grouping of playwrights, e.g. Moliere, Brecht, recent American dramatists.

THE 4562 Contemporary Performance Theory 6A MW LW (3) VP TAR

PR: THE 3110 or THE 3111 and one from the following: The 4320, THE 4330, THE 4360, THE 4401, THE 4434, THE 4435, THE 4442, THE 4480; or CI. A seminar for advanced students focusing on the theory and practice of performance.

THE 4593 Honors Seminar (2) VP TAR

Enrollment limited to upper level majors who have been formally admitted to the department honors program. Not available S/U. Readings in the literature, history and theory of the stage in preparation for Theatre Honors Practicum. Past topics have included New German Theatre, Popular Theatre, New American Theatre, Jacobean Theatre.

THE 4594 Honors Practicum (3) VP TAR

PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or production with guest artists. Past artists have included the Free Theatre of Munich, the San Francisco Mime Troupe, playwrights Eric Overmeyer, Jeff Jones and Gary Hill.

THE 4595 Honors Thesis (1-3) VP TAR

PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee.

THE 4761 Methods of Teaching Theatre for Adolescents (3) VP EDD

Methods of effective drama and theatre instruction in middle school, junior and high schools, recreation centers, community, and professional theatres.

THE 4905 Directed Studies (1-4) VP TAR

Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

THE 4930 Selected Topics In Theatre (1-8) VP TAR

PR: CI. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion or studio format.

THE 5909 Directed Studies (1-6) VP TAR

PR: CI and CC. Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

THE 5931 Selected Topics In Theatre (1-8) VP TAR

PR: CI. The content of the course will be governed by the student demand and instructor interest. May be lecture or class discussion or studio format.

TPA 2200 Introduction to Technical Theatre I (3) VP TAR

CR: TPA 2290L or CI. An introductory course in technical production including coursework in the areas of scenic construction, theatre production/organization, and sound. Required for Theatre majors. Requires sequential semester enrollment with TPA 2211 and TPA 2291L. Open to non-majors.

TPA 2211 Introduction to Technical Theatre II (3) VP TAR

CR: TPA 2291L or CI. An introductory course in technical production including stage lighting, costume construction, and sound. Required for Theatre majors. Requires sequential semester enrollment with TPA 2200 and TPA 2290L. Open to non-majors.

TPA 2248 Workshop In Stage Makeup (1) VP TAR

Beginning theory and practice in make-up for the stage. Open to non-majors. Theatre majors given preference. A studio course.

TPA 2290L Technical Theatre Lab I (1) VP TAR

CR: TPA 2200 or CI. A practical laboratory involving the pre-performance preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TPA 2291L Technical Theatre Lab II (1) VP TAR

CR: TPA 2211 or CI. A practical laboratory involving the pre-performance preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TPA 2292 Production Involvement I (1) VP TAR

PR: TPA 2200, TPA 2290L, TPA 2211, TPA 2291L or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the students completion of a PI request form, available in the Theatre Office, and enrollment in this course.

TPA 3007 Introduction to Design I (3) VP TAR

PR: TPA 2200, TPA 2211, TPA 2290L, and TPA 2291L. Open to non-majors. This course will include lectures, demonstrations, individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization.

TPA 3008 Introduction to Design II (3) VP TAR

PR: TPA 3007. This course will include lectures, demonstrations, individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization. Open to non-majors.

TPA 3208 Drafting and CAD I (3) VP TAR

PR: TPA 2200, TPA 2211, TPA 2290L and TPA 2291L. The course will include lectures, demonstrations, individual student presentations, and studio activities. The course work will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.

TPA 3221 Lighting: Theory And Practice (3) VP TAR

PR: TPA 3208 or CI. Intermediate lighting design course concerned with graphic presentations, color theory, design concepts, and practical experience with computer lighting systems. A requirement in the design track/lighting.

TPA 3231 Costume Construction (3) VP TAR

PR: TPA 3208 or CI. A practical course in the drafting of patterns for costuming the actor. Materials, skills, and techniques for construction of costumes and costume accessories will be treated. Included topics are millinery, footwear, jewelry, masks, armor, courtesy; both period and modern.

TPA 3251 Drafting and CAD II (3) VP TAR

PR: TPA 3208. Continuation of TPA 3208. The course will include lectures, demonstrations, field trip(s), individual student presentations, and studio activities. The course work will provide an opportunity to develop your skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.

TPA 3265 Sound For The Stage (3) VP TAR

PR: TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors with CI. Basic study of audio components, fundamental properties of sound, multiple channel recording, editing, reproduction and reinforcement. Methods and techniques used in theatre to create sound effects.

TPA 3296 Design Practicum (2) VP TAR

PR: TPA 3008. This is a studio/laboratory course in the practical aspects of production. The course is intended to provide realized production experience to the advanced theatre design student in such areas as costume, lighting, and scenic design; stage properties design; technical direction; and theatrical production craft/skill areas. The student will be individually mentored by a faculty member through the process of developing and realizing a production design/craft/skill.

TPA 3601 Stage Management (2) VP TAR

PR: TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors with CI. A practical course in the working organizational function of the stage manager in theatre, dance, opera, and other live performance situations.

TPA 3840 Puppetry Performance And Production (4) VP TAR

PR: TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors with CI. The creation, building, rehearsal, and performance of plays for puppet theatre.

TPA 4011 Design Studio I (3) VP TAR

PR: TPA 3008 and TPA 3208 plus two of TPA 3231, TPA 3221, or TPA 3251. TPA 4011 will include studio design project activities in the areas of costume, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved with the development of a design from the first meeting to the final paper/model design.

TPA 4012 Design Studio II (3) VP TAR

PR: TPA 4011. This course will include studio design project activities in the areas of costume, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved with the development of a design from the first meeting to the final paper/model design. Evaluation of the project will emphasize the process followed in the development of the design including

thumbnail/idea sketching, research, and production concept. The course will include seminar (production) discussions, lectures, demonstrations, individual and group work, and individual student presentations.

TPA 4013 Design Studio III (3) VP TAR

PR: TPA 4012. This course will include studio design project activities in an individual's selected primary and secondary areas of costume, lighting, and/or scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved with the development of a design from the first meeting to the final paper/model design.

TPA 4077 Scene Painting (2) VP TAR

PR: TPA 3007. Open to upper level non-majors with CI. A practical course in the painting of stage scenery: media and application.

TPA 4273 Stage Properties: Techniques And Materials Studio (2) VP TAR

PR: TPA 3007. Open to upper level non-majors with CI. Demonstration of and experience with materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop.

TPA 4293 Production Involvement II (1) VP TAR

PR: TPA 2292 or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the student's completion of a PI request form, available in the Theatre Office, and enrollment in this course.

TPA 4298 Advanced Design Practicum (3) VP TAR

PR: TPA 4011. This is a studio/laboratory course in the practical aspects of production. The course is intended to provide realized production experience to the advanced theatre design student in such areas as costume, lighting, and scenic design; stage properties design; technical direction; and theatrical production craft/skill areas. The student will be individually mentored by a faculty member through the process of developing and realizing a production design/craft/skill.

TPP 2110 Voice-Body-Improvisation (3) VP TAR

Exploring the elements basic to acting skills, a participation course. Required of all theatre majors. Open to non-majors.

TPP 2190 Studio Theatre Performance I (1) VP TAR

PR: TPP 2110, THE 2020. A practical laboratory involving the rehearsal and performance of a major production. Activities may include acting, directing, stage management, and the activities of the performance production crews. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 2500 Body Disciplines (3) VP TAR

PR: TPP 2110. A laboratory course in various disciplines or systems and understanding the body's motive powers, with focus on their use for the stage performer.

TPP 3121 Improvisation I (3) VP TAR

PR: TPP 2110. An intensive study in improvisation as an enhancement of the actor's skill. Exercises and theatre games as flexible forms which accommodate improvisation and physical invention are examined and used to develop group creativity.

TPP 3155 Scene Study I (3) VP TAR

PR: Audition and all core 2000 level courses. Identify and investigate the fundamental elements of acting as applied to scene exploration, rehearsal, and presentation.

TPP 3230 Laboratory Workshop In Performance (3) VP TAR

PR: Audition and TPP 2110. May be repeated twice for a total of 9 hours credit. Open to upper level non-majors by audition only. The content of the course will be governed by student demand and instructor interest.

TPP 3580 Special Skills In Movement (3) VP TAR

PR: TPP 2110 or CI. May be repeated for credit. Open to upper level non-majors with CI. Stage combat, circus and acrobatic techniques, and other special techniques of movement.

TPP 3790 Voice Preparation For The Actor (3) VP TAR

PR: TPP 2110. A concentrated laboratory on freeing the breathing function, developing body and oral resonance, and strengthening muscles used on the formation of speech sounds.

TPP 3920 Acting Studio I (8) VP TAR

PR: Audition, all lower level core theatre courses and junior standing. An intensive and comprehensive ensemble workshop that explores the basic principles of acting and the skills necessary for play, scene and character analysis. An emphasis is placed on the integration of body, voice, mind and emotions. This course will be team taught by the Performance faculty.

TPP 3921 Acting Studio II (8) VP TAR

PR: TPP 3920. A continuation of Acting Studio I with greater emphasis on addressing individual needs in order to explore emotionally complex characters and scenes in an intensive and systematic way. This course will be team taught by the Performance faculty.

TPP 4140 Styles Of Acting (3) VP TAR

PR: TPP 4180 and audition or CI. Examination of the actor's craft and skills needed to fulfill the demands of classical theatre forms.

TPP 4180 Advanced Scene Study (3) VP TAR

PR: Audition and TPP 3155 or TPP 3921. An acting workshop focusing on application of character development and rehearsal techniques over a sustained period leading toward a project showing at semester's end.

TPP 4193 Studio Theatre Performance II (1) VP TAR

PR: TPP 2190. A practical laboratory involving the rehearsal and performance of a major production. Activities may include acting, directing, stage management, and the activities of the performance production crews. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 4221 Audition Workshop for Actors (3) VP TAR

PR: TPP 3155 or TPP 3921. Preparation for professional audition; discussion of professional objectives.

TPP 4310 Directing I (3) VP TAR

PR: TPP 3155 or TPP 3230. An elective sequence in directing. A workshop course in which the student first encounters the basic tasks of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4311 Directing II (3) VP TAR

PR: TPP 4310 and CI. An elective sequence in directing. A workshop course in which the student first encounters the basic tasks of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4600 Writing For The Theatre (3) VP TAR

PR: TPP 3110 or THE 3111. An elective sequence in writing, in which the student first encounters the problems unique to dramatic language and situation, then progresses to complexities of character, plot, and stage dynamics. Normally the aim would be to complete several performance-worthy self-contained scenes.

TPP 4920 Senior Workshop For Actors (3) VP TAR

PR: TPP 2500, TPP 3790, TPP 3155, or TPP 3921. A workshop in advanced vocal and movement techniques.

TPP 4923 Music Theatre Workshop (3) VP TAR

PR: TPP 2110 and audition. Open to non-majors by audition only. Exploration of Musical Theatre materials and performance techniques for the performer. Individual and ensemble work.

TSL 4374 Methodology of Teaching English Overseas (3) AS WLE

PR: Upper-level standing. Designed to introduce and prepare the enrollee in the various facets of teaching English as a foreign language in the overseas setting. It will include aspects of teaching verbal skills and comprehension as well as writing. It involves a practicum at the English Language Institute on campus.

TSL 5321 ESOL Strategies for Content Area Teachers (3) AS WLE

Course designed for public school teachers working with limited English Proficient (foreign) students in the classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers.

TSL 5371 Methods of Teaching English As A Second Language (3) AS WLE

Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5372 ESOL Curriculum and Instruction (3) AS WLE

Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5471 Language Testing (3) AS WLE

PR: TSL 5371. Lecture course on testing English as a second/foreign language.

TSL 5525 Cross-Cultural Issues in ESL (3) AS WLE

PR: LIN 5700. Lecture course on cultural issues in Teaching English as a Second/Foreign language.

TTE 4003 Transportation and Society (3) EN EGX

This course provides a multidisciplinary introduction to transportation and its impacts on society. It explores how transportation interacts with the economy, the environment and the social and political nature of society

TTE 4004 Transportation Engineering I (3) EN EGX

PR: EGN 3321. Principles of surface transportation system development, design, and operations; administration, modal characteristics, capacities, and functional classifications; vehicle kinematics, human factors and minimum design standards; traffic flow theory and queuing, capacity and signalization; transportation planning and economics.

TTE 4005 Transportation Engineering II (3) EN EGX

PR: TTE 4004. Techniques for the geometric route design of surface transportation systems; horizontal and vertical alignments. Spiral curves, superelevations and earthwork analysis; drainage, soils, and a rigid and flexible pavement design; right-of-way acquisition and Environmental Impacts; site layout & design, and operation of alternate models including bus, air, rail, water, and pipeline facilities and terminals.

TTE 5205 Traffic Systems Engineering (3) EN EGX

PR: TTE 4004 or equivalent. Traffic models, intersection analysis, capacity analysis, data methods collection, parking studies, volume and speed studies, freeway management, and advanced technologies.

TTE 5501 Transportation Planning and Economics (3) EN EGX

PR: College Algebra & CI. Fundamentals of urban transportation planning: trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation and choice of transportation alternatives.

URP 4050 City Planning and Community Development (3) AS POL

An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.

URP 4052 Urban and Regional Planning (4) AS GPY

PR: GEO 2400, GEO 3602. The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

URS 3002 Introduction to Urban Studies (3) AS ISS

An interdisciplinary introduction to the process of urbanization in the United States and the diverse communities it has created. Study of the Tampa Bay region is emphasized.

VIC 3001 Introduction to Visual Communications (3) AS COM

PR: MMC 2100 and MMC 3602. Survey of visual communication theory, techniques and contemporary application in the visual media. Critical examination of visual communication in newspapers, magazines, television, motion pictures and new media.

VIC 3943 Visual Communication Practicum (1) AS COM

PR: Senior standing and CI. For visual communications option majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

WOH 3293 Islam in World History AF HP (4) AS HTY

This course examines the origins, spread, and development of Islam within the context of the main global historical processes and events of the past 1500 years.

WST 2250 Female Experience in America HP (3) AS WST

The female experience in America, in historical context, with an emphasis on women in families of various classes, races, and ethnic groups from colonial times to 1870.

WST 2600 Human Sexual Behavior SS (3) AS WST

The dynamics of human sexuality: biological, constitutional, cultural, and psychological aspects. The range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially human sexuality.

WST 3015 Introduction to Women's Studies SS AF (3) AS WST

Survey of major issues relevant to the female experience. the women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3210 European Feminist History: Pre-18th Century 6A HP (3) AS WST

Survey of European feminist history prior to the 18th century (focusing primarily on Western Europe). Examines women's lives, roles, ideas, as well as origins of Western attitudes toward relation of power to gender, race and class. No prerequisites.

WST 3220 European Feminist History: Enlightenment to the Present HP (3) AS WST

A survey of European feminist history from the 18th century through the 20th century (focusing primarily on Western Europe). Examining women's lives, roles and ideas, as well as the dominant attitudes toward women over this time period.

WST 3225 Women, Environment and Gender MW (3) AS WST

Course designed to: provide students with a basic understanding of relationships between women's physical, health and occupational environments; consider the position of women regarding environmental issues; examine role that women can and do play in effecting environmental change; and analyze concepts related to ecofeminism.

WST 3311 Issues in Feminism SS (3) AS WST

Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3370 Women and Social Action SS (3) AS WST

Course focuses on ordinary women working collectively in diverse social settings to empower themselves and others to challenge gender stereotypes; to reduce harassment, poverty, violence and homelessness; to enhance health-care and family life and to confront barriers in education, the media and the criminal justice system.

WST 3412 Women in the Developing World (3) AS WST

Survey of status of women in Asia, Africa, Latin and Caribbean America, compared to that in USA, Canada, West Europe, Marxist-Leninist countries. (May also be taken for credit in Government and International Affairs.)

WST 3620 Men and Sexism (3) AS WST

Ways in which sex role conditioning affects the lives of men. Factors in this conditioning and alternatives to masculine sex role models.

WST 4262 Literature by Women of Color in the Diaspora 6A LW (3) AS WST

Will not be counted toward the English major. An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicanas/U.S. Latinas. Readings will include literature and contextual articles on historical and cultural issues.

WST 4310 History of Feminism in the U.S. 6A MW (3) AS WST

A study of feminist critiques of American women's experiences and status, and their implications for women's lives, by 19th- and 20th-century theorists, and how adequately these various critiques address the intersections of gender, class, ethnicity, and race.

WST 4320 The Politics of Women's Health (3) AS WST

Explores current issues and concerns in the conceptualization and delivery of health information and health care for women from a feminist perspective, with a special emphasis on ways in which we can inform and help ourselves.

WST 4335 Women and Film (3) AS WST

A study of representation of women in films and the responses of feminist film theorists and filmmakers.

WST 4350 Women and Science MW (3) AS WST

An examination of selected issues related to women and the natural and physical sciences including: historical participation of women in science, current status of women in science, and feminist critiques of science as a discipline.

WST 4410 Postcolonial Women Writers (3) AS WST

Will not be counted toward the English major. Introduces the literature of women from various anglophone countries in Africa, the Caribbean, and South Asia; some U.S. writers will be included to represent a third world diasporic consciousness.

WST 4522 Classics in Feminist Theory MW (3) AS WST

A study of classic contributions to the elaboration of feminist thought from the 18th century to the present in an attempt to discover the roots of the contemporary feminist movement.

WST 4561 Contemporary Feminist Theory (3) AS WST

PR: Completion of one upper division Women's Studies course. An exposure to and an exploration of a wide range of current feminist theories and debates, as well as an examination of the possible political and practical implications for various theoretical positions.

WST 4900 Directed Readings (1-3) AS WST

PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest.

WST 4910 Directed Research (1-3) AS WST

PR: Registration requires written contract signed by student and instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest.

WST 4930 Selected Topics (1-4) AS WST

Study in special areas such as Women and Work, Reproductive Law, Women and Health.

WST 4935 Seminar in Women's Studies (3) AS WST

PR: Women's Studies Major and 24 credit hours in Women's Studies. Recognizing the interplay between personal connections and intellectual experience, this capstone course is designed to focus on topical areas related to women's studies and facilitate linking student learning experience to future plans.

WST 5308 Feminist Spirituality (3) AS WST

Open to non-majors. Focuses on the many voices of contemporary feminist spirituality, emerging from women's experiences in diverse religious, ethnic and cultural traditions, and representing a range of theoretical perspectives from biblical feminism to goddess worship and wicca.

WST 5825 Internship in Women's Studies (3) AS WST

PR: Must have completed Comprehensive Exam. Majors Only. All required courses in MA program, CC. Student placement in approved intern setting for a minimum of 150 hours of supervised experience. S/U. Department Approval Required.

WST 5934 Selected Topics (1-4) AS WST

PR: DPR. Study of current research methods and scholarship on women from a multidisciplinary perspective.

WST 5940 Internship in Women's Studies (3-6) AS WST

PR: Majors only. All required courses in MA program, CC. Permit. Student placement in an approved intern setting for a minimum of 240 hours of supervised experience. S/U only.

YOR 1120 Yoruba I (4) AS WLE

This course is designed to familiarize students with modern orthography and to develop skills in reading, writing, speaking, and understanding spoken Yoruba. Pronunciation in Yoruba and achieving basic communicative competence in the language are among the skills to be attained in the course.

ZOO 2303 Vertebrate Zoology (3) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. The origin, diversity, and adaptations of the vertebrates. Phylogenetic systematics (cladistics) will be used as the basis for determining evolutionary relationships of organisms. Monophyletic groupings provide a framework for examining behavior, physiology, and ecology in an explicit evolutionary context. Vertebrates common to Florida and the southeastern United States will be emphasized.

ZOO 2710C Anatomy of Chordates (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. Anatomy of selected vertebrate types emphasizing evolutionary trends. Lec.-lab.

ZOO 3205C Advanced Invertebrate Zoology (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course, or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. An introduction to the major invertebrate groups, with emphasis on local forms. Fieldwork required. Lecture and Laboratory.

ZOO 3713C Comparative Vertebrate Anatomy (4) AS BIO

PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L & CHM 2045, CHM 2046 & MAC 1105 or higher-level MAC course, or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712. Anatomy of selected vertebrate types emphasizing evolutionary trends. Lecture and Laboratory.

ZOO 4233 Parasitology (4) AS BIO

PR: BSC 2011, BSC 2011L and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: PCB 3023 or PCB 3043 or PCB 3063 or PCB 3712 and CHM 2211. Fundamentals of animal parasitology and parasitism, the biology of selected animal parasites, including those of major importance to man. Lecture and laboratory.

ZOO 4512 Sociobiology MW (3) AS BIO

This course is restricted to seniors. Not for major's credit. An analysis of Animal and human behavior such as sex, territoriality, and aggression in the context of evolution.

ZOO 4513 Animal Behavior (3) AS BIO

PR: PCB 3023 or PCB 3043 or PCB 3063 & CHM 2210 & MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2211. An introduction to comparative animal behavior, with analysis of types of animal behavior, their function and evolutionary origin. Lecture only.

ZOO 4603C Animal Embryology (4) AS BIO

PR: PCB 3023 and CHM 2210 and MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2211. Structural and functional events involved in differentiation and morphogenesis. Lec.-Lab.

ZOO 4753C Human Histology and Histopathology (4) AS BIO

PR: PCB 3023, PCB 3063 & CHM 2210 & MAC 1105 or higher-level MAC course or STA 2023. CP: CHM 2211. The study of cellular and tissue organization as the basis of function in the human body. Functional morphology in normal and diseased states will be emphasized using an organ system approach.

ZOO 5456 Ichthyology (3) AS BIO

PR: Senior or GS in Biology; ZOO 2701C, CI. PCB 4674 is suggested. Evolution, systematics, structure, behavior, physiology, and ecology of fishes.

ZOO 5456L Ichthyology Lab (1) AS BIO

CR/PR: ZOO 5456 Laboratory portion of Ichthyology relating to evolution, systematics, structure, behavior, physiology and ecology of fishes.

ZOO 5463C Herpetology (4) AS BIO

PR: CI. Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Lec.-lab. Field trip.

ZOO 5555C Marine Animal Ecology (4) AS BIO

PR: PCB 3043, senior standing, CI. Investigation of energy flow, biogeochemical cycles, and community structure in marine environments. Lec.-lab.