



**5381. Field Methods in Archaeology.** Methods of excavation, recording, and interpretation used in archaeological research. Fort Burgwin Research Center. Summer only. Students may petition to have this course fulfill the Lab Science Requirement.

**5382. Field Methods in Archaeology.** Methods of excavation, recording, and interpretation used in archaeological research. Fort Burgwin Research Center. Summer only. Students may petition to have this course fulfill the Lab Science Requirement.

**5681, 5981. Field Methods in Archaeology.** Methods of excavation, recording, and interpretation used in archaeological research. Fort Burgwin Research Center. Summer only. Students may petition to have this course fulfill the Lab Science Requirement.

***Anthropology Courses By Subfield***

Courses listed under 4350/51/52 or 4390/09 may count for any of the subfields, depending on the topic.

***Subfield: General***

- 2321 The Dawn of Wisdom: Ancient Creation Stories from Four Civilizations
- 2331 The Formation of Institutions: Roots of Society
- 3319 Human Ecology
- 3322 Statistical Reasoning in Anthropology
- 4191, 4291, 4391, 4192, 4292, 4392 Independent Study and Research
- 4366 Theoretical Perspectives in Anthropology
- 4399 Senior Seminar in Anthropology
- 5334 History of Anthropology

***Subfield I: Archaeology***

- 2302 People of the Earth: Humanity's First Five Million Years
- 2321 The Dawn of Wisdom: Ancient Creation Stories from Four Civilizations
- 2363 The Science of Our Past: An Introduction to Archaeology
- 3304 North American Archaeology
- 3312 Meso-American Archaeology
- 3313 South American Indians of the Past and Present
- 3315 Origins of Civilization
- 3318 Archaeology of the Southwest
- 3334 Fantastic Archaeology and Pseudoscience
- 3356 Before Civilization
- 3374 Cultures and Environments of the Southwest
- 3388 Warfare and Violence: The Anthropology and Ethics of Human Conflict
- 3399 Ice Age Americans
- 4333 Laboratory Methods in Archaeology
- 4390 Current Issues in Anthropology
- 5381 Field Methods in Archaeology
- 5382 Field Methods in Archaeology
- 5681, 5981 Field Methods in Archaeology

***Subfield II: Cultural/Social Anthropology***

- 2301 Introductory Cultural Anthropology
- 2345 Leadership and Race Relations
- 3300 Race, Gender, and Culture in the African Diaspora
- 3301 Health, Healing, and Ethics: Cross Cultural Perspectives on Sickness and Society
- 3303 Psychological Anthropology
- 3305 The "Other" in America
- 3310 Gender and Sex Roles: A Global Perspective
- 3311 Mexico: From Conquest to Cancun
- 3313 South American Indians of the Past and Present
- 3314 Peoples of Africa



**130 Dedman College**

- 3316 Cultures of the Pacific Islands
- 3317 Peoples of Southeast Asia
- 3327 Culture Change and Globalization: Social Science Perspectives
- 3333 The Immigrant Experience
- 3336 Gender and Globalization
- 3344 Cultural Aspects of Business
- 3346 Culture and Diversity in American Life
- 3348 Asians and the American Public Imagination
- 3350 Good Eats and Forbidden Flesh: Culture, Food, and the Global Grocery Market
- 3353 Indians of North America
- 3354 Latin America: Peoples, Places, and Power
- 3355 Society and Culture in Contemporary Europe
- 3358 Indians of the Southwest
- 3366 Magic, Myth, and Religion Across Cultures
- 3368 Urban Life: A Cross Cultural Perspective
- 3388 Warfare and Violence: The Anthropology and Ethics of Human Conflict
- 4303 Political Economy of Health
- 4304 Migration and Ethnicity
- 4305 Applied Anthropology
- 4306 Anthropology and Education
- 4307 Seminar in International Health
- 4344 Global Population Processes: Anthropological Perspectives
- 4347 Seminar in Meso-American Ethnology
- 4367 Comparative Peasant Society
- 4384 Global Issues and Development: An Overview
- 4390 Warfare and Violence: Current Issues in Anthropology
- 5336 Anthropology and Medicine
- 5344 Research Methods in Ethnology
- Subfield III: Anthropological Linguistics**
- 3361 Language in Culture and Society
- 4311 Applied Linguistics
- 5359 Linguistics (General)
- Subfield IV: Physical Anthropology**
- 2315 Human Evolution
- 3302 Monkeys and Apes: The Nonhuman Primates
- 3350 Good Eats and Forbidden Flesh: Culture, Food, and the Global Grocery Market
- 3371 Nutritional Problems of Modern Populations
- 4371 The Nature of the Aging Process
- 4377 The Human Fossil Record

**BIOCHEMISTRY**

**Professor Steven Vik, Director**

The Biochemistry Program at SMU offers courses leading to a Bachelor of Science degree in Biochemistry. This program reflects the interdisciplinary nature of modern biochemistry and includes courses in physics, mathematics, chemistry, and biology. Undergraduate research is also highly recommended. These courses will prepare students for graduate study leading to a Ph.D. degree, for entrance to professional schools such as medicine, or for the chemical or biotechnology industry.

The program at SMU includes a core of required courses but allows some flexibility in the choice of additional upper-division courses. Note that there are two options for choosing the additional courses. Option 1 has been certified by the



American Chemical Society (ACS) for professional training in biochemistry. Option 2 allows a stronger emphasis on biology, but does not qualify a student for ACS certification. Students planning to attend graduate school are advised to take at least three credits of Undergraduate Research (BIOL 3398, 4398; or CHEM 4177/4297, CHEM 4398).

### Core Courses (57 credits)

#### **Chemistry (25 credits):**

**CHEM 1303, 1304 (or 1307H, 1308H); 1113, 1114** General Chemistry  
**CHEM 3351** Quantitative Analysis  
**CHEM 3371, 3372 (or 3373H, 3374H); 3117, 3118** Organic Chemistry  
**CHEM 5383, 5384** Physical Chemistry

#### **Biological Sciences (11 credits):**

**BIOL 1401, 1402** Introductory Biology  
**BIOL 3304** Genetics

#### **Biochemistry (4 credits):**

**BIOL/CHEM 5310** Biological Chemistry: Macromolecular Structure and Function  
**BIOL/CHEM 5110** Biological Chemistry: Laboratory

#### **Mathematics (9 credits):**

**MATH 1337, 1138, 2339** Calculus

#### **Physics (8 credits):**

**PHYS 1303, 1304, 1105, 1106 (or 1407, 1408)** General Physics

### Additional Courses (choose either Option 1 or Option 2)

#### **Option 1 (11 credits)**

##### *Required (5 credits):*

**CHEM 5185** Laboratory Methods in Physical Chemistry  
**CHEM 5192** Inorganic Synthesis Laboratory  
**CHEM 5392** Advanced Inorganic Chemistry

##### *Electives (choose 6 credits, one of which must be BIOL/CHEM 5311 or BIOL/CHEM 5312):*

**BIOL/CHEM 5311** Biological Chemistry: Metabolism  
**BIOL/CHEM 5312** Physical Biochemistry  
**BIOL 5304** Molecular Biology: Control and Expression of Genetic Information  
**CHEM 5306** Computational Chemistry  
**CHEM 5398** Medicinal Chemistry

#### **Option 2 (9 credits)**

##### *Required (6 credits):*

**BIOL 3350** Cell Biology  
**BIOL/CHEM 5311** Biological Chemistry: Metabolism

##### *Electives (choose 3 credits):*

**BIOL/CHEM 5312** Physical Biochemistry  
**BIOL 5304** Molecular Biology: Control And Expression Of Genetic Information

**The Departmental Distinction Program.** A biochemistry major may graduate “with departmental distinction” by successfully completing a special program of study that includes independent reading and research and a senior thesis under the direction of a member of the faculty. The student must submit an application to the biochemistry adviser by the first term of the junior year. At this time the student must have completed at least 22 hours toward the biochemistry degree, with a G.P.A. of at least 3.50 in courses required for the major. Upon approval from the respective departments, the student must enroll in the following courses: BIOL 4398, 4399 or



CHEM 4177, 4299, 4397. Upon completion of these courses, the student will write a senior thesis and present it orally before a public audience including a faculty committee composed of the student's research adviser, the biochemistry adviser, and at least one additional faculty member. Upon successful completion of the senior thesis and maintenance of a G.P.A. of at least 3.50 in courses required for the major, the B.S. degree will be awarded with departmental distinction.

### BIOLOGICAL SCIENCES

**Professor Larry Ruben, Department Chair**

**Professors:** Christine Buchanan, William Orr, John Ubelaker, Steven Vik; **Associate Professors:** Richard Jones; **Assistant Professors:** Robert Harrod, Pia Vogel; **Lecturers:** Eva Oberdorster; **Adjunct Associate Professors:** Teresa Strecker, John Wise; **Professor Emeritus:** Venita Allison, John McCarthy, Franklin Sogandares-Bernal, William Stallcup.

**Requirements for the B.S. Degree.** This degree program is designed for students who plan careers in the biological sciences or further study in graduate or professional schools. A candidate for the B.S. degree must complete a minimum of 10 courses in biological sciences, including 1401 and 1402 and eight additional courses that: 1) total at least 26 advanced term hours, 2) include at least one course at the 4000 or 5000 level, and 3) include at least two courses with laboratories. The B.S. degree also requires 16 term hours of chemistry, including CHEM 3371-72 and 3117-18; eight term hours of general physics (PHYS 1407-08); MATH 1337; and one additional course chosen from MATH 1338, STAT 2331, and STAT 5371. Although statistics is used extensively in biological research, preprofessional students should be aware that certain medical schools require a full year of calculus. A minimum grade of C- is necessary in all advanced biological sciences courses used to fulfill the B.S. degree requirements.

**The Departmental Distinction Program.** A biological sciences major with sufficiently high academic standing may graduate with departmental distinction by successfully completing a special program of study that includes independent reading and research and a senior thesis under the direction of a member of the departmental faculty. To graduate with departmental distinction, a student must be working toward the degree of Bachelor of Science and must make application to the Undergraduate Studies Committee of the department for this designation during the first term of the junior year. At the time of the application, the student must have completed at least 14 hours of biological sciences, including at least six advanced hours, with a G.P.A. in these courses of at least 3.50 and an overall G.P.A. of at least 3.50. For students who have transferred to SMU, two grade point averages will be calculated, that for all work attempted, and that for work completed at SMU. Admission to the program will be based on the lower of the two averages. With departmental approval, the student will enroll for BIOL 4398 in the second term of the junior year. Upon completion of this course with a grade of B+ or better, the student will enroll during the senior year for BIOL 4399 in which a research project will be carried out and a senior thesis written and presented to the faculty. Performance in these courses and maintenance of a 3.50 G.P.A. for all biological sciences courses attempted will determine if the B.S. degree will be awarded "with departmental distinction."

**Requirements for the B.A. Degree.** This degree program is designed for students who wish to couple training in the biological sciences with a broad liberal arts program. Students who are preparing for medical or dental school should consult with the Premed adviser about additional science requirements. A candidate for the B.A. degree must complete a minimum of eight courses in biological sciences, including 1401 and 1402 and six courses that: 1) total at least 18 term hours, 2)

include at least one course at the 4000 or 5000 level, and 3) include at least two courses with laboratories. The B.A. degree also requires 12 term hours of chemistry, including CHEM 3371 and 3117. A minimum grade of C– is necessary in all advanced biological sciences courses taken to fulfill the B.A. degree requirements.

**Requirements for the B.A. Degree with Teacher Certification.** Students interested in the B.A. degree program with teacher certification in secondary education should confer with the Teacher Certification representative in the department to plan a specific program of study.

**Requirements for the Minor.** Students majoring in other departments may obtain a minor in Biological Sciences by completing BIOL 1401, 1402, 3304, 3350, and an additional advanced three or four hour course that includes a laboratory session. Each advanced course must be taken in residence. A minimum grade of C– is necessary in all advanced biological science courses taken to fulfill the minor degree requirements. CHEM 1303, 1304, 1113, and 1114 also are required for the minor. A student may not earn minors in both Biology and the Natural Sciences.

#### Courses for Nonscience Majors (BIOL)

The courses outlined in this section are designed to satisfy the curricular requirements of nonscience students. They are not open to students who have earned prior credit in BIOL 1401 or 1402. Nonscience majors should note that BIOL 1401 and 1402 may also be taken to satisfy distribution requirements.

**1303, 1304. Essentials of Biology.** An introduction to the major concepts of biological thought for the nonscience major. First term: cell biology, physiology, inheritance, developmental biology and human reproduction; second term: evolution, diversity of plants and animals, and ecology. Includes one laboratory session each week.

**1305. Our Natural Environment.** An introduction to major environments and their resident populations. Offered in summer session at Fort Burgwin, SMU-in-Taos, NM. Includes equivalent of one laboratory session each week.

**1308. Plant Biology.** An introduction to the economic, social, and industrial aspects of plant substances and material. Offered in summer session at Fort Burgwin, SMU-in-Taos. Includes equivalent of one laboratory session each week.

**1310. Aquatic Biology.** An introduction to the biology of lakes and streams of the Southern Rocky Mountains. Lectures and labs will be conducted at Fort Burgwin, New Mexico.

#### Courses for Biology Majors (BIOL)

Students who wish to earn the B.A. or B.S. degree in Biology are encouraged to complete BIOL 1401 and 1402, and CHEM 1303 and 1304 (with labs) in their freshman year. However, with the approval of an academic adviser, a student may postpone BIOL 1401 and 1402 by one or two terms. The Introductory Biology courses are the minimum prerequisite for all advanced Biology courses. The General Chemistry courses are a prerequisite for most advanced Biology courses.

**1401, 1402. Introductory Biology.** An introduction to the study of plants and animals. First term: cell structure, metabolism, and genetics; second term: evolution, diversity, plant and animal physiology, and ecology. Three lecture hours and one three-hour laboratory each week. This two-term offering is a prerequisite for all advanced courses in biological sciences.

**3303. Evolution.** A study of the principles of biological evolution. Includes natural selection, adaptation, molecular evolution, and the formation of new species, the fossil record, biogeography, and principles of classification. Three lecture hours each week. *Prerequisite:* BIOL 1401 and 1402, or permission of instructor.

**3304. Genetics.** An introduction to the structure, function, and transmission of the hereditary material. Three lecture hours each week. *Prerequisites:* BIOL 1401 and CHEM 1304 or permission of instructor.



**134** Dedman College

**3306. Physiology.** Homeostatic control mechanisms in vertebrates. Three lecture hours each week. *Prerequisite:* BIOL 3350.

**3307. Ecology.** Basic principles and concepts of ecology with emphasis on population and community interactions. Three lecture hours each week.

**3342. Plant Kingdom.** A survey of the plant kingdom emphasizing life histories and developmental morphology. Two lecture hours and one three-hour laboratory each week.

**3350. Cell Biology.** The structure and function of cells. Three lecture hours each week. *Corequisite or Prerequisites:* CHEM 1304.

**3354. Parasitology.** Comparative study of protozoa and helminthic parasitic organisms and their role in diseases. Two lecture hours and one three-hour laboratory each week.

**3357. Biology of Invertebrates.** A general survey of the invertebrates with emphasis on identification of local species, morphological adaptations, systematics, and ecology. Two lecture hours and one three-hour laboratory each week.

**3365. Cancer Biology.** Emphasis on the molecular features of oncogenesis and human cancers, including carcinogenesis, metastasis, and roles of genetic mutations and chromosomal aberrations during neoplasia. *Prerequisite:* BIOL 3350.

**3380. Molecular Mechanisms of Disease.** Emphasis on current advances in the understanding of disease processes at the molecular level. *Prerequisite:* BIOL 3350.

**3403. Microbiology.** The biology of microorganisms, with an emphasis on diversity, disease and the environment. Three lecture hours and one three-hour laboratory each week. *Recommended preparation:* CHEM 3371 and CHEM 3117.

**4160. Toxicology Laboratory.** Modern biochemical and molecular techniques will be used to assess the impact of environmental contaminants on liver biomarkers in fish. One three-hour laboratory each week. *Prerequisites:* BIOL 3350 or BIOL 3306; *Corequisite:* BIOL 4360.

**4321. Molecular Biology of Prokaryotes.** Molecular biology of prokaryotic cells with emphasis on molecular genetics, regulatory mechanisms and recombinant DNA technology. A student cannot have previously completed BIOL 5304. *Prerequisites:* BIOL 3304, CHEM 3372, and junior standing.

**4322. Molecular Biology of Eukaryotes.** Structure and function of eukaryotic chromosomes as mediators of gene expression during growth, differentiation, and oncogenesis. A student cannot have previously completed BIOL 5304. *Prerequisites:* BIOL 3304, CHEM 3372, and junior standing.

**4331. Developmental Biology.** Developmental processes in animals. Three lecture hours each week. *Prerequisite:* BIOL 3304.

**4360. Environmental and Human Toxicology.** Introduction to environmental toxicology, focusing on the fate and transport, biotransformation, and biochemical and physiological impacts of pollutants on humans and wildlife. Three lecture hours per week. 3 credits. *Prerequisites:* BIOL 3350 or BIOL 3306; *Corequisite:* BIOL 4160.

**5110. Biological Chemistry Laboratory (CHEM 5110).** One three-hour laboratory period each week. *Prerequisite or Corequisite:* BIOL 5310.

**5166. Vertebrate Anatomy Laboratory (GEOL 5166).** A laboratory course to accompany BIOL/GEOL 5366. Exercises include basic anatomy, dissections, and examinations of fossils. *Corequisite:* BIOL 5366 (GEOL 5366).

**5304. Molecular Biology: Control and Expression of Genetic Information.** DNA structure and replication, control of transcription and translation, and techniques in molecular genetics and recombinant DNA technology. A student cannot have previously completed BIOL 4321 or BIOL 4322. *Prerequisites:* BIOL 3304, CHEM 3372.

**5310. Biological Chemistry: Macromolecular Structure and Function (CHEM 5310).** Introduction to the structure and function of macromolecules of biological importance. Emphasis on nucleic acid and protein structure, enzyme kinetics, carbohydrate and lipid chemistry. Three lecture hours each week. *Prerequisites:* CHEM 3371 and 3372. The accompanying laboratory (BIOL 5110) is strongly recommended for biology majors.

**5311. Biological Chemistry: Metabolism (CHEM 5311).** Introduction to the pathways and regulatory events in the metabolism of carbohydrates, lipids, amino acids, and nucleotides. Three lecture hours per week. *Prerequisites:* CHEM 3371 and 3372.

**5312. Physical Biochemistry (CHEM 5312).** Physical chemistry of macromolecules and biological membranes, with an emphasis on the thermodynamics of solutions. *Prerequisites:* MATH 1338, CHEM 3372, CHEM 5310 (CHEM 5381 or CHEM 5383 is recommended).

**5325. General and Molecular Virology.** Emphasis on the molecular aspects of viral replication and pathogenesis, including the roles of viruses in emerging human infectious diseases, cancer, and bioterrorism. *Prerequisite:* BIOL 3304.

**5358. Ecology of Parasitism.** The biotic and abiotic factors influencing parasite communities. Emphasis on the free-living stages of parasites. Two lecture hours and one three-hour laboratory per week. *Prerequisite:* BIOL 3354.

**5366. Vertebrate Origins and Evolution (GEOL 5366).** An introduction to biological and geological processes that have affected the diversity of vertebrate organisms throughout Earth history, including origination, biogeography, adaptation, and extinction. Strong emphasis on vertebrate anatomy. *Prerequisites:* BIOL 1401, 1402 or GEOL 1308. The accompanying laboratory is a corequisite for biology majors and strongly recommended for all other students.

**5419. Immunobiology.** The immune responses of vertebrate animals. Three lecture hours and one three-hour laboratory each week. *Prerequisite:* BIOL 3350.

#### Special Courses (BIOL)

**2101. Introductory Research I.** A minimum of five hours per week doing supervised laboratory research. This course is offered on a pass/fail basis only. *Prerequisite:* At least sophomore standing, BIOL 1401, 1402, and consent of the instructor.

**2102. Introductory Research II.** A minimum of five hours per week doing supervised laboratory research. This course is offered on a pass/fail basis only. *Prerequisite:* BIOL 2101 and consent of the instructor.

**3395. Internship in Biology.** Biological research at an institution other than SMU. Credit does not apply toward the degree requirement for two laboratory courses. A student cannot have previously completed BIOL 3398.

**3398. Undergraduate Research I.** A minimum of nine hours per week doing research in the laboratory of a faculty member. Credit for this course does not apply toward the degree requirement for two laboratory courses nor can a student have previously completed BIOL 3395. *Prerequisite:* Junior standing, and approval by the faculty sponsor and the Undergraduate Studies Committee of the Department.

**3399. Undergraduate Research II.** This course is offered on a pass/fail basis only, and cannot be applied toward the requirements for the major in Biological Sciences. *Prerequisite:* BIOL 3398, and approval by the faculty sponsor and the Undergraduate Studies Committee of the Department.

**4132. Senior Seminar.** Discussion of current problems of biological interest. One hour each week. *Prerequisite:* Senior standing in biology.

**4390. Current Topics in Biology.** Studies of topics in biology of current interest. Topical content will vary. Credit for this course does not apply toward the degree requirement for a 4000- or 5000-level course.

**4398. Honors Research I.** For students in the departmental distinction program. *Prerequisite:* Admission to the departmental distinction program.

**4399. Honors Research II.** For students in the departmental distinction program. *Prerequisite:* Admission to the departmental distinction program.

#### SMU-in-Taos Courses

**3343. Field Botany.** Identification of vascular plants with emphasis on ecological indicators. Lectures and laboratories conducted at Fort Burgwin, New Mexico, site of SMU-in-Taos.

**3347. Systematic Botany.** An introduction to the history, nomenclature, family characteristics, identification, and biosystematics of the lowering plants. Lectures and laboratories conducted at Fort Burgwin, New Mexico.



**5359. Host-Parasite Relationships.** Analysis of host-parasite relations from an evolutionary and ecological viewpoint. Lectures and laboratories conducted at Fort Burgwin, New Mexico. *Prerequisite:* BIOL 3354.

## CHEMISTRY

Professor Edward Biehl, Department Chair

**Professors:** John Buynak, Michael Lattman, John Maguire, Mark Schell, Patty Wisian-Neilson; **Associate Professors:** Werner Horsthemke, David Son; **Assistant Professor:** Ling Huo; **Adjunct Professor:** Rajan Vempati.

The atmosphere of the Chemistry Department is an informal one where students have easy access to the faculty. The advanced classes are small and most advanced laboratories are taught by the professorial staff. This gives the faculty the opportunity to get to know their undergraduate majors quite well. The Department believes that this close personal contact between faculty and students is important to success in undergraduate education. Undergraduate majors are heavily involved in research, working in teams with faculty, postdoctoral, and graduate students. Our majors are accepted into the leading graduate and professional schools in the nation. On the average, two-thirds of our graduates seek advanced degrees. Those majors at the Bachelor's level who choose employment find excellent positions.

Departmental Web address: <http://www.smu.edu/chemistry>

### For Undergraduate Students

**Requirements for the B.S. Degree.** The completion of a minimum of 44 term hours in the department, including CHEM 1113, 1114, 1303, 1304 (or 1307, 1308), 3351, 3117, 3118, 3371, 3372 (or 3373, 3374), 4397, 5185, 5188, 5192, 5310, 5383, 5384, 5392, 5486, and an additional 5000-level course in chemistry to be chosen in consultation with the departmental adviser. In addition, PHYS 1403, 1404 (or 1407, 1408); MATH 1337, 1338, 2339. A reading knowledge of scientific German or Russian (a minimum of six term hours) is recommended for students planning graduate work in chemistry. This degree is certified by the American Chemical Society for professional training in chemistry.

**Requirements for the B.S. Degree in Environmental Chemistry.** CHEM 1113, 1114, 1303, 1304 (or 1307, 1308), 3351, 3117, 3371, 3372 (or 3373, 3374), 5310, 5383, 5384, 5486, 5390, and either 5392 or GEOL 3451. In addition, PHYS 1403, 1404, (or 1407, 1408); MATH 1337, 1338, 2339; GEOL 6363; at least one introductory environmental science elective, chosen from GEOL 1301, GEOL 1305, GEOL 1315, GEOL 2320, GEOL 2321, ENV 2304 or ENV 2421; at least one advanced environmental science elective, chosen from BIOL 3307, BIOL 3343, GEOL 3353, GEOL 3366, GEOL 5384, ME 5315, ME 5317, or SSH 5333; at least three semester hours of Undergraduate Research (CHEM 4397 or GEOL 4296 at a three credit level) on a topic in environmental chemistry. The research project can be conducted in the laboratory of an SMU faculty member or as an internship with a private company, and will culminate in a written report. Students planning to attend graduate school are advised to complete MATH 2343 or a Statistical Science course at the 4000 or 5000 level. This degree program is certified by the American Chemical Society for professional training in environmental chemistry.

**Requirements for the B.A. Degree.** The completion of a minimum of 26 term hours in the department, including CHEM 1113, 1114, 1303, 1304 (or 1307, 1308), 3371, 3372 (or 3373 or 3374), 3117, 3118, 5381 (or 5383), plus at least seven additional hours at the advanced level, to be chosen in consultation with the department adviser. In addition, PHYS 1403, 1404 (or PHYS 1407, 1408), MATH 1337, and one additional course in math or statistics are required. This degree is not certified by the American Chemical Society.



**The Honors Program.** The Department offers a four-year Honors B.S. degree for highly motivated students. The program begins with CHEM 1307, 1308 in the first year and culminates in a Senior Honors Thesis (4299) with special Honors courses or sections available in the intervening years. Students who have completed CHEM 1303-1304, 1113-1114 may petition the Department to enter the Honors Program after their first year.

**Requirements for the 4-Year combined B.S./M.S.** This program is designed for exceptionally well-prepared students who wish to accelerate their studies in chemistry. By combining summer research with the regular academic year, students in this program can complete the B.S. degree in three years and the M.S. degree after an additional year of study. No requirements for either degree are waived in this program. Students in this program are eligible for the department's Honors courses. For further details contact the Department of Chemistry.

**Requirements for the Minor.** Students majoring in other departments may obtain a minor in chemistry by completing CHEM 1303, 1113, and CHEM 1304, 1114 plus three additional advanced three- or four-hour courses to be chosen in consultation with the Chemistry Department adviser.

#### The Courses (CHEM)

**1301, 1302. Chemistry for Liberal Arts.** A course designed for students with weak backgrounds in chemistry and for liberal-arts students.

**1303, 1304. General Chemistry.** Designed primarily for science majors, pre-med students, and engineering students. Offers an introduction to the fundamental principles and theories of chemistry, including stoichiometry, the structure of matter, energy relationships involved in the transformation of matter, the dynamics of such transformations, and some descriptive chemistry of the important elements. It is a prerequisite to all advanced courses in the department.

**1305, 1306. General Chemistry for Engineering Majors.** Designed primarily for students majoring in engineering. Offers an introduction to the fundamental principles and theories of chemistry with coverage of some topics relating to the chemistry of materials.

**1307, 1308. General Chemistry (Honors).** An honors option to CHEM 1303, 1304 for well-prepared students with a strong interest in chemistry. *Prerequisite:* One year of high school chemistry and permission of instructor.

**1113. General Chemistry Laboratory.** One three-hour laboratory period each week. *Prerequisite or corequisite:* CHEM 1303, 1305, or 1307.

**1114. General Chemistry Laboratory.** One three-hour laboratory period each week. *Prerequisite:* Chemistry 1113; *Prerequisite or corequisite:* CHEM 1304, 1306, or 1308.

**3117. Organic Chemistry Laboratory.** One three-hour laboratory period each week. *Corequisite:* CHEM 3371 or 3373.

**3118. Organic Chemistry Laboratory.** One three-hour laboratory period each week. *Corequisite:* CHEM 3372, or 3374.

**3117H, 3118H. Organic Chemistry Laboratory (Honors).** An honors option to CHEM 3117, 3118. One three-hour laboratory period each week. *Prerequisite:* Permission of instructor.

**3351. Quantitative Analysis.** A course involving the theory and practice of quantitative analytical chemistry techniques including gravimetric, volumetric, electrochemical, and spectroscopic analyses. Three hours of lecture and two four-hour laboratory periods per week for one-half term.

**3371, 3372. Organic Chemistry.** Designed to satisfy the requirements of the chemistry major and health-related professions student. The first term deals primarily with aliphatic chemistry with special emphasis on stereochemistry. The second term emphasizes aromatic substances and the chemistry of biologically relevant molecules. *Prerequisite:* CHEM 1303, 1304.

**3373, 3374. Honors Organic Chemistry.** Covers essentially the same topics as 3371, 3372. However, topics are covered in more depth with a greater theoretical emphasis. Due to the



## 138 Dedman College

small size of the class, greater student participation is possible. *Prerequisite:* Approval of instructor.

**4000. Research.** For students who hold research fellowships but are not enrolled in any credit-hour courses. No tuition.

**4005. Externship.** A zero credit hour course intended for those students who hold externship positions in chemistry in industrial, hospital, or government laboratories. No tuition.

**4197, 4297, 4397; 4198, 4298, 4398. Undergraduate Research.** *Prerequisites:* Junior or senior classification and permission of the instructor. *Prerequisite or corequisite:* CHEM 4177.

**4299. Honors Thesis.** *Prerequisite:* Departmental approval.

### ***Courses for Undergraduate and Graduate Students***

**5108. Special Topics in Chemistry.** Special topics of current interest. Content varies from term to term.

**5110 (BIOL 5110). Biological Chemistry Laboratory.** One three-hour laboratory period each week. *Corequisite:* CHEM 5310.

**5185. Laboratory Methods in Physical Chemistry.** Laboratory experiments with emphasis on thermodynamics, chemical kinetics, and physical biochemistry. One half-hour of lecture and five-hour laboratory period each week for five weeks. *Prerequisite:* CHEM 5381 or 5383.

**5188. Advanced Physical Chemistry Laboratory.** Laboratory experiments with emphasis on chemical kinetics and molecular spectroscopy. One half-hour of lecture and five-hour laboratory period each week for five weeks. *Prerequisite:* CHEM 5185. *Corequisite:* CHEM 5384 or permission of instructor.

**5192. Inorganic Synthesis Laboratory.** This course introduces students to advanced techniques and methods used in the synthesis of inorganic compounds. *Corequisite (or prerequisite):* CHEM 5392.

**5306. Computational Chemistry.** An introduction to the techniques of computer modeling of small to medium-sized organic molecules using advanced graphics workstations. *Prerequisite:* CHEM 3372.

**5308. Special Topics in Chemistry.** Presentation of advanced special topics in chemistry that are at the forefront of current chemical interest. Content varies from term to term.

**5310 (BIOL 5310). Biological Chemistry: Macromolecular Structure and Function.** Introduction to the structure and function of macromolecules of biological importance. Emphasis on nucleic acid and protein structure, enzyme kinetics, carbohydrate and lipid chemistry. Three lecture hours per week. *Prerequisites:* CHEM 3371 (3373) and 3117 (3119).

**5311 (BIOL 5311). Biological Chemistry: Metabolism.** Introduction to the pathways and regulatory events in the metabolism of carbohydrates, lipids, amino acids, and nucleotides. Three lecture hours per week. *Prerequisites:* CHEM 3371 and 3372.

**5312 (BIOL 5312). Physical Biochemistry.** Physical chemistry of macromolecules and biological membranes, with an emphasis on the thermodynamics of solutions. *Prerequisites:* MATH 1338, CHEM 3372, CHEM 5310. (CHEM 5381 or CHEM 5383 is recommended.)

**5333. Introduction to Polymer Chemistry.** This course provides basic information on the synthesis, physical properties, and solution properties of high molecular weight molecules. Plastics, manufacturing, and fabrication of polymers are discussed.

**5335. Advanced Laboratory Methods and Techniques.** This course introduces students to advanced techniques and methods in the synthesis of chemical compounds.

**5381. Physical Chemistry.** Introduction to chemical thermodynamics, kinetics, molecular structure, spectroscopy, and statistical mechanics. Designed for B.A. majors in chemistry. *Prerequisites:* CHEM 1304 (or 1308), PHYS 1106, 1304 (or PHYS 1408), MATH 1337.

**5383. Physical Chemistry I.** Gas laws; kinetic molecular theory; introduction to thermodynamics, with applications to phase transitions and chemical equilibrium; chemical kinetics. *Prerequisites:* PHYS 1106, 1304 (or PHYS 1408); MATH 2339 or permission of instructor.

**5384. Physical Chemistry II.** Elements of quantum mechanics and its description of many electron atoms, bonding, and spectroscopy; intermolecular forces; structure of solids; and transport properties of fluids. *Prerequisite:* CHEM 5383.

**5387. Thermodynamics and Statistical Mechanics of Materials and Solid State Reactions.** Examines the relationship between partition function and thermodynamic variables. Transport properties are derived from random-walk models and kinetic theory. Solid-state reactions, transport at interfaces, phase transformations and nucleation are studied, using techniques from both microscopic and macroscopic theories.

**5390. Environmental Chemistry.** An examination of the chemistry of Earth's environment and of environmental problems caused by human activity. Topics include aquatic and soil chemistry, nuclear chemistry, combustion, alternative energy technologies, atmospheric chemistry and global warming. *Prerequisites:* MATH 1338, PHYS 1303 or 1407, and CHEM 1304. *Recommended:* PHYS 1304 or 1408; and CHEM 5381, CHEM 5383, GEOL 6338.

**5392. Advanced Inorganic Chemistry.** Survey of the bonding, structure, and reactivity of inorganic compounds; coordination, organometallic, and main group element chemistry. Three hours of lecture each week. *Recommended:* CHEM 5384.

**5393. Advanced Organic Chemistry.** Three hours of lecture each week. *Prerequisites:* CHEM 3372 or 3374.

**5395. Advanced Analytical Chemistry.** Three hours of lecture each week. *Prerequisite:* CHEM 5486.

**5396. Advanced Physical Chemistry.** Three hours of lecture each week. *Prerequisite:* Permission of instructor.

**5398. Medicinal Chemistry.** This course will highlight the close relationships of organic chemistry and biochemistry with the field of medicine. The course will rely on the departmental computational laboratory to permit three-dimensional visualization of molecular interactions. Three hours of lecture each week. *Prerequisite:* CHEM 3371 and 3372.

**5486. Instrumental Analysis.** A course involving the theory, operation, and application of instrumentation used in the modern chemical laboratory. Two hours of lecture and two three-hour laboratory periods each week.

## CLASSICAL STUDIES

Assistant Professor Melissa Dowling, Director

The Classical Studies minor offers an integrated program studying the various aspects of the civilization of ancient Greece and Rome. The minor requires 18 term hours, of which at least nine hours must be at the advanced level (3000 or above). Coursework for the minor must be distributed as follows:

A. Classical Languages (Six Hours)

LATN 2311, 2312

(Classical Greek at 2000 level, when available)

B. Classical Studies (At least one course from each group) (12 Hours)

### Group 1 (Art History)

**ARHS 3309** The Etruscans and Early Italy: Art and Culture

**ARHS 3312** Etruscan and Roman Art

**ARHS 3313** Ancient Cities and Sanctuaries

**ARHS 3314** The Art and Architecture of Ancient Pompeii

**ARHS 3315** Classical Sculpture

**ARHS 3317** Ancient Painting

**ARHS 3320** Art of the Roman Empire

**ARHS 4319** Classical Myth and Art

**ARHS 5309** Seminar in Ancient Art

**ARHS 5310** Seminar in Greek Art

**ARHS 5311** Seminar in Roman Art



**Group 2 (History)**

- HIST 2354** Ancient Foundations of Modern Civilization
- HIST 3322** Plato, Poets, and Politics
- HIST 3353** The History of Ancient Greece
- HIST 3354** Warfare and Diplomacy in Antiquity
- HIST 3361** Roman History and the Roman Mind
- HIST 5391** Athenian Democracy
- PHIL 3351** History of Western Philosophy (Ancient)

**Group 3 (Other)**

- ANTH 2321 (ENGL 2321, CFA 3301)** Dawn of Wisdom
- CLAS 2311 (CFA 3311)** Myth and Thought in the Ancient World (SMU-in-Taos)
- CLAS 2332 (CFA 3332)** Society Expanding – Polis and Empire
- CLAS 3311 (ARHS 3311)** Mortals, Myths, and Monuments: Images of Greek and Roman Culture
- ENGL 3315** The Development of Drama I
- ENGL 4362** Heroic Visions: The Epic Poetry of Homer and Vergil
- HIST 3355** Class and Gender in Ancient Society

**The Courses (CLAS)**

**2311 (CFA 3311). Myth and Thought in the Ancient World.** Explores the conceptual and philosophical underpinnings of ancient understandings of reality in Western and non-Western cultures in both ancient and modern times. Materials for investigation will be primarily textual, including myths, epics, tragedies, and philosophical discourse in ancient Greece.

**2332 (CFA 3332). Society Expanding – Polis and Empire.** This course presents a case-study approach to the development of cities, civilizations, and empires from the appearance of urbanism in Mesopotamia to the end of the European Middle Ages, with special reference to political, economic, and religious institutions.

**3311 (ARHS 3311). Mortals, Myths, and Monuments: Images of Greek and Roman Culture.** Focusing exclusively on Greek and Roman antiquity, the course will introduce students to major artistic, literary, and philosophical expressions in their historical framework.

**ECONOMICS**

**Professor Nathan Balke, Department Chair**

**Professors:** Raveendra Batra, Rajat Deb, Tom Fomby, Kathy Hayes, Esfandiar Maasoumi, Daniel Slotje, Shlomo Weber; **Associate Professors:** Thomas Osang, Kamal Saggi, Santanu Roy, Tae Kun Seo; **Assistant Professors:** Pedro Amaral, Yi Deng, Per Fredriksson, Christian Jensen, Daniel Millimet, Saltuk Ozerturk; **Lecturers:** Susan Dadres, Rupinder Saggi.

**Requirements for Major.** The student majoring in economics will be expected to take ECO 1311 and 1312 during the first or sophomore year. All majors must take ECO 1311, 1312, 3301, and 3302, and must have a G.P.A. of at least 2.00 in economics courses attempted. Students must receive at least a C– in all economics and finance classes counting toward the major or minor. Once the major is declared, due progress must be made in terms of course enrollment. If requirements change, the bulletin in force at the time the major is declared prevails.

**Requirements for the B.A. Degree.** The Bachelor of Arts degree in economics is designed primarily for students who want a liberal arts education with an emphasis on economics but with great breadth. This degree shall consist of at least 30 hours in economics, of which no more than six hours may be in courses below the 3000 level. MATH 1309 or 1337 is recommended but not required.

**Requirements for the B.S. Degree.** The Bachelor of Science degree in Economics offers more specialized training in economics and provides a firm basis for graduate study in business, economics, or law by requiring six hours of calculus



(MATH 1337 and 1338); STAT 2301 or 4340; and 24 hours in advanced economics, of which at least six hours must be at the 5000 or above level.

**Requirements for the B.S. Degree with Finance Applications.** The degree combines specialized training in economics with a concentration in areas significant to financial markets, plus three hours each in needed tools of ACCT 2311; MATH 1309 or 1337; STAT 2301 or 4340; and CSE 1340, 1341 or ITOM 3306. This degree is particularly suited to those seeking careers in the financial sector and requires nine hours in financial economics and 18 hours in advanced economics, of which at least six hours must be at the 5000 or above level. Interested students are encouraged to see the departmental adviser before selecting these classes to ensure all requirements are met.

**Requirements for the B.S. Degree with Systems Analysis.** The B.S. degree in economics with systems analysis offers integrated studies in economics, operations research, and computer science. It provides excellent preparation for graduate education in economics, business, or public administration, and for service in both the public and private sectors where quantitative economists provide assistance in policy formulation. Students are required to take MATH 1337, 1338, and 2339; STAT 2301 or 4340; ITOM 3306 or CSE 1340 or 1341 (Operations Research); and nine hours of additional courses in computer science: CSE 2341, 2353, and 3358. This degree also requires 24 hours in advanced economics, of which at least six hours must be at the 5000 or above level.

**Requirements for the Five Year Joint Bachelor and Master's Degree in Economics.** The joint Bachelor and Master's degree in economics provides an excellent opportunity for advanced undergraduates to begin pursuit of a Master's degree while still an undergraduate. Students with a cumulative GPA of 3.0 overall and 3.3 in economics may apply for the program after the fall semester of their junior year. STAT 2301 or equivalent and MATH 1309 or 1337 are required before being admitted into the program (MATH 1338 is recommended). Students must also take ECO 6381 (Analysis I), ECO 6382 (Analysis II), and ECO 5350 (Introduction to Econometrics) before or during their senior year. These nine hours of course work will also apply towards requirements for a Bachelor of Arts or Science in Economics.

Students are eligible for the Master of Economics – Applied Track, Master of Economics – Law and Economics Track, and the Master of Economics – International Economics and Policy Track. All the requirements for the Master and Bachelor Degrees must be met.

Recommended or required preparation for advanced courses is indicated within the course descriptions. Questions concerning specific courses and the undergraduate program in general should be directed to Economics Department personnel. Each student majoring in economics is urged to consult a departmental adviser periodically to review the student's degree plan and progress.

A program leading to graduation with departmental distinction is available.

**Requirements for the Minor.** Students majoring in other departments may obtain a minor in economics by completing ECO 1311, 1312, 3301, 3302, and two advanced courses at the 4000 or 5000 level with a G.P.A. of at least 2.00 in economics courses attempted. Non-lecture classes cannot be used toward an economics minor. No grade lower than C– will be counted.

Instead of a general minor in economics, a minor in a specialized field (International Economics, Public Economics, Labor Economics, Econometrics, Economic Growth and Development, Monetary Economics, Economics of Decision Making, and Economics of Industrial Organization) may be obtained if six hours of 4000- and



## 142 Dedman College

5000-level courses constitute one of the above eight fields currently approved by the Economics Department.

Additional information about the Economics Department is located at the following Web site: [www.smu.edu/economics/](http://www.smu.edu/economics/)

### The Courses (ECO)

**1310. Exploring Economic Issues.** Discusses current economic issues and problems in a suitable manner for students not majoring in economics or related sciences. No prerequisites. No credit is allowed for students who have received credit for ECO 1311 or 1312.

**1311. Principles: Consumers, Firms, and Markets (Microeconomics).** Enables a concerned citizen to make an intelligent appraisal of current controversies relating to consumers and producers. Explains tools of economic analysis. No prerequisites.

**1312. Principles: Inflation, Recession, and Unemployment (Macroeconomics).** The second term of a liberal arts education sequence discusses issues such as inflation, unemployment, and growth from both national and global perspectives. Tools of economic analysis include models of open economies. *Prerequisite:* ECO 1311.

**2320 (PLSC 2320). Introduction to Public Policy.** Presents the institutions and processes by which governments make public policy and examines the substance and impact of public policy in such areas as international political economy and domestic social policy. *Prerequisites:* ECO 1311 and PLSC 1320. Recommended: ECO 1312, and PLSC 1340 or 1380.

**3301. Price Theory (Intermediate Microeconomics).** Considers more advanced problems of consumption, production, and exchange than ECO 1311. *Prerequisites:* ECO 1311 and 1312.

**3302. National Income and Employment (Intermediate Macroeconomics).** Discusses alternative monetary and fiscal policies in the light of advanced macro theory. *Prerequisites:* ECO 1311 and 1312. *Corequisite:* ECO 3301.

**3321. International Economic Policy.** Examines the facts and theories of international trade and finance. Emphasis is placed on analyzing current issues such as the U.S. trade deficit, policies toward multinational firms, and harmonization of fiscal and monetary policies among countries. *Prerequisites:* ECO 1311 and 1312.

**3355. Money and Banking.** Analyzes central and commercial banking for students majoring in economics, business, and related sciences. A student may not receive credit for both ECO 3355 (Money and Banking) and FINA 3330 (Money and Capital Markets). *Prerequisites:* ECO 1311 and 1312.

**4101, 4201, 4301. Topics (to be specified in title).** *Prerequisites:* ECO 3301 and 3302 or permission of instructor.

**4351. Labor Economics.** Survey of economic theory related to labor markets. Topics: Review of wage and employment theories, effect of unions, discrimination, wage structure, and labor migration. *Prerequisite:* ECO 3301.

**4357. International Trade.** Analyzes national and international implications of the trade policies of nations, and the roles played by international organizations. *Prerequisite:* ECO 3301.

**4358. International Macroeconomic Theory and Policy.** (Formerly ECO 4356 International Finance and Investments.) Discusses current problems in international financial transactions by applying open-economy economic analysis. *Prerequisites:* ECO 3301 and 3302.

**4366. Economics of the Public Sector.** Focuses on theoretic principles useful in analyzing the role of government intervention. Topics: Public goods, externalities, free rider problem, voting and social choice models, and public utilities. *Prerequisite:* ECO 3301.

**4368. Foundations of Financial Economics.** Applies the tools of economic analysis to financial decision-making. Topics include the time value of money, risk and return, dividend policy, hedging, mergers and acquisitions, and international financial management. *Prerequisites:* ECO 3301, 3355, ACCT 2311, and STAT 2301 or ITOM 2305 (cannot be taken if student has taken FINA 3320).

**4371. Theory of Industrial Structure.** (Formerly Structure of American Industry.) Development of American industry and antitrust policies. *Prerequisite:* ECO 3301.

**4376. Special Topics in Economic History and Development.** Economic principles are used to explore important and controversial questions. *Prerequisite:* ECO 3301.

**4378. Financial Economics and Investment Behavior.** An overview of investment concepts and an exposure to a range of investment alternatives that form an integral part of financial economics. (Cannot be taken if student has taken FINA 4320 or 4326.) *Prerequisite:* ECO 3368 or FINA 3320 or permission of instructor.

**4382. Economics of Regulated Industries.** Study of public utility, transportation, and other regulated industries. *Prerequisite:* ECO 3301.

**4385. Macroeconomics: Theory and Policy.** Goes beyond “IS-LM” curves to most recent models using disequilibrium analysis, government budget constraint, rational expectations, and other approaches. *Prerequisites:* ECO 3301 and 3302.

**4386. Topics in Monetary Economics.** An in-depth look at current topics in monetary theory and policy. *Prerequisites:* ECO 3301 and 3302.

**4390. Independent Study in Economics.** By arrangement with faculty sponsor and departmental Director of Undergraduate Studies. Requires eligible students to complete a 15- to 20-page paper under the supervision of the faculty sponsor and give an oral presentation of the paper to the faculty sponsor and the Director of Undergraduate Studies at the end of the term. *Prerequisites:* 2.5 G.P.A. in economics classes and completion of those classes appropriate for the paper.

**4391. Development of Economic Doctrine.** Analyzes the development of modern economics. *Prerequisites:* ECO 3301 and 3302.

**4395. Economics Internship.** By arrangement with faculty sponsor and departmental Director of Undergraduate Studies. Eligible students will perform an economic analysis of a particular economics problem at the interning firm or organization. The project will be approved by the student, the faculty sponsor, the Director of Undergraduate Studies, and the interning firm or organization prior to term registration. In addition, the student must complete a 15- to 20-page paper under the supervision of the faculty sponsor and give an oral presentation of the paper to the faculty sponsor and the Director of Undergraduate Studies at the end of the term. *Prerequisites:* 3.00 G.P.A. in economics classes and completion of those classes appropriate for the project.

**4396. Business and Economic Forecasting Internship.** Similar to 4395 but with focus on an econometric analysis appropriate to the interning firm. *Prerequisites:* 3.00 G.P.A. in economics classes and ECO 5350 and 5375.

**4397. Law and Economics Internship.** Similar to 4395 but with focus on the analysis of an issue with economic and legal dimensions appropriate to the interning firm or organization. *Prerequisites:* 3.00 G.P.A. in economics classes and completion of those classes appropriate for the project. Student must have a faculty sponsor and an interning firm or organization prior to enrollment.

**4398. Departmental Distinction in Economics.** By arrangement with departmental Director of Undergraduate Studies. Eligible students must complete a 15- to 20-page research paper under the supervision of the faculty sponsor and present the results of their research before a faculty committee at the end of the term. Student must have a faculty sponsor prior to enrollment. *Prerequisites:* 3.7 G.P.A. in economics classes and 3.5 G.P.A. overall. Student must have a faculty sponsor prior to enrollment.

**4399. Research/Reading Seminar in Economics.** Senior seminar by special arrangement. *Prerequisites:* 3.5 G.P.A. in economics classes (or related major) and 3.0 G.P.A. overall, or permission of instructor.

**5101, 5201, 5301. Topics (to be specified in title).** *Prerequisites:* ECO 3301 and 3302 or permission of instructor.

**5337. Urban Economics.** Analyzes current issues in urban economics from the perspective of economic theory. *Prerequisite:* ECO 3301.

**5340. Decision-Making Under Uncertainty.** Provides a basis for the modeling of decision-making under conditions of incomplete information. *Prerequisites:* ECO 3302, calculus, and basic statistics or probability.



## 144 Dedman College

**5341. Strategic Behavior.** This course will use the tools of game theory to examine the elements of strategic behavior of various economic agents, e.g., firms, consumers, or government. *Prerequisite:* ECO 3301.

**5350. Introductory Econometrics.** Discusses the economic analysis of quantitative data and introduces computer analysis. *Prerequisites:* STAT 2301 or 4340 or ITOM 2305, and MATH 1309 or 1337, and ECO 3301 or permission of instructor.

**5353. Law and Economics.** Provides a framework for and undertakes the analysis of the economic impact of the law. *Prerequisite:* ECO 3301 or equivalent.

**5357. Economics of Human Resources.** The economics of investment in human resources such as education and health. *Prerequisite:* ECO 3301. Recommended: ECO 4351.

**5360. Economic Development.** Examines theories of development and the contribution of each theory to our understanding of the complex process of economic development. From the theories, and based on the evidence, policy implications are derived. *Prerequisites:* ECO 3301 and 3302, or permission of instructor.

**5361. Natural Resources and Energy Economics.** Natural resource supply and demand, nonrenewable natural resources, fundamentals of the energy market. *Prerequisites:* ECO 3301 and 3302.

**5362. Economic Growth.** Examines the facts and theories of economic growth and technological change as well as the role of governments and markets in promoting or impeding economic growth. *Prerequisites:* ECO 3301 and 3302.

**5365. Public Finance.** Analyzes the financial managements of public bodies from local to federal governments. *Prerequisites:* ECO 3301. Recommended: ECO 3302.

**5370. Cost-Benefit Analysis.** The economic foundations of modern cost-benefit analysis in government and industry. *Prerequisite:* ECO 3301 or graduate standing.

**5375. Economic and Business Forecasting.** Presentation of methods used by economists to forecast economic and business trends and ways of evaluating the usefulness of these methods. *Prerequisite:* STAT 2301 or ITOM 2305 or equivalent course.

**5385. Data Mining Techniques for Economists.** A study of data mining techniques used by economists in the fields of applied economics, marketing, and finance. These techniques include classification methods, affinity analysis, and data reduction and exploration methods. *Prerequisite:* ECO 5350 or an equivalent course.

**6352. Applied Econometrics Analysis.** Applications of econometric methods in various branches of economics. *Prerequisite:* ECO 5350 or permission of instructor.

### EDUCATION

The University offers a program of studies in teacher education and recommends candidates for certification by the State Board of Educator Certification (SBEC). The recommendation is based on a candidate's successful completion of 24 term hours in education (EDU) courses and six hours of student teaching. In addition, candidates must pass the TExES examinations. Education courses are designed to include all standards tested on the TExES and to prepare students for the requirements including a major. (Prospective secondary teachers must have majors in appropriate teaching fields.) For more information, please contact the Center for Teacher Education at 214-768-2346. For a general description of the program in teacher education, please refer to Center for Teacher Education in the Academic Program section of the catalog on page 82.

### ENGLISH

**Professor Dennis Foster, Department Chair**

**Professors:** Timothy Crusius, Ezra Greenspan, Ross Murfin, Jack Myers, Jasper Neel, C.W. Smith, Willard Spiegelman, Marshall Terry, Steven Weisenburger; **Associate Professors:** Thomas Arp, Steven Daniels (**Vice Chair**), Michael Holahan, John Lewis, Beth Newman





(**Director of Undergraduate Studies**), Nina Schwartz, Stephen Shepherd (**Director of Graduate Studies**), Rajani Sudan, Bonnie Wheeler (**Director of Medieval Studies**); **Assistant Professors**: Suzanne Bost, Richard Bozorth, David Haynes (**Director of Creative Writing**), Michael Householder, Timothy Rosendale, Martha Satz, Keith Williams; **Adjunct Assistant Professor**: Bruce Levy; **Senior Lecturers**: Carolyn Channell, Annie Laurie Cooper, Jo Goyne (**Director of First-Year Writing**), Pamela Lange, Robert Pocklington, Tom Stone; **Lecturers**: Catherine Civello, Mallory Dubuclet, Diana Grumbles, Mary Jackman, D.J. Kassanoff, Harold Knight, David Mitchell, Pauline Newton, Ashley O'Neill, Kristen Polster, Vanessa Read, Ona Seaney, Kelly Smith.

The Bachelor of Arts in English offers a rich intellectual experience through the study of American, British, and other literature written in English. The course of study engages with contemporary modes of literary inquiry in order to arrive at an understanding of how language, culture, and society work. At the same time, it emphasizes the aesthetic, emotional, and intellectual pleasures of imaginative writing. The degree is appropriate for students who wish to obtain a broad liberal education as a foundation for careers or further study, and is especially recommended as pre-professional training for such fields as law, administration, and business that require high proficiency in written and oral communication and in analytical thinking.

**Requirements for the B.A. Degree.** The major requires a minimum of 33 term hours of English courses, distributed as follows:

I. Core Courses (12 hours total):

**ENGL 2305** Poetry *or* **ENGL 2308** Doing Things With Poems

**ENGL 3304** Contemporary Approaches to Literature, Language, and Culture

**ENGL 3305** Major British Authors I: Chaucer through Pope

*One of the following:*

**ENGL 3306** Major British Authors II: Wordsworth through Yeats

**ENGL 3307** Major American Authors: Emerson through Hemingway

ENGL 3305, 3306, or 3307 (three hours total) is a prerequisite for all 4000-level literature courses. In special cases, one of the courses may be taken concurrently with the first 4000-level course taken by a major.

II. Major Elective Courses (12 hours total):

Courses to be selected from any departmental offerings, with these limitations: no more than six additional hours below the 3000 level, including no more than three hours at the 1000 level. The following courses are not acceptable as major electives: ENGL 1300, 1301, 1302, 1303, 2301, 2303, and 2311.

III. 4000-Level Literature Courses (nine hours total from the following):

**ENGL 4319** Patronage and Power

**ENGL 4320** Allegory and Romance

**ENGL 4323** Chaucer's Earlier Work

**ENGL 4324** Chaucer's *Canterbury Tales*

**ENGL 4327/28** Earlier/Later Renaissance Literature

**ENGL 4329** Spenser and Milton

**ENGL 4331/32** Shakespeare

**ENGL 4335** Restoration Literature

**ENGL 4336** Eighteenth-Century British Literature

**ENGL 4339/40** Earlier/Later Romantic Literature

**ENGL 4341/42** Earlier/Later Victorian Literature

**ENGL 4361/62/63** Writers

**ENGL 4371/72/73** Special Topics



Courses in creative writing (ENGL 4301, 4302, 4303, 4304, and 4391 through 4396) are excluded.

IV. Earlier Literature Corequirement (three hours from among those required in II or III above):

One advanced course (3000-level or above) must deal primarily with literature written in English before 1800. ENGL 3305 (Major British Authors I) and 4331/32 (Shakespeare) are excluded. Courses that fulfill this requirement are ENGL 3311, 3315, 3321, 3327, 3329, 4319, 4320, 4323, 4324, 4327, 4328, 4329, 4335, 4336, 4361, and 4371.

A grade of C– or better must be earned in all courses fulfilling major requirements, and English majors must attain a minimum G.P.A. of 2.00 among all courses attempted for the major.

The Department strongly recommends 12 hours of foreign language for all English majors. Students expecting to undertake graduate study in English should be advised that graduate schools require a knowledge of at least one foreign language.

Secondary-school certification candidates must fulfill the departmental requirements described above. They should consult the departmental advisers on teacher training about further nondepartmental requirements for certification. (Revisions of these requirements may be mandated by the State of Texas; candidates should be alert to the possibilities of changes.)

**The Departmental Distinction Program.** Open to seniors by invitation. To enter the program, a student ordinarily must earn an overall G.P.A. of at least 3.00 by the middle of the junior year, and a 3.50 average or better in courses fulfilling requirements for the major. Candidates for distinction must take ENGL 5349 (Seminar in Literary Theory) in the fall of the senior year. Candidates completing ENGL 5349 with a grade of B+ or better will then choose from the following options: ENGL 5301 Independent Studies (culminating in a Senior Thesis); *or* ENGL 6390-97 Graduate Seminar in English (requires permission of instructor); *or* (for creative writing specialists only) ENGL 4393, 4394, 4395, or 4396 Directed Studies in Poetry Writing or Directed Studies in Fiction Writing. Candidates must earn a B+ or better in the option selected, and attain a 3.50 G.P.A. in all courses counting towards the major and distinction. English 4393-4396, 5301, 5349 may not be used to satisfy the nine hours required in 4000-Level Literature Courses. A minimum of 36 hours is required to graduate with Departmental Distinction.

**Requirements for the Minor in English.** The minor in English requires 15 term hours of course work, no more than six of them in courses numbered below 3000. Minors must take one course each out of the following two groups: ENGL 2305, 2306, 2307; ENGL 3305, 3306, 3307. One literature course at the 4000 level must also be included in the 15 hours. A grade of C- or better must be earned in each course taken to fulfill the requirement for the English minor. (Note: ENGL 1300, 1301, 1302, 1303, and 2311 may not be used to fulfill minor requirements; ENGL 4301, 4302, 4303, 4304, 4391, 4392, 4393, 4394, 4395, and 4396 may not be used to fulfill the 4000-level literature requirement.)

### The Courses (ENGL)

**1300. Foundations for Rhetoric.** Writing paragraphs and short, analytic, thesis-directed essays in response to texts. Work on reading comprehension, principles of effective sentence construction, and punctuation.

**1301. Introduction to College Writing.** The aims and processes of analytical-argumentative discourse. Understanding and evaluating sources. Use of MLA style. Students must earn C- or better.



**1302. First-Year Seminar in Rhetoric: Contemporary Issues.** Introduction to public intellectual life through inquiry into texts and discursive art. Multidisciplinary and multicultural. Analytical-argumentative writing. Research and oral communication components. Students must earn C- or better. *Prerequisite:* ENGL 1301.

**1303. Seminar in Rhetoric for Peer Tutors.** Introduction to public intellectual life through inquiry into texts and discursive art. Multidisciplinary and multicultural. Analytical-argumentative writing. *Open only to students who are Writing Center Peer Tutors. Prerequisite:* Permission of instructor.

**1320. The World of Shakespeare.** Introductory study of eight or nine of Shakespeare's important plays, placing them in historical, intellectual, and cultural contexts.

**1325. Chivalry.** The development of the ideal of chivalry from its origins in the medieval legends of King Arthur to modern literature.

**1350. Tragedy and the Family.** The study of individual tragedies and kindred texts in various genres and from various periods.

**1355. The American Heroine: Fiction and Fact.** Images of the American heroine in popular and traditional literature, studied in terms of their reflection of the evolving roles of American women.

**1360. The Myth of the American West.** The myth and reality of the American West as seen through key works of history, folklore, and fiction, including study of the serious Western novel and the subliterary "western."

**1362. Crafty Worlds.** An introductory study of selected 20th-century novels emphasizing both ideas of modernity and the historical or cultural contexts that generate these ideas.

**1365. Literature of Minorities.** Representative works of African American, Hispanic American, Gay, Asian American, and Native American literature, both in their immediate cultural context and against the background of the larger American culture.

**ENGL 1301 or 2311 or departmental approval is prerequisite to all 2000-level courses:**

**2301. Scientific and Technical Writing.** Designed for students of engineering or of the natural and social sciences.

**2305. Poetry.** Analysis, interpretation, and appreciation of poetry, with attention to critical theory.

**2306. Fiction.** Analysis, interpretation, and appreciation of fiction, with attention to critical theory.

**2307. Drama.** Analysis, interpretation, and appreciation of dramatic works, with attention to critical theory.

**2308. Doing Things With Poems.** Introduction to the study of poems, poets, and how poetry works, focusing on a wide range of English and American writers. Some attention to matters of literary history. *Open only to students in the University Honors Program.*

**2311. Interpreting, Understanding, and Doubting.** Insights from literature, linguistics, philosophy, psychology, and science that explore major modes of interpreting the world in the 20th century and that define what constitutes knowledge in the 21st century. *Open only to students in the University Honors Program.*

**2312. The Ethical, the Catastrophic, and Human Responsibility.** Study of ethical questions derived from history, literature, psychology, anthropology, and philosophy, focused on what constitutes a meaningful life, historical challenges to the bases of ethics, racism, individual freedom, and community responsibility. *Open only to students in the University Honors Program. Prerequisite:* ENGL 2311.

**2313. Peer Tutor Writing: Modern Problems.** Literary representations of social problems, examining both the rights and responsibilities of individuals and the role of social contexts in determining choices. *Open only to students who are Writing Center Peer Tutors. Prerequisite:* Permission of instructor.

**2321 (ANTH 2321, CFA 3301). The Dawn of Wisdom: Ancient Creation Stories from Four**



**Civilizations.** The visions of the cosmos expressed in the art, archaeology, and literature of Egyptian, Mesopotamian, Greco-Roman, and Mayan civilizations, emphasizing the role of human beings as central and responsible actors therein.

**2322. Guilty Pleasures: Crime and Detection Through the Ages.** Examination of classic and not-so-classic detective fiction from Sophocles to the present, focusing primarily on 19th- and 20th-century British and American traditions.

**2323. Female Trouble: Stories of Women.** Exploration through literary texts of the relation between problems women find themselves faced with and a cultural perception that women are themselves a problem, demonstrating how fiction both contributes and responds to such problems.

**2324. Utopias in Literature and Film.** The pervasive appeal of the concept of “utopia” from the 16th century to the present as displayed in literature and in film.

**2325. Love Stories.** Exploration of some of the varied ways in which love has been represented in literature and film from Shakespeare’s day to our own.

**2327. Literary Studies.** An introduction to literary studies based on topics that will vary from semester to semester. Course may be taken more than once for credit.

**2328. Fortune, Fame, and Scandal: The American Dream of Success.** A survey of the pursuit of fame and fortune in classic American novels of business, politics, sports, and show business, with attention to contemporary parallels.

**2391. Introductory Poetry Writing.** Workshop in which student poetry and directed exercises in basic techniques form the content of the course.

**2392. Introductory Fiction Writing.** Workshop in theory and technique, and writing of fiction.

**2412. Ethical Issues and Community Action.** Exploration of major ethical ideas and problems through literary texts, and testing and reflecting upon them through practical involvement in the community. Requires a commitment of time to volunteer community activities. *Open only to students in the University Honors Program.*

**ENGL 1302 or departmental approval is prerequisite to all of the following courses:**

**3199. Directed Studies.** Directed readings in a coherent area of a student’s choice to be approved by the Director of Undergraduate Study and the instructor.

**3304. Contemporary Approaches to Literature, Language, and Culture.** Introduction to contemporary methods of interpreting literature and to linguistic, cultural, and theoretical issues informing these methods. Readings of literary works to develop awareness of differences and limitations in approaches.

**3305. Major British Authors I: Chaucer through Pope.** Introduction to earlier periods of English literature through the study of major authors in their historical context and from varied critical and thematic perspectives.

**3306. Major British Authors II: Wordsworth through Yeats.** Introduction to later periods of English literature through the study of major authors in their historical context and from varied critical and thematic perspectives.

**3307. Major American Authors: Emerson through Hemingway.** Introduction to later periods of American literature through the study of major authors in their historical context and from varied critical and thematic perspectives.

**3309. Advanced Expository Writing.** Emphasis on styles and formats appropriate to academic writing, and on individual problems and needs.

**3311. The English Novel I.** A study of form and theme in selected works from the origins of the English novel to the beginning of the 19th century.

**3312. The English Novel II.** A study of form and theme in the work of selected novelists from the beginning of the 19th century through the 20th century.

**3313. The American Novel I.** A study of form and theme in the work of selected novelists from Cooper to James.

**3314. The American Novel II.** A study of form and theme in the work of selected novelists from James to Faulkner, Bellow, and beyond.



**3317. Fiction and Film.** Analysis of the form and technique of several novels with secondary attention to the effect upon “story” or content of selected film adaptations.

**3318. Modern Poetry.** Modern British and American poetry, including the work of Auden, Eliot, Frost, Moore, Pound, Stevens, and Yeats.

**3319. Comedy.** The development of dramatic comedy from classical models through the contemporary play, with consideration of historical influences.

**3320. Tragedy.** A critical examination and comparative study of the forms taken by the tragic drama of various cultures and historical periods.

**3321. Medieval English Literature.** Survey of a thousand years of English literature, from the Anglo-Saxon period, through the high Middle Ages and the works of Chaucer’s contemporaries, to the late Middle Ages and the dawn of the Renaissance.

**3322. Literature and Myth.** A study of myth as story, as content for literature, and as an analytic term.

**3323. The Tales of Wales from the Time of King Arthur.** Survey of native Welsh literature (in translation) from the sixth to the 20th century. Primary focus on medieval and Arthurian texts and their influence on the British and European literary imagination.

**3325. Heroic Visions: The Epic Poetry of Homer and Vergil.** The literature of classical heroism in works by Homer and Vergil that influenced the epic traditions of English literature.

**3327. Renaissance Drama.** Introduction to the analysis of European Renaissance drama in both text and performance. Focus on dramatic traditions and innovations that characterize the rise of the commercial, secular theater in the Renaissance.

**3329 (CF 3302, MDVL 3329). The World of King Arthur.** Study of Britain’s greatest native hero and one of the world’s most compelling story stocks: the legends of King Arthur and the Knights of the Round Table.

**3330. Non-Western Culture and Literature.** Major 20th-century “third world” literary and cultural texts with emphasis on political and economic contexts of colonialism and post-colonialism.

**3331. Gender, Race, and Class: Non-Western Culture and Literature.** Gender-oriented readings of literary and cultural/historical texts relating the category of gender to categories of race and class.

**3332. Workers, Citizens, Men (CFB 3332).** Examines the construction of contemporary American masculinity through literature and historical, political, and economic contexts. Explores challenges that immigrant and African American men and modern women posed to the genteel model of masculinity.

**3341. Victorian Gender.** The literature and social history of the period, exploring the received “truths” about gender that prevailed in 19th-century Britain and contrasting those “truths” with the responses of contemporaries as well as with the realities that contradict them.

**3342. Writing and the Public Intellectual.** Study and practice of writing for a broad, well informed public, including history and current status of the public intellectual. Includes advanced practice in revising and editing expository prose.

**3345. British Literature From 1900 to 1939.** Topics include the waning of Victorian attitudes toward literature and society; World War I and its impact on British writers; the Modernist revolution. Authors studied include Shaw, Forster, Woolf, Lawrence, Auden, Eliot, Yeats.

**3346. British Literature since World War II.** Topics include the end of the British Empire; rejection of the Modernist aesthetic; feminism in politics and literature. Authors studied include Orwell, Waugh, Lessing, Osborne, Pinter, Bond, Churchill, Thomas, Larkin, Hughes, Amis.

**3348 (CF 3305). Literary Executions: Imagination and Capital Punishment.** The literary treatment of capital punishment in drama, poetry, novel, and biography.

**3349 (CF 3364). Ethical Implications of Children’s Literature.** Examination of children’s literature with emphasis on notions of morality and evil, including issues of colonialism, race, ethnicity, gender, and class.



**3351. American Literature to 1855.** Prose and poetry from colonial times through the romantic dilemma, with emphasis on Edwards, Franklin, Poe, Emerson, Thoreau, Hawthorne, and Melville.

**3352. American Literature from 1855 to 1900.** The turn toward vernacular and the “common-place,” and the development of major voices in American literature.

**3354. Contemporary Fiction.** The contemporary response to typically “modern” dilemmas in authors such as Nabokov, Bellow, Robbe-Grillet, Borges, Pynchon, and Beckett.

**3355. Contemporary Poetry.** Major trends in American poetry since 1945, with special consideration of such representative and important figures as Ashbery, Bishop, Lowell, Merrill, and Rich.

**3356. Social Action and Social Vision in American Literature.** Exploration of American social problems through imaginative literature and other writings that raise issues of race, gender, and class.

**3357 (CF 3363, HIST 3357). Joan of Arc: History, Literature, and Film.** The life and later reception of the extraordinary peasant girl, Joan of Arc (ca. 1412 to 1431), who in the two years before she was burned at the stake changed the course of European history.

**3358. Literature and the Construction of Homosexuality.** A historical exploration of how same-sex desire has been represented and understood in modern literature, as considered in the context of philosophical, religious, and scientific texts since the ancient world.

**3359 (FL 3359). Masculinities: Images and Perspectives.** The representation of male sex roles in Western literature, from Achilles to James Bond. Open to juniors and seniors; sophomores by permission of instructors.

**3361. Literature and Society.** The relationship of literature to various social concerns and contexts. Themes and writers studied will vary each term.

**3362. Literature and Belief.** Study of the expression in literature of ultimate concerns, such as faith, identity, nature, time, and mortality. Themes and writers will vary each term.

**3363 (CF 3345). Literature of Religious Reflection.** Issues of faith and doubt in British and American literature, drawn from texts reflecting Christian humanism, secular rationalism, individualistic romantic faith, and scientific modernism and other modern alternatives.

**3365. American Literature from 1900 to 1940.** Beginnings of the modern spirit and development of new literary forms in the work of such authors as James, Stevens, Eliot, Frost, Faulkner, Hemingway, Cather, and Wharton.

**3366. American Literature since 1940.** Values and attitudes in transition in the work of major American writers of the past 60 years, such as Barth, Mailer, Pynchon, Walker, and Flannery O’Connor.

**3367. African American Literature.** Major African American writers and their works, and various social and historical influences.

**3368. Literature of the Southwest.** Nineteenth- and 20th-century Anglo, Hispanic, and Native American literature of the Southwestern United States.

**3369 (CF 3398). Jewish American Literature and Culture.** An interdisciplinary introduction to Jewish culture through literature, especially in the American environment, as well as to the issues in studying any distinctive ethnic and cultural literature.

**3370 (CF 3370). Women and the Southwest.** A study and exploration of women writers, artists, and thinkers in the American Southwest and their vision of this region as singularly hospitable to women’s culture.

**3371. Chicana/Chicano Literature.** A broad examination of major 20th-century Mexican American writers and their works in the context of various social, geographic, political, and historical influences. Some knowledge of Spanish will be helpful to students, but is not a prerequisite for the course.

**3372. History of U.S. Hispanic Literature.** Historical overview examining the literary heritage of Hispanics within the United States borders, beginning with Spanish colonial explorers in the 17th century and continuing into the present. Some knowledge of Spanish will be helpful to students, but is not a prerequisite for the course.



**3373. Narrative, Religion, and the Construction of Belief.** Narrative as foundation of religion and as primary agent in the construction of belief, with comparative reading and analysis of texts from a wide variety of religious, philosophical, and literary traditions.

**3374. History of the Book in America, 1620-1900.** A multidisciplinary survey of print culture in the United States exploring literary, historical, technological, legal, and sociological factors that shaped the formations, uses, and dynamics of print in our society.

**3375. Expatriate Writers: The Invention of Modernism.** Introduction to the rise of literary modernism in early 20<sup>th</sup>-century Europe through selected readings of expatriate authors working in Paris.

**3376. The History of the English Language.** The development of English from Anglo-Saxon to the present.

**3377. Structure of the English Language.** A linguistic introduction to present day American English as spoken and written. Topics include theory and description, basic grammatical structures, and their application to writing and regional and stylistic variation.

**3380 (CF 3380). The Literature of Vision.** An examination of the ways in which prophets and imaginative writers have sought to communicate the source, content, and meaning of "things invisible to mortal sight," whether as a consummation of or a challenge to the leading ideas of their time.

**3391. Intermediate Poetry Writing.** *Prerequisite:* ENGL 2391 or permission of instructor.

**3392. Intermediate Fiction Writing.** *Prerequisite:* ENGL 2392 or permission of instructor.

**3398. English Studies Internship.** Work experience related to English studies, with instruction in professional communication. Workshop format, one-on-one consultation with instructor. *Prerequisite:* Open only to junior and senior English majors by permission of instructor.

**3399. Directed Studies.** Directed readings in a coherent area of a student's choice, to be approved by the Director of Undergraduate Studies and the instructor.

**4301, 4303. Craft of Poetry I, II.** Examination of various readings for their usefulness from a poet's point of view. Emphasis on observation of technique rather than on interpretation. *Prerequisite 4301:* ENGL 2391. *Prerequisite 4303:* ENGL 4301.

**4302, 4304. Craft of Fiction I, II.** Examination of various readings for their usefulness from a fiction writer's point of view. Emphasis on observation of technique rather than on interpretation. *Prerequisite 4302:* ENGL 2392. *Prerequisite 4304:* ENGL 4302.

**ENGL 3305, 3306, or 3307 or departmental approval is prerequisite to all courses numbered 4319 through 4373:**

**4319. Power and Patronage, Manuscript and Milieu.** An exploration of the means and motivations behind the production and representation (medieval and modern) of some of the most important English texts of the later Middle Ages.

**4320. Allegory and Romance.** A study of two of the most influential kinds of English literature written between the 13th and 15th centuries.

**4323. Chaucer's Earlier Work.** Introduction to the early poetry of Geoffrey Chaucer, to medieval poetics, and to reading skills in Middle English.

**4324. Chaucer's *Canterbury Tales*.** Introduction to Geoffrey Chaucer's *Canterbury Tales*, to medieval poetics, and to reading skills in Middle English.

**4327. Earlier Renaissance Literature.** The literature of the 16th century, from More's *Utopia* and the lyrics of Wyatt and Surrey to Shakespeare's *Sonnets* and Spenser's *The Faerie Queene*.

**4328. Later Renaissance Literature.** The poetry, prose, and drama of the first half of the 17th century, exclusive of Milton, with emphasis on Jonson, Donne, Herbert, Marvell, Browne, and Bacon.

**4329. The Poetry of Spenser and Milton.** Two major authors of the English Renaissance and recent criticism concerning their achievements in different literary genres.

**4331. Shakespeare.** A careful study of nine or 10 plays concentrating upon the histories, comedies, and earlier tragedies.



**152** Dedman College

**4332. Shakespeare.** A careful study of nine or 10 plays concentrating upon the later tragedies and the last plays.

**4335. Restoration Literature.** Literature of the later 17<sup>th</sup> century with emphasis on Milton, Dryden, and the Restoration dramatists.

**4336. Eighteenth-Century British Literature.** Study of major and minor figures of the 18<sup>th</sup> century in the context of literary history, cultural studies, and the political issues of the period.

**4339. Earlier Romantic Literature.** An introduction to Romanticism, poetry and prose, with emphasis on Blake, Wordsworth, and Coleridge.

**4340. Later Romantic Literature.** Romanticism continued, with emphasis on the poetry and prose of Byron, Keats, Shelley, Austen, and Emily Brontë.

**4341. Earlier Victorian Literature.** Social, intellectual, and artistic concerns in the works of Tennyson, Browning, Arnold, and selected 19<sup>th</sup>-century novelists and prose writers.

**4342. Later Victorian Literature.** The movement toward modern literature and ideas in Rossetti, Swinburne, Hopkins, and selected 19<sup>th</sup>-century novelists and prose writers.

**4361, 4362, 4363. Writers.** Intensive study of one or more writers. Writers will vary each term.

**4371, 4372, 4373. Special Topics.** Intensive study of a specific topic in literature. May include literary history, theory, and cultural contexts. Topics will vary each term.

**4391. Advanced Poetry Writing.** An advanced course for students seriously interested in the composition of poetry. *Prerequisite:* ENGL 3391 or permission of instructor. May be repeated for additional credit.

**4392. Advanced Fiction Writing.** An advanced course for students seriously interested in writing the short story or novel. *Prerequisite:* ENGL 3392 or permission of instructor. May be repeated for additional credit.

**4393, 4395. Directed Studies in Poetry Writing.** *Prerequisite:* Open only to advanced students by permission of instructor.

**4394, 4396. Directed Studies in Fiction Writing.** *Prerequisite:* Open only to advanced students by permission of instructor.

**5301, 5302, 5303, 5304. Independent Studies.** Directed readings in an area of the student's choice, to be approved by the Director of Undergraduate Studies and the instructor. A substantial amount of critical writing will be required. *Open only to candidates for Departmental Distinction and to graduate students.*

**5310. Discourse in the Social Sciences.** History, characteristics, and functions of scientific writing with a focus on the rhetoric of inquiry and science as persuasion. Practice in editing scientific prose. *Prerequisite:* Permission of instructor.

**5349. Seminar in Literary Theory.** A seminar for candidates for departmental distinction, designed to acquaint them with particular approaches to literature. *Prerequisite:* Permission of instructor.

**5371 (ANTH 5359). Linguistics: General.** Introduction to the study of language as a part of human culture.

**5388. Seminar in Teaching Writing.** Contemporary theory and practice of teaching writing: discourse and rhetorical theory, conferencing and small group work, designing composition curricula, writing in all disciplines. Special emphasis on argumentation and persuasion.

***The Creative Writing Specialization Within  
the English Major***

Students pursuing a Creative Writing Specialization within the English major must fulfill all requirements for the English major. All 12 elective hours within the regular major will be devoted to courses selected from the list below. No more than 12 of these hours will be credited toward the requirements for the major, though additional English courses of all kinds are encouraged.

**ENGL 2391** Introductory Poetry Writing.



- ENGL 2392** Introductory Fiction Writing.
- ENGL 3391** Intermediate Poetry Writing. *Prerequisite:* ENGL 2391 or permission of instructor.
- ENGL 3392** Intermediate Fiction Writing. *Prerequisite:* ENGL 2392 or permission of instructor.
- ENGL 4301** Craft of Poetry I. *Prerequisite:* ENGL 2391 or permission of instructor.
- ENGL 4302** Craft of Fiction I. *Prerequisite:* ENGL 2392 or permission of instructor.
- ENGL 4303** Craft of Poetry II. *Prerequisite:* ENGL 4301 or permission of instructor.
- ENGL 4304** Craft of Fiction II. *Prerequisite:* ENGL 4302 or permission of instructor.
- ENGL 4391** Advanced Poetry Writing. *Prerequisite:* ENGL 3391 or permission of instructor.
- ENGL 4392** Advanced Fiction Writing. *Prerequisite:* ENGL 3392 or permission of instructor.
- ENGL 4393, 4395** Directed Studies in Poetry Writing. *Prerequisite:* Permission of instructor.
- ENGL 4394, 4396** Directed Studies in Fiction Writing. *Prerequisite:* Permission of instructor.

Students may apply to individual instructors for Directed Study in Poetry or in Fiction only if they have completed 12 hours in Creative Writing courses, with at least nine of those hours in the genre in which the student is applying.

### ENVIRONMENTAL SCIENCE

**Coordinating Committee: Assistant Professor and Director** Bonnie Jacobs (Environmental Science Program); **Professor** Michael Lattman (Chemistry); **Professor** Larry Ruben (Biological Sciences); **Professor** Robert Gregory (Geological Sciences).

**Chemistry: Professors:** Edward Biehl, Michael Lattman, John Maguire, Patty Wisian-Neilson; **Associate Professors:** John Buynak, Werner Horsthemke, Mark Schell; **Assistant Professor:** David Son. **Geological Sciences: Professors:** David Blackwell, Robert Gregory, Eugene Herrin, Louis Jacobs, Brian Stump, John Walther, Crayton Yapp; **Assistant Professor:** Neil J. Tabor; **Adjunct Associate Professor:** T. Fiorillo, A. Winkler, D. Winkler; **Biological Sciences: Professors:** Christine Buchanan, William Orr, John Ubelaker, Steven Vik; **Associate Professor:** Richard Jones; **Assistant Professors:** Robert Harrod, Pia Vogel; **Lecturer:** Eva Oberdörster.

The natural systems that constitute the Earth's environment are in continuous mutual interaction. These interactions occur on spatial scales that range from microscopic to global and on temporal scales that range from fractions of a second to millions of years. Scientific efforts to understand how the activities of humans affect the workings of such a complex arrangement must properly involve the identification and study of the fundamental processes operating at present in the Earth's environment. Furthermore, to apply such knowledge with skill, insight and perspective, information must also be acquired on the extent to which ancient environmental conditions on the Earth may have differed from those observed today, and how such changes affected life on the planet. An intellectual and practical scientific problem of such vast scope must be approached in an interdisciplinary manner. This interdisciplinary requirement is important not only for students who will become professional environmental scientists, but also for those who want a solid scientific foundation for post-graduate training in environmental law, public policy, business, and other fields.

The program includes a set of "core" courses that provide the student with the necessary background in chemistry, earth science, physics, biology and mathematics to move into an earth science, chemistry, or biology emphasis in the upper division courses. All Environmental Science majors will come together their senior year in a multidisciplinary seminar in Environmental Science. Juniors and seniors may do an internship (e.g., with an environmental lawyer, an assessment and remediation company, or a nonprofit agency) for course credit and by special arrangement.

A total of 122 credits is required for a Bachelor's of Science in Environmental Science. Included are 30 credits in General Education, 24 credits as Free Electives



**154** Dedman College

(can be 27 credits if the Information Technology requirement is satisfied with the Environmental Sciences Program), 50 credits of core courses, and 18 credits of Environmental Science electives taken with an emphasis in Chemistry, Earth Science, or Biology.

**Core Courses  
(50 course credits)**

***Biology (7 credits):***

**BIOL 1402** Introductory Biology II

**BIOL 3307** Ecology

***Chemistry (15 or 16 credits):***

**CHEM 1303** General Chemistry I

**CHEM 1113** General Chemistry I Laboratory

**CHEM 1304** General Chemistry II

**CHEM 1114** General Chemistry II Laboratory

**CHEM 3371** Organic Chemistry I

**CHEM 3117** Organic Chemistry I Laboratory

*and either*

**CHEM 3372 and 3118** Organic Chemistry II *and* Organic Chemistry II Laboratory *or*

**CHEM 3351** Quantitative Analysis

***Geological Sciences (11 credits):***

**GEOL 1301** Earth Systems *or*

**GEOL 1315** Environmental Sciences

**GEOL 3451** Earth Materials I

**GEOL 3452** Earth Materials II

***Mathematics (6 credits):***

**MATH 1337** Calculus I

**MATH 1338** Calculus II

***Physics (8 credits):***

**PHYS 1303** Introductory Mechanics *and*

**PHYS 1105** General Physics Laboratory I *or*

**PHYS 1407** General Physics I

**PHYS 1304** Introductory Electricity and Magnetism *and*

**PHYS 1106** General Physics Laboratory II *or*

**PHYS 1408** General Physics II

***Environmental Science (3 credits):***

**GEOL 3363** Environmental Geology Seminar

**Chemistry Emphasis, Upper-division Courses  
(18 credit hours)**

***Required (9 or 10 credits):***

**CHEM 3359** Inorganic Chemistry I

**CHEM 3372 and 3118** Organic Chemistry II *and* Organic Chemistry II Laboratory *or*

**CHEM 3351** Quantitative Analysis

**CHEM 5381** Physical Chemistry *or* **5383** Physical Chemistry I

***Electives (choose 9 or more credits):***

**CHEM 4197, 4297, or 4397** Research

**CHEM 5390** Environmental Chemistry

**GEOL 3366** Environmental Geology and Geochemical Cycles

**GEOL 5384** Hydrogeology

**GEOL 5386** Geochemistry

**GEOL 3353** Modern and Ancient Climates

**GEOL 5338** Thermodynamics and Geologic Processes  
**ME 5317** Groundwater Hydrology and Contamination

**Earth Sciences Emphasis, Upper-division Electives  
 (choose 18 credit hours)**

**CHEM 3351** Quantitative Analysis  
**CHEM 3359** Inorganic Chemistry  
**CHEM 3372 and 3118** Organic Chemistry II and Organic Chemistry II Laboratory  
**CHEM 5381 or 5383** Physical Chemistry or Physical Chemistry I  
**CHEM 5390** Environmental Chemistry  
**GEOL 3353** Modern and Ancient Climates  
**GEOL 3360 or 5398** Process Geomorphology or global geomorphology  
**GEOL 3366** Environmental Geology and Geochemical Cycles  
**GEOL 3369** Paleobiology  
**GEOL 3454** Structural Geology  
**GEOL 3472** Sedimentology  
**GEOL 4296 and/or 4298** Integrative Research (up to 4 credits) or **GEOL 4321** internship in geoscience  
**GEOL 4390** Geophysical Prospecting  
**GEOL 5338** Thermodynamics and Geologic Processes  
**GEOL 5368** Paleocology  
**GEOL 5384** Hydrogeology  
**GEOL 5386** Geochemistry  
**ME 2342** Fluid Mechanics  
**ENCE 3341** Introduction to Solid and Hazardous Waste Management  
**STAT 2331 or 4340** Introduction to Statistical Methods or Statistical Methods for Engineers and Applied Scientists

**Biology Emphasis  
 (18 credit hours)**

**Required (4 credits)**

**BIOL 1401** Introductory Biology I

**Electives (choose 14 or more credits)**

**BIOL 3303** Evolution  
**BIOL 3304** Genetics  
**BIOL 3306** Physiology  
**BIOL 3342** Plant Kingdom  
**BIOL 3343** Field Botany (Taos)  
**BIOL 3347** Systematic Botany (Taos)  
**GEOL 3353** Modern And Ancient Climates  
**BIOL 3354** Parasitology  
**BIOL 3357** Biology Of The Invertebrates  
**BIOL 3403** Microbiology  
**BIOL 5166** Vertebrate Anatomy Lab (Corequisite **BIOL 5366**)  
**BIOL 5366** Vertebrate Origins And Evolution (Corequisite **BIOL 5166**)  
**BIOL 5110** Biological Chemistry Lab (Co- or Prerequisite **BIOL 5310**)  
**BIOL 5311** Biological Chemistry: Metabolism

**ETHNIC STUDIES**

**Professor Kenneth Hamilton, Director**

Ethnic Studies offers an interdisciplinary program that examines the African-American and Mexican-American experiences through the social sciences and humanities. The program offers instruction in important periods of African, Mexican, and American history, probing the roots of traditions beginning in early African



and pre-Columbian cultures, as well as examining minorities in contemporary U.S. society.

This program provides good preparation for graduate work in the social sciences, the humanities, and professional schools, as well as jobs and careers in many fields. Education, law, journalism, urban planning, business, social work, and politics are a few of the fields for which Ethnic Studies provides a strong background.

**Requirements for Majors and Minors.** Under Ethnic Studies, the following options are offered:

- The major leading to the Bachelor of Arts in Ethnic Studies with specialization in either African and African-American Studies (33 hours) or Mexican-American Studies (34 hours).
- The major leading to the Bachelor of Science in Ethnic Studies with specialization in either African and African-American Studies (36 hours) or Mexican-American Studies (37 hours).
- The minor in African and African-American Studies (18 hours).
- The minor in Mexican-American Studies (19 hours).

Courses to fulfill the requirements for the above should be selected in consultation with the director.

I. **Bachelor of Arts.** The B.A. option focuses more on the humanities than the social sciences and, consequently, requires less work in methodology and statistics.

A. **Foundation.** Six hours required of all students majoring in Ethnic Studies. **ETST 2301** Race and Ethnicity in the United States (Co-listed **SOCI 3305** and **CFA 3310**)

**SOCI 3370** Minority-Dominant Relations

B. **Basic Courses.** Eighteen hours comprised of the minor in African and African-American Studies, and 19 hours comprised of the minor in Mexican-American Studies form the basis of the Ethnic Studies major.

1. African and African-American Studies minor (nine of the 18 hours required must be at the 3000 level or above):

a. Nine hours of core courses are required.

**HIST 2392** Modern Africa

**HIST 3313** Blacks in the United States, 1607 to 1877

**HIST 3314** Blacks in the United States, 1877 to the Present

b. Nine hours of additional basic courses, of which six must be outside History.

**ANTH 3314** Peoples of Africa

**ARHS 3371** Traditional Arts of Africa

**ENGL 3367** African-American Literature

**HIST 2391** Africa to the 19th Century

**HIST 3304** Blacks and the Civil Rights Movement

**HIST 3378** Problems in African History

**HIST 3388** The African-American Urban Experience, 1865-1980

**HIST 5341** Seminar in American History: African Slavery in the U.S.

**MUHI 3340** Jazz: Tradition and Transformation

2. Mexican-American Studies minor (10 of the 19 hours required must be at the 3000 level or above):

a. Ten hours of core courses are required.

**ETST 4352** Conversations and Community (Co-listed **SPAN 4352**)

**HIST 3324** Mexican Americans, 1848 to the Present

- SOCI 3372** Chicanos in the Southwest  
**SPAN 1401** Beginning Spanish (or higher level)
- b. Nine hours of additional basic courses selected from the following:  
**ANTH 3312** Meso-American Archaeology  
**ARHS 3383** Ancient Maya  
**ARHS 3379** Aztecs Before and After Conquest  
**ENGL 3371** Chicano/Chicana Literature  
**ENGL 3372** History of U.S. Hispanic Literature  
**FL 3306** Chicano Cultural Heritage  
**HIST 3305** Hispanos of New Mexico, 1848 to the Present  
**HIST 3308** History of Hispanics in the United States through Film  
**HIST 3382** History of Mexico  
**HIST 5330, 5331** Seminar in Mexican-American History
- C. **Cross-Cultural Requirement.** Ethnic Studies majors in the African and African-American option are required to take three hours in Mexican-American Studies. Majors in the Mexican-American Studies option are required to take three hours in African-American Studies.
- D. **Supporting Courses.** Six hours of other courses related to ethnicity must be selected from the following:  
**ANTH 3348** Asians and the American Public Imagination  
**ANTH 3353** Indians of North America  
**ANTH 3361** Language in Culture and Society  
**ANTH 3368 (SOCI 3368)** Urban Problems: A Cross-Cultural Perspective  
**ENGL 1365** Literature of Minorities  
**ENGL 3330** Non-Western Culture and Literature: Africa, the Caribbean, South Asia  
**ENGL 3331** Gender, Race, and Class: Non-Western Culture and Literature  
**ENGL 3369** Jewish American Literature and Culture  
**ETST 2305** Internship in Ethnic Studies  
**HIST 2380** Ethnic Regions in the “Western World”  
**PLSC 4337** Civil Rights  
**RELI 3324** The Jewish Experience in America
- II. **Bachelor of Science.** Thirty-six hours are required to complete the B.S. option in African and African-American Studies. Thirty-seven hours are required to complete the B.S. option in Mexican-American Studies. The same pattern of courses is required as for the B.A. degree with the addition of six hours of required methods courses, three of which may substitute for three hours of supporting courses:  
**SOCI 4311** Research Methods *and*  
**STAT 2301** Statistics for Modern Business Decisions *or*  
**STAT 2331** Introduction to Statistical Methods

### EVENING DEGREE PROGRAM

Kathi Watts, **Director**

The Evening Degree Program offers multidisciplinary Bachelor of Humanities and Bachelor of Social Sciences degrees for students who wish to complete their undergraduate education in the evening on a part-time basis. Applicants must have earned at least 45 term hours of transferable course work with a 2.50 G.P.A. and meet the University's admission requirements for transfer students.

The Bachelor of Humanities degree requires the completion of 36 term hours in course work taken from the following disciplines: art history, English literature, foreign languages, history, philosophy, and religious studies.



The Bachelor of Sciences degree requires the completion of 36 term hours in course work taken in psychology, sociology, economics, anthropology, and political science.

Up to 45 term hours of electives may be earned for each degree.

For details concerning admission and program requirements, contact the Evening Studies Office, Southern Methodist University, 6410 N. Ownby, PO Box 750382, Dallas TX 75275-0382; phone 214-768-6483; Web site [www.smu.edu/evening\\_bachelors](http://www.smu.edu/evening_bachelors).

### FOREIGN LANGUAGES AND LITERATURES

Associate Professor Gordon Birrell, Department Chair

**Chinese: Senior Lecturer:** Lisa Ahnert; **French: Professor:** André Winandy; **Associate Professor:** William Beauchamp; **Assistant Professors:** David Aldstadt, Dayna Oscherwitz; **Senior Lecturer:** Rita Winandy; **Lecturers:** Gwen Aaron, Paola Buckley, Martha Nichols-Pecceu; **Adjunct Lecturers:** Thérèse Bishara, Sumita Doré, Heather Garrett-Pelletier, Kathleen Hugley-Cook; **German: Associate Professors:** Gordon Birrell, Marie-Luise Gätgens, Jutta Van Selm; **Hindi: Adjunct Lecturer:** Manju Bansal; **Italian: Associate Professor:** Vincenzo DeNardo; **Lecturers:** Brandy Alvarez, Teresa Brentegani, Paola Buckley; **Adjunct Lecturer:** Sandra Haas; **Japanese: Lecturer:** Nobuko Taguchi; **Adjunct Lecturer:** Tomiko Stahl; **Latin: Adjunct Lecturer:** Paula Lemmon; **Russian: Adjunct Lecturer:** Tatiana Zimakova; **Spanish: Assistant Professors:** Olga Colbert, Denise DuPont, Richard Gordon, Eric Kartchner, Luis Maldonado-Peña, Francisco Morán, Elizabeth Russ; **Senior Lecturers:** Verónica León, Betty Nelson; **Lecturers:** Pilar Chamorro, George Henson, Linda Koski, Angie Morón-Nozalea, Luis Polanco, Milagros Sánchez-García, Jacqueline Wald, Daniel Wiegman; **Adjunct Lecturer:** Cristina Gonzales-Boles, Peggy Patterson.

The B.A. degree is offered in French, German, German Area Studies, Italian Area Studies, Spanish, and Foreign Languages.

*Academic minors* are available in Chinese, French, German, German Area Studies, Italian, Italian Area Studies, Japanese, Russian Area Studies, and Spanish.

#### Requirements for Departmental Distinction

1. Overall 3.50 G.P.A. by the middle of the junior year.
2. Overall 3.75 G.P.A. in the major by the middle of the junior year.
3. Invitation of area faculty after the area as a whole has discussed the student's candidacy.
4. Two extra courses beyond the requirements for the major. One course must include a major research paper, to be undertaken and completed in the first term of the candidate's senior year.

#### B.A. in Foreign Languages

Students wishing to specialize in two foreign languages may receive the B.A. degree in Foreign Languages by completing the requirements for the minor plus two additional advanced courses in Language I, and by completing the requirements for the minor in Language II. Courses are to be selected in consultation with the major adviser in Language I. Minors in area studies may not be applied to this major.

#### Chinese

**Requirements for the Minor in Chinese:** Seventeen term hours, including 14 hours of language training, beginning with the intermediate level, as well as one course in Chinese culture, history, literature or political science, as follows:

**CHIN 2401 and 2402**

**CHIN 3311 and 3312**

One course from the following:

**CHIN 4381, FL 3310, 3312, 3325; HIST 3393, 3398; or PLSC 3352**

#### The Courses (CHIN)

**1401, 1402. Beginning Chinese.** Introduction to spoken and written Mandarin Chinese. Course emphasizes intensive drills in sounds and tones, sentence structure, and a vocabulary



of 500 characters. Students attend three weekly master classes plus two hours of practice in small groups. Computer, video, and audio assignments are required. Four credits per term. *Prerequisite for 1402:* C- or better in 1401 or permission of area chair.

**2401, 2402. Intermediate Chinese.** Enhances basic language skills learned in Beginning Chinese but focuses on language proficiency, particularly in the areas of description, narration, correspondence, and comparisons based on situational context. Students attend four weekly classes. Video and audio materials are used. Four credits per term. *Prerequisite for 2401:* C- or better in CHIN 1402 or permission of area chair. *Prerequisite for 2402:* C- or better in CHIN 2401 or permission of area chair.

**3311. Advanced Chinese.** Emphasizes the requirement of skills in Mandarin Chinese through the study of selected topics in contemporary Chinese culture and society. Students develop the ability to express themselves in sustained oral and written forms. *Prerequisite:* Beginning and Intermediate Chinese.

**3312. Advanced Chinese.** (Second Term) Enhances students' proficiency in Mandarin Chinese through a multimedia software program. Special concentration is given to China's current affairs through the use of authentic journalistic materials – television news and newspaper reports. *Prerequisite:* CHIN 3311.

**4185, 4285, 4385. Internship in Chinese.** Offers students experience in organizations where knowledge of Chinese and the cultures of Chinese-speaking countries is relevant: Corporations involved in international business, government agencies, health clinics, etc. *Prerequisite:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Chinese of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation.

**4381. Readings in Chinese Literature and Culture.** An upper-level course designed for students who have finished third-year Chinese. Students will enhance their four language skills, especially reading and writing, through a wide variety of primary, unedited texts. *Prerequisite:* CHIN 3312 or consent of area chair.

#### **Foreign Literature Courses in English**

(See course descriptions at end of Foreign Languages and Literatures section.)

**FL 3310** Transnational Chinese Cinema

**FL 3312** Women in Modern China

**FL 3325** Perspectives on Modern China

#### **French**

All courses are conducted in French.

**Requirements for the B.A. Degree in French:** Thirty-two credit hours, including FREN 2401 or the equivalent, and 28 hours of advanced courses. Courses are to be selected in consultation with the major adviser and must include the following: FREN 3455, 3356, 4370; three hours chosen from 4371 and 4372; three hours chosen from 4375 and 4376; plus six hours of 5000-level courses and six elective hours at either the 4000 or 5000 level. Study with SMU-in-Paris and/or SMU-in-the-South of France is strongly recommended.

**Requirements for the Minor in French:** A total of twenty hours, including FREN 2401 or the equivalent, plus 16 advanced hours: FREN 3455, 3356, 4370, and two additional courses at the 4000 level.

#### **The Courses (FREN)**

##### **Language Courses**

**1401, 1402. Beginning French.** Stresses acquisition of basic skills: speaking, listening comprehension, reading, and writing. Five classes per week. Four credits per term. *Prerequisite for 1402:* C- or better in 1401 or permission of area chair.

**2201. France Today: Culture, Society, Daily Life.** In conjunction with FREN 2401, a systematic exploration of diverse aspects of French life, involving both classroom study and on-site investigation. Emphasis on contextual language acquisition, both written and oral. *Prerequisite:* Permission of program director. (SMU-in-the-South of France only)



**2401. Intermediate French.** Continues to strengthen the four language skills, with added emphasis on reading and writing. Five classes per week. Four credits per term. *Prerequisite:* C- or better in FREN 1402 or permission of area chair.

**3455. Advanced French I.** Refinement of all four language skills, with special emphasis on oral proficiency. Includes study of phonetics, oral presentations, viewing and discussion of films, vocabulary development, grammar review, short literary readings, and compositions. Five classes per week. Four credits per term. *Prerequisite:* French 2401.

**3356. Advanced French II.** Refinement of all four language skills. Special emphasis on writing proficiency, particularly in the following areas: exposition, narration, description, correspondence, literary analysis. Includes grammar review, oral presentations, dictionary research, outside reading. *Prerequisite:* FREN 3455.

**4185, 4285, 4385. Internship in French.** This course offers students experience in organizations where knowledge of French and the cultures of French-speaking countries is relevant: Corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in French of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation.

**4355. Advanced Spoken French.** Practice in styles and genres of spoken French: exposé, literary explication, persuasion, recitation, formal versus informal conversation. *Prerequisites:* FREN 3455 and 3356.

**4356. Advanced Communication Skills: The French-Language Media.** An exploration of the many countries and regions of the French-speaking world through the use of films, videos, and the Internet, as well as expository texts from the French-language press and other media. Development of listening and reading comprehension, advanced conversational skills, and writing of short expository texts. *Prerequisites:* FREN 3455 and 3356.

**4357. French Stylistics.** Intensive hands-on study of advanced grammatical, syntactic, lexical, and rhetorical features of written (and formal spoken) French. Comparison of standard French and English styles. French-English and English-French translation. *Prerequisites:* French 3455 and 3356.

**4391. Commercial French for International Trade.** An advanced course for international trade and communication. *Prerequisites:* FREN 3355 and 3356.

**5361. Literary Translation: Theory and Practice.** Exploring the relationship between interpretation and translation. Individual projects in a workshop setting. *Prerequisites:* FREN 4371 and 4372.

#### **Literature and Culture Courses**

**4365. Introduction to French Cinema.** An introduction to French cinema's major works, filmmakers, and trends with a continued emphasis on improvement of advanced French language skills. *Prerequisites:* FREN 3356 and 4370, or permission of the instructor and French Area chair.

**4370. Introduction to the Analysis of French and Francophone Texts.** Strategies for interpreting French and Francophone written and filmic texts. Focus on the principal genres: poetry, prose narrative, essay. *Prerequisites:* FREN 3455 and 3356.

**4371. Survey of French Literature: From the Middle Ages to the Revolution.** Overview of French literary history from the beginning to the end of the 18th century. Selection of texts from major dramatists, poets, and prose writers. *Prerequisites:* French 3455, 3356 and 4370.

**4372. Survey of Literature in French: From Romanticism to the Present.** Overview of French and francophone literary history from the beginning of the 19th century to the present day. Selection of texts from major dramatists, poets, and writers of prose fiction. *Prerequisites:* French 3455, 3356 and 4370.

**4373, 4374. French Civilization.** The evolution of French society, with emphasis on cultural, artistic, and intellectual trends. *Prerequisites:* FREN 3455 and 3356. (SMU-in-Paris and SMU-in-the-South of France only)



**4375. Introduction to French History and Culture.** Survey of French political and cultural history from Roman Gaul to the Fifth Republic. Characteristic institutions, social groups, and individuals. Key cultural myths. *Prerequisites:* French 3455, 3356 and 4370.

**4376. Introduction to Francophone Cultures.** Introduction to cultures once colonized by France. An exploration of the history and impact of French colonization on North America, Africa, and the Caribbean, and the relationship between these regions and France. *Prerequisites:* French 3455, 3356, and 4370.

**5320, 5321. Literary Periods.** The study of a variety of authors and works with respect to the ways in which they define and reflect the literary, political, and social aspects of a given historical period. Specific topics vary. *Prerequisites:* FREN 4370; either 4371 or 4372; either 4375 or 4376.

**5334, 5335. Genre Studies.** The examination of the works of several authors as a means of understanding the nature and evolution of a particular genre. Specific topics vary. *Prerequisites:* FREN 4370; either 4371 or 4372; either 4375 or 4376.

**5344, 5345. Literary Movements.** The exploration of the conventions that shape a specific movement through a reading of representative texts by various authors. Specific topics vary. *Prerequisites:* FREN 4370; either 4371 or 4372; either 4375 or 4376.

**5350, 5351. Problems in French Literature.** The definition of a particular theme as elaborated by a group of writers, usually covering different time periods and genres. Specific topics vary. *Prerequisites:* FREN 4370; either 4371 or 4372; either 4375 or 4376.

**5365, 5466. Topics in French and Francophone Cinema.** A seminar in French and Francophone film studies. Topic varies. *Prerequisites:* FREN 4370; either 4371 or 4372; either 4375 or 4376. FREN 4365, recommended.

**5380, 5381. Tutorial for Juniors and Seniors.** By invitation of the entire area only. Special project set up with the help of the area chair.

#### **Foreign Literature Courses in English**

(See course descriptions at end of Foreign Languages and Literatures section. These courses do not count toward the French major. They are electives.)

**FL 3359** Masculinities: Literary Images and Perspectives.

**FL 3361** Special Topics: French Literature in Translation. (SMU-in-Paris only)

**FL 3363** (CF 3347). Figuring the Feminine.

**FL 3365, 3366** Special Topics: French Literature in Translation.

#### **German**

All courses are conducted in German.

**Requirements for the B.A. Degree:** Thirty term hours, including GERM 2311 and 2312 (second-year German) and 24 term hours of advanced courses. Courses are to be selected in consultation with the major adviser and must include the following:

1. Proficiency in written and spoken German demonstrated by course work in GERM 3311 (Talking and Writing about Modern Germany).
2. German 3320 (Contemporary German Culture).
3. Six advanced courses to be selected in consultation with the major adviser.

Study in the SMU-in-Weimar summer program or in an approved term or junior-year program in a German-speaking country is highly recommended. Suggested electives outside the German Area: a second foreign language; extra-departmental courses listed under the German Area Studies major; literary criticism; other foreign literature in translation; English and American literature; courses in linguistics, semiotics, or philology; courses in German art history, philosophy, or history.

**Requirements for the B.A. Degree in German Area Studies:** Thirty term hours, 18 in German, and 12 in area studies. Courses are to be selected in consultation with the major adviser and must contain the following:



**162 Dedman College**

*18 hours in German:*

1. GERM 2311, 2312
2. GERM 3311
3. GERM 3320
4. Two additional advanced courses.

*12 hours in area courses:*

One of the following:

**FL 3367, 3368, or 3369**

**HIST 4363 or 4369**

*Six hours from the following list of courses or from other German Area Studies courses approved by the German Area:*

**HIST 5373, 5374**

**PHIL 3370**

**RELI 3321, 3322**

**FL 3376**

**ARHS 1331, 1332, 3335**

**Requirements for the Minor in German:** Eighteen term hours of German as follows:

1. GERM 2311, 2312
2. GERM 3311
3. Three additional advanced courses to be selected in consultation with the adviser.

**Requirements for the Minor in German Area Studies:** Eighteen term hours, 12 in German, and six in area studies to be selected as follows:

1. GERM 2311, 2312
2. GERM 3311
3. One additional advanced course in German chosen in consultation with the adviser.
4. Two additional advanced area studies courses chosen in consultation with the adviser.

***German Language Courses (GERM)***

**1101. Conversational Practice in German.** An introduction to the German sound system and systematic practice of simple speech patterns.

**1303. Basic Conversation.** Systematic description of speech patterns and of carefully designed discussion models for students with no prior knowledge of German.

**1401, 1402. Beginning German.** Stresses acquisition of basic skills: Speaking, aural comprehension, reading, and writing. Classes meet five hours a week. Computer assignments required. Four credits per term. *Prerequisite for 1402:* C- or better in 1401 or permission of area chair.

**2101. Conversational Practice in German.** Systematic practice of speech patterns and simple discussion models as well as rapidity drills and free delivery practice. *Prerequisite:* GERM 1402 or the equivalent, or permission of instructor.

**2311, 2312. Culture, Grammar, Literature.** Second-year German. Discussions and compositions based on literary and cultural texts. Review of grammar. Language laboratory. *Prerequisite for 2311:* C- or better in GERM 1402 or permission of area chair. *Prerequisite for 2312:* C- or better in 2311 or permission of area chair.

**3311. Talking and Writing about Modern Germany.** An advanced course intended to increase active command of the language. Utilizes a variety of short modern texts. *Prerequisite:* GERM 2312 or the equivalent.

**3313. Germany Today: People, Culture, Society.** Explores current German culture; readings in newspapers and magazines to acquaint students with today's German cultural and political

scene; conversations, oral presentations, and compositions. *Prerequisite:* GERM 3311 or permission of instructor.

**3350. Business German.** An advanced course in German for international trade and communication. *Prerequisites:* GERM 3311 or permission of instructor.

**4185, 4285, 4385. Internship in German.** Offers students experience in organizations where knowledge of German and the cultures of German-speaking countries is relevant: Corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in German of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation.

#### **German Literature Courses**

**3320. Contemporary German Culture.** An exploration of the German culture scene through magazine and newspaper articles, short stories, television and films from the post-war era to the present. *Prerequisite:* GERM 3311 or permission of instructor.

**3330. Great German Stories: Kafka, Mann, Wolf and Others.** Short narrative forms from the beginning of the 20th century to the present: Mann, Kafka, Brecht, Böll, Seghers, Bachmann, Wolf, and others. Includes consideration of two post-war German literatures (the German Democratic Republic and the Federal Republic). *Prerequisite:* GERM 3311 or permission of instructor.

**4310. Middle Ages to Present: German Poetry.** Historical survey of poetic forms from medieval *Minnesang* through the Baroque and *Sturm und Drang* to Classicism, Romanticism, and 20th-century styles. *Prerequisite:* GERM 3320, 3313, or permission of instructor.

**4320. Modern Drama.** Critical reading of dramatic works by major German, Austrian and Swiss authors, with some attention to critical theory: Büchner, Schnitzler, Brecht, Dürrenmatt, Aichinger, Bachmann, Müller, Jelinek, and others. *Prerequisite:* GERM 3320, 3313, or permission of instructor.

**4330. Nineteenth-Century Stories, Fairy Tales, and Novellas.** Short narrative forms from Romanticism through Realism to fin-de-siècle Vienna: Grimm, Eichendorff, Kleist, Storm, Schnitzler, and others. *Prerequisite:* GERM 3320, 3313, or permission of instructor.

**4340. Great Plays for Listening.** Selections from conventional to experimental post-war plays by Böll, Dürrenmatt, Aichinger, Mayröcker, and others. *Prerequisite:* GERM 3320, 3313, or permission of instructor.

**5310. Reading the Classics.** Narrative, poetry, and drama representing the German Enlightenment, *Sturm und Drang*, Classicism and Romanticism: Lessing, Goethe, Schiller, Kleist, Novalis, and others. *Prerequisite:* Any 4000-level course, or permission of instructor.

**5320. Laughter and Comedy.** Laughter and its relation to humor, wit, and satire in comic German literature. Keller, Kleist, Lessing, Busch, Tucholsky, Kästner, and others. *Prerequisite:* Any 4000-level course, or permission of instructor.

**5330. Problems with the Self.** Poems, essays, and novellas dealing with the perception of self in various periods of German literature. Goethe, Bettina von Arnim, Büchner, Mann, and others. *Prerequisite:* Any 4000-level course, or permission of instructor.

**5380. Directed Studies.** Permission of department.

#### **Culture and Literature Courses in English**

(See course descriptions at end of Foreign Languages and Literatures section.)

**FL 3369** Perspectives on Modern Germany

**FL 3376** Representations of Women in Modern Literature

#### **Hindi (HIN)**

**1401, 1402. Beginning Hindi.** Introduction to standard Hindi. Emphasizes intensive drills on speaking and listening with special attention to individual pronunciation and intonation. Reading and writing in the Hindi writing system (Devanagari) will be introduced and studied. *Prerequisite for 1402:* C- or better in 1401 or permission of the area adviser.



**2401, 2402. Intermediate Hindi.** Emphasizes intensive drills on speaking and listening with special attention to individuals, along with reading and writing in the Devanagari system. Hindi grammar and syntax will be reviewed and reinforced. *Prerequisite for 2401:* At least a C- in Hindi 1402. *Prerequisite for 2402:* At least a C- in Hindi 2401.

### Italian

All courses are conducted in Italian unless otherwise noted.

**Requirements for the B.A. Degree in Italian Area Studies.** Thirty-four term hours, of which 21 must be in courses taught in Italian. Courses are to be selected in consultation with the major adviser and must include the following:

1. ITAL 2401, 2402 (Intermediate Italian).
2. ITAL 3357 (Italian Grammar and Composition) and ITAL 3373 (Italian Culture).
3. Nine hours in advanced courses at the 4000 level including ITAL 4324 (Contemporary Italian Literature).
4. Six hours of Italian literature-in-translation courses or FL courses in Italian culture or Italian cinema.
5. Six hours of approved area-studies courses.

Study with an SMU-approved program in Italy is strongly recommended. A second modern foreign language and/or Latin is also recommended.

**Requirements for the Minor in Italian.** Sixteen term hours, including ITAL 2401, 2402, and 12 advanced hours as follows:

**ITAL 3357**

**ITAL 3373**

*Two additional advanced Italian courses (4000-level) selected in consultation with the adviser.*

**Requirements for the Minor in Italian Area Studies.** Sixteen term hours, including ITAL 2401, 2402, and the following advanced or supporting courses:

1. ITAL 3357
2. ITAL 3373
3. One additional advanced Italian course (4000-level) chosen in consultation with the adviser
4. One area-studies course chosen in consultation with the adviser from the following:

**FL 2395, 3390, 3391, 3392, 3395**

**ARHS 2325, 3309, 3312, 3314, 3326, 3331, 3339, 4345, 5311, 5330, 5334**

**HIST 3351, 3358, 3359, 3361, 3365, 3366, 3376, 5374**

### ***The Courses (ITAL)***

**1401, 1402. Beginning Italian.** Stresses acquisition of basic skills, speaking, aural comprehension, reading, and writing. Students attend three weekly foundations classes plus two hours of applications classes for practice in small groups. Computer, video, and audio assignments in the Foreign Language Learning Center are required. Four credits per term. *Prerequisite for 1402:* C- or better in 1401 or permission of area chair.

**2401, 2402. Intermediate Italian.** Strengthening and practice of all four language skills in Italian (listening, speaking, reading, writing). Computer, video, and audio assignments are required. *Prerequisite:* C- or better in ITAL 1402 or permission of area chair.

**3357. Italian Grammar and Composition.** Analysis and imitation of short contemporary texts: letters, film reviews, articles, criticism, narratives. Development of oral and written proficiency. Selective study of grammar. *Prerequisite:* ITAL 2401.

**3373. Italian Culture.** The evolution of Italian society with emphasis on cultural, artistic, and intellectual trends. *Prerequisite:* ITAL 2401.

**4185, 4285, 4385. Internship in Italian.** This course offers students experience in organizations



where knowledge of Italian and the cultures of Italian-speaking countries is relevant: corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Italian of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation.

**Literature Courses**

**4323. Modern Italian Literature II.** From the latter half of the 19th century to World War I. Realism, Decadentism, and the Grotesque. Authors studied are Verga, D'Annunzio, Pirandello. *Prerequisite:* ITAL 2401.

**4324. Contemporary Italian Literature.** The Fascist Period and World War II. Introspection, society, and the problem of evil: Moravia, Pavese, Bassani, Buzzati, and Ginzburg. *Prerequisite:* ITAL 2401.

**4368. Italian Authors: Contemporary.** *Prerequisite:* ITAL 2401.

**4381, 4382. Tutorial for Juniors and Seniors: Directed Readings and Research.** Directed reading and research in specific literary topics or writers. *Prerequisite:* ITAL 3357 or permission of instructor.

**Italian Culture and Literature Courses in English**

(See course descriptions at end of Foreign Languages and Literatures section.)

**FL 2201.** Italy Today.

**FL 2395** Italian Culture.

**FL 3390** (CCCN 3390) Italian Cinema.

**FL 3391** Special Topics: Italian Literature in Translation.

**FL 3392** Special Topics: Italian Literature in Translation.

**Japanese**

**Requirements for the Minor in Japanese:** 17 term hours as follows:

- |  |         |
|--|---------|
| 1. Intermediate Japanese (2401, 2402)  | 8 hours |
| 2. Advanced Japanese (3311, 3312)  | 6 hours |
| 3. One course from the following: ARHS 3394, HIST 2393, JAPN 4381, POLI 3346 | 3 hours |

**The Courses (JAPN)**

**1401, 1402. Beginning Japanese.** Focuses on oral and aural proficiency for daily communication situations, mastery of Japanese writing systems (Hiragana, Katakana, basic Kanji), and foundational grammar. *Prerequisite for 1402:* C- or better in 1401 or permission of area chair.

**2401, 2402. Intermediate Japanese.** Focuses on developing and enriching literacy experience in Japanese through reading and writing narrative and descriptive texts, as well as conversing on personal topics in more complicated situations. *Prerequisite for 2402:* C- or better in JAPN 2401 or permission of area chair.

**3311, 3312. Advanced Japanese.** Emphasis on enhancing abilities in advanced reading and writing skills, communicating with accuracy and grammatical complexity. Students also acquire the ability to use refined honorific forms in appropriate cultural contexts. *Prerequisite for 3312:* C- or better in JAPN 3311 or permission of area chair.

**4185, 4285, 4385. Internship in Japanese.** Offers students experience in organizations where knowledge of Japanese and the cultures of Japanese-speaking countries is relevant: corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Japanese of 3.30 or higher; sponsorship of a professor and of the organization, agency, or corporation.

**4381. Readings In Japanese Culture And Business.** Upper-level language course designed for students who have finished third-year Japanese. Students will enhance their speaking, reading, and writing skills through a wide range of primary materials. *Prerequisite:* 3312 or permission of area chair.

**Latin (LATN)**

**1401, 1402. Beginning Latin.** Structures of the Latin language – vocabulary, grammar, syntax.



Introduction to Roman history and culture. Simple readings from Latin authors. *Prerequisite for 1402: C- or better in 1401.*

**2311, 2312. Second-Year Latin.** Readings from Cicero, Livy, Ovid, and Pliny. Passages from the Vulgate, excerpts from medieval authors. *Prerequisite for 2311: C- or better in LATN 1402. Prerequisite for 2312: C- or better in 2311.*

**3185, 3285, 3385. Internship in Latin.** Offers students experience in organizations or institutions where knowledge of Latin is relevant: museums, libraries, historical archives, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Latin of 3.3 or higher; sponsorship of a professor and of the organization, agency, or institution.

### Russian

**Requirements for the Minor in Russian Area Studies:** 15 term hours, including RUSS 2341, 2351; and three advanced area courses, one each in the areas of Literature (FL 3323 or 3331), History (HIST 3340, 3341, 5367, or 5368), and Political Science (PLSC 3358, 3359, or 3384).

#### The Courses (RUSS)

**1401, 1402. Beginning Russian.** Introductory Russian meets daily and gives a basic overview of all structures of the language, providing rudimentary competence in Russian. This course will take students through all aspects of beginning Russian study, including the language, life, and culture of today's Russian people. The curriculum used targets all four skills of speaking, reading, listening, and writing.

**2341. Russian Reading and Conversation.** Russian language work beyond the first-year level is done in multilevel workshops, organized by target skills, each including students with varying levels of experience and background with the Russian language. Small classes permit an individualized approach, so that students completing varying assignments work together in the same classroom. Each workshop is completed twice, once at the second-year level, and once at the third-year level. Progress to higher levels will be measured by proficiency tests. The reading/conversation workshop targets skills of oral and textual comprehension and active conversational skill. *Prerequisite: C- or better in RUSS 1402 or permission of area chair.*

**2351. Russian Syntax and Composition.** This workshop undertakes a review of grammatical and syntactic structures and seeks to employ them in writing, using a text and materials from everyday life in today's Russia. (See RUSS 2341 for a description of the multilevel workshop system). *Prerequisite: C- or better in RUSS 1402 or permission of area chair.*

**3302. Practicum in Russian Conversation and Phonetics.** (Russia, summer)

**3304. Russian Grammar Practicum.** (Russia, summer)

**3323. Practicum in Russian Culture.** (St. Petersburg, summer)

**3341. Russian Reading and Conversation.** Continuation of RUSS 2341.

**3351. Russian Syntax and Composition.** Continuation of RUSS 2351.

**3361, 3362. Comparative Grammar of Russian and English.** For students who are fully bilingual in Russian and English, these courses provide a practical analysis of the similarities and differences between the two languages. Special problems of native speakers of Russian speaking English. Translation in both directions. Weekly compositions and translations, essay exams. *Prerequisite (3361):* 16 hours of Russian by examination. *Prerequisite (3362):* RUSS 3361 or permission of area chair.

**4185, 4285, 4385. Internship in Russian.** This course offers students experience in organizations where knowledge of Russian and the cultures of Russian-speaking countries is relevant: corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Russian of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation. After completion of eight credit hours in Russian, study abroad in St. Petersburg State University in summer and semester programs is recommended.

**4380, 4381. Directed Studies.**

**Russian Culture and Literature Courses in English**

(See course descriptions at end of Foreign Languages and Literatures section.)

**FL 2343** After Communism.

**FL 3323** (HIST 2323). Russian Culture.

**Spanish**

**Requirements for the B.A. Degree in Spanish.** Twenty-eight term hours, including SPAN 2401 or equivalent, and 24 term hours of advanced courses. Courses are to be selected in consultation with the major adviser and must include the following:

1. Proficiency in written and spoken Spanish demonstrated by course work in advanced Spanish Grammar (SPAN 3358) and Spanish conversation (at least one but not more than two courses from SPAN 3311; 3312; 3313; 3355 or 4352; 4355). Students who consider themselves proficient in these areas may petition to substitute other courses from the offerings of the major.
2. SPAN 4395.
3. A minimum of nine hours in 5000-level literature courses, including at least one course in Spanish literature and one course in Spanish-American literature.

Study with SMU-in-Spain, SMU-in-Xalapa, or another Hispanic program abroad is strongly recommended. Suggested electives outside the Spanish area are a second foreign language, courses listed under the Latin American Studies major, literary criticism, other foreign literature in translation, English and American literature.

**Requirements for the Minor in Spanish.** SPAN 2401 or the equivalent; SPAN 3358; at least one but not more than two courses chosen from SPAN 3311, 3312, 3313, 3355 or 4352, 4355; and other advanced course(s) for a total of 16 hours.

**Prerequisites for Advanced Courses.** Prerequisite for 3000-level courses: SPAN 2312 or 2401, or as stated in individual course descriptions.

Prerequisite for 4000-level courses: see individual course descriptions.

Prerequisite for 5000-level courses in literature: SPAN 4395.

**The Courses (SPAN)**

**1401. Beginning Spanish.** Stresses acquisition of basic skills: speaking, aural comprehension, reading, and writing. Students attend three one-hour fundamentals classes plus two one-hour practice sessions per week. Computer, video, and audio assignments are required. Four credits per term.

**1402. Beginning Spanish.** (second term) Continuing focus on the four basic language skills. Students attend three one-hour fundamentals classes plus two one-hour practice sessions per week. Computer, video, and audio assignments are required. Four credits per term. *Prerequisite:* C- or better in SPAN 1401.

**2311, 2312. Second-Year Spanish.** Review of grammar. Discussions and compositions based on literary and journalistic texts. Language laboratory. (Offered abroad; replaced on campus by SPAN 2401.) *Prerequisite:* C- or better in SPAN 1402.

**2401. Intermediate Spanish.** The third term or intermediate level will continue to strengthen the four language skills with added emphasis on reading and writing. Students attend two one-hour fundamentals classes plus three one-hour practice sessions per week. Computer, video and audio assignments in the FLLC are required. Four credits per term. All classes are conducted in Spanish. *Prerequisite:* C- or better in SPAN 1402.

**3310. Readings in Spanish and Spanish American Literature.** Refinement of oral and written proficiency based on extensive reading and discussion of literary texts.

**3311. Conversation and Composition: Peninsular Culture.** Focus on improving linguistic proficiency within the context of studying Spanish Peninsular cultures. Course content varies; may include Peninsular film, music, art, etc. *Prerequisites:* SPAN 2401 or equivalent.

**3312. Conversation and Composition: Mexican Culture.** Focus on improving linguistic



168 Dedman College

proficiency within the context of studying Latin American culture. Course content varies; may include Mexican film, music, art, food, etc. *Prerequisites:* SPAN 2401 or equivalent.

**3313. Conversation and Composition: Latin American Culture.** Focus on improving linguistic proficiency within the context of studying Latin American culture. Course content varies; may include Latin American film, music, art. *Prerequisites:* SPAN 2401 or equivalent.

**3355. Spanish Conversation.** An advanced course for majors and non-majors intended to increase active command of the language. Limited enrollment. *Prerequisite:* SPAN 2401 or equivalent. Not for students who score “Advanced” on Oral Proficiency exam. (See SPAN 4355.)

**3357. Spanish Phonetics.** A detailed analysis both in theory and practice of Spanish speech patterns, vowels, consonants, and intonation.

**3358. Advanced Spanish Grammar.** A thorough study of Spanish grammar. Practice in writing short compositions. Limited enrollment.

**3373. Spanish Civilization.** A survey of Spanish culture and societies with particular emphasis on artistic and sociological aspects. *Prerequisite:* One 3000-level Spanish course.

**3374. Spanish-American Civilization.** A survey of Spanish-American culture and societies with particular emphasis on artistic and sociological aspects. *Prerequisite:* One 3000-level Spanish course.

**4185, 4285, 4385. Internship in Spanish.** This course offers students experience in organizations where knowledge of Spanish and the cultures of Spanish-speaking countries is relevant: corporations involved in international business, government agencies, health clinics, etc. *Prerequisites:* Junior or senior standing; an overall G.P.A. of 3.0 or higher; G.P.A. in Spanish of 3.3 or higher; sponsorship of a professor and of the organization, agency, or corporation.

**4352 (ETST 4352). Conversations and Community.** Advanced Spanish course which brings oral and written language to the center of students’ learning by bringing them in contact with native Spanish speakers from a variety of Dallas communities. Field work, away from campus, will include a maximum of two hours per week in addition to the required three contact hours in the classroom. *Prerequisites:* SPAN 2401 and approval of instructor for language majors. Approval of instructor for all other candidates.

**4355. Advanced Spoken Spanish.** An advanced course in spoken Spanish for those students who score advanced to superior on a departmentally administered oral exam based on ACTFL Oral Proficiency levels. (Students who score below “Advanced” level on the departmental exam may enroll in SPAN 3355.) *Prerequisite:* SPAN 2401 and advanced oral proficiency in Spanish. Not open to students who have taken SPAN 3355. Limited enrollment.

**4361. Translation: Theory and Practice.** Through readings and exercises in literary texts and an individual term project, students explore the multiple disciplinary aspects of the process of translation. *Prerequisite:* SPAN 3358.

**4391. Commercial Spanish for International Trade.** An advanced course in Spanish for international trade and communication. *Prerequisites:* SPAN 3355 and 3358, or permission of instructor.

**4395. Introduction to Hispanic Literature.** Study of the tools necessary for analysis and understanding of literature. Application of these tools through reading of Hispanic texts. *Prerequisite:* SPAN 3358 or permission of the department. Limited enrollment. Meets Perspectives requirement for Literature and Human Diversity corequirement.

**General Survey Courses**

**5310. Spanish Literature Before 1700.** An introduction to Spanish prose, drama, lyric, and narrative poetry through the Golden Age.

**5311. Spanish Literature Since 1700.** Major writers and movements from 1700 to the present.

**5315. Spanish American Literature to 1888.** Literary figures and trends from the Conquest to Modernism. Meets Human Diversity corequirement.

**5316. Spanish American Literature Since 1888.** Literary figures and trends from Modernism to the present. Meets Human Diversity corequirement.



**5317. The Literature of Mexico.** Readings and discussions of the works of major Mexican writers. Meets Human Diversity corequirement.

**Period Survey Courses**

**5320. The Renaissance and Golden Age: Drama.** A study of the early development of Spanish drama and of the flourishing of the theater with Lope de Vega, Calderón de la Barca, and their contemporaries.

**5321. The Renaissance and Golden Age: Prose Fiction.** An exploration of the development of Spanish narrative through various modes of idealism, realism, and self-reflection. Readings include works from Cervantes, Zayas, their contemporaries, and their literary predecessors.

**5323. Nineteenth-Century Prose Fiction of Spain.** Major prose writers of the Realistic and Naturalistic movements in the context of 19th-century political, social, and economic development.

**Genre Studies**

**5334. The Novel of the Post Civil War Period.** The development of the novel and short story in Spain from 1940 to the present. Readings from Cela, Delibes, Sánchez Ferlosio, Goytisolo, etc.

**5335. Genre Studies in Spain.**

**5336. The Spanish American Novel.** The evolution of the Spanish American novel and analysis of master works of the 19th and 20th centuries. Meets Human Diversity corequirement.

**5337. The Spanish American Essay.** Students explore the intellectual climate of Spanish America in the last two centuries as revealed in the works of famous essayists such as José Martí and Octavio Paz. Meets Human Diversity corequirement.

**5338. The Spanish American Short Story.** Evolution of the short story in Spanish America: Palma, Quiroga, Borges, Carpentier, Asturias, Cortázar, Rulfo, García Márquez, and others. Meets Human Diversity corequirement.

**5339. Spanish American Poetry.** Major Spanish American poets, with emphasis on the 20th century: Octavio Paz, Nicolás Guillén, Gabriela Mistral, Pablo Neruda, and others. Meets Human Diversity corequirement.

**Thematic Courses**

**5360. The Concept of Honor in Spanish Literature.** An exploration of the Spanish concept of Honor, especially the way it shapes Hispanic identity over time and distance and across social and gender boundaries. Lecture, 3 hours. *Prerequisite:* SPAN 4395.

**5361. Don Quixote: The Idea, The Character, The Book.** An exploration of Cervantes's masterpiece, *Don Quixote*, and its influence on art and society. *Prerequisite:* SPAN 4395.

**5365. Contemporary Spanish Women Writers.** Explores constructions of gender and identity in contemporary Spanish literature by women. Written texts, music, film, and documentary will combine to offer multiple perspectives on the subject. Lecture, 3 hours. *Prerequisite:* SPAN 4395. Meets Human Diversity corequirement.

**5370. Rewriting Discovery and Exploration in the Spanish Borderlands.** An examination of shifts in the articulation of discovery and exploration in writings treating the northern frontier of New Spain during the mid to late 16th century. *Prerequisite:* SPAN 4395.

**5375 Contemporary Fiction by Latin American Women Writers.** Explores constructions of gender and identity in 20th-century fiction by Latin American women. Novels, short stories, film and critical texts will be examined. *Prerequisite:* SPAN 4395.

**Other Literary Studies**

**5380, 5381. Tutorial for Juniors and Seniors.** Special project arranged by the student with the help of a faculty adviser and the approval of the chair of the department.

**Culture and Literature Courses in English**

(See Course Descriptions following.)

**FL 3303** Spanish Civilization.

**FL 3305** Special Topics: Latin American Literature in Translation.

**FL 3306** The Heart of Aztlán: Chicano Literature of the Southwest.



### Foreign Literature Courses in English

**FL 2201. Italy Today: Contemporary Italian Culture and Institutions.** Overview of contemporary Italian society, institutions, and traditions, from the role of the Church to the fashion industry. *Prerequisite:* Concurrent enrollment in ITAL 1401, 1402, or 2401 with approval of the instructor.

**FL 2321. Surrealism and the State in Eastern Europe.** Statehood in 20th-century Eastern Europe is an institution susceptible to collective “madness,” especially with regard to its bureaucratic machinery. The course explores the intellectual response to “insane” bureaucracy and the unique body of literature it has produced, including its very high proportion of surrealist, absurdist art and unique types of fantasy and science fiction literature. Departmental writing-intensive seminar.

**FL 2343. After Communism.** Examines changes in Russian and East European culture since the mid-1980s, when openness and restructuring prepared the ground for the fall of the Soviet Union.

**FL 2395. Italian Culture.** Significant aspects of Italian culture and thought, beginning with the age of Dante, are presented from poetry, prose, drama, journalism, architecture, the fine arts, music, and film.

**FL 3303. Spanish Civilization.** Significant aspects of Spanish culture are presented and illustrated by examples from Spain’s history, music, art, architecture, literature, folklore, and contemporary life. Course may be taken as SPAN 3373 if the student does his or her work in Spanish. (Offered at SMU-in-Spain.)

**FL 3305. Special Topics: Latin American Literature in Translation.** Reading of masterworks of Latin American authors. Readings will vary from term to term and will be selected for their relevance to a particular period, genre, or theme. Meets Human Diversity corequirement.

**FL 3306. The Heart of Aztlán: Chicano Literature of the Southwest.** A study of the Chicano/mestizo cultural identity in the Southwest, the course includes readings from selected contemporary authors as well as from the early recorded contacts between Native Americans and their European conquerors. Meets Perspectives requirement for Literature and Human Diversity requirement.

**FL 3307 (CF 3329). The Belle Époque and the Birth of Modernity.** Through a series of lectures, readings, and visits, the course will present an in-depth study of society, culture, art, and literature in Paris and in the provinces. (Offered at SMU-in-Paris.)

**FL 3310 (CF 3390). Transnational Chinese Cinema.** Introduces students to films produced in the People’s Republic, Taiwan, and Hong Kong. In considering cinema as a sign system for the construction of sociocultural and aesthetic meanings, this course examines different national identities and film genres. Students will learn to understand non-Western cultural texts and to analyze cinematic representations. Meets Human Diversity corequirement.

**FL 3312. Women In Modern China.** Critical examination of major 20th-century Chinese women writers and their texts from literary and gender perspectives. Meets Human Diversity corequirement and Perspectives requirement for literature.

**FL 3323 (CF 2320, HIST 2323). Russian Culture.** Significant aspects of Russian thought and culture at its various stages of development are presented and illustrated by examples from literature, folklore, prose, drama, journalism, architecture, the fine arts, and music. Meets Human Diversity corequirement.

**FL 3325 (CF 3365). Perspectives on Modern China.** Survey of China in the 20th century in terms of cultural trends, literature, and cinema. The course stresses the interactions between reality and representation, between author and reader/audience, and between text and interpretation. Close reading of texts or viewing of films, followed by critical analysis, is emphasized. Meets Human Diversity corequirement.

**FL 3331. Survey of Russian Literature in Translation.** Russian literature from the 18th century to the present. Works by Tolstoy, Dostoevsky, Chekhov, Solzhenitsyn, others. Meets Perspectives requirement for literature.

**FL 3332. Special Topics: Russian Literature in Translation.** Texts, periods, and thematic and critical approaches will vary from term to term.

**FL 3335 (CF 3335, HIST 3335). One King, One Law: France 1500-1789.** This course examines the culture of France through its history and literature. It emphasizes historical developments, ideas and literary texts that define and illuminate French Classicism and absolutism. The course focuses on the early modern period, when France set the cultural tone and made significant contributions to the transformation of Western civilization. The course also provides a foundation for understanding subsequent European history and literary movements.

**FL 3340. Semiotics and Interpretation.** Semiotics is the study of how meaning is produced and communicated. This course explores semiotic approaches to the interpretation of the most complex of all human communications: literary texts. Meets Perspectives requirement for literature.

**FL 3349 (CF 3349, HIST 3392). The African Diaspora: Literature and History of Black Liberation.** Black literature played an important role in bringing on the collapse of the European colonial order, and it remains a major force in the struggle against neocolonialism today. This course explores links between literature and politics, literature and history, and thought and action in 20th-century Africa and the Caribbean. Readings and lectures will be supplemented by class discussion, films, and videotapes about the Caribbean and Africa. Meets Human Diversity corequirement.

**FL 3350. Existentialism and Literature.** Existentialist perspectives on society, individual responsibility, politics, war, as presented in key literary texts by Kierkegaard, Dostoevsky, Malraux, Sartre, Camus, Ellison, and others.

**FL 3359. Masculinities: Literary Images and Perspectives.** The representation of male sex roles in Western literature, from Achilles to James Bond. Open to juniors and seniors; sophomores by permission of instructor. Meets Perspectives requirement for Literature.

**FL 3360 (CF 3360). The Ethics of Colonization in Latin America.** Through a study of literary, philosophical, historical, and religious texts, this course considers how the humanist ethics of the Renaissance were debated and carried out in the colonization of Latin America.

**FL 3361. Special Topics: French Literature in Translation.** Texts, periods, and thematic and critical approaches will vary from term to term. (SMU-in-Paris only)

**FL 3363 (CF 3347, WS 3347). Figuring the Feminine.** The feminist inquiry in France from the Middle Ages to the present. Texts by women that bear witness to women's struggles for civil, social, and political adulthood. Meets Human Diversity corequirement.

**FL 3364 (ENGL 3364). Philosophical and Literary Ideas of "The Other."** An important question in Western intellectual tradition is "who is the Other?" This course explores both dialectical and linguistic structures of the "I" and "the Other" in philosophy, literature, and politics.

**FL 3365, 3366. Special Topics: French Literature in Translation.** Texts, periods, and thematic and critical approaches will vary each term.

**FL 3369 (CF 3369). Perspectives on Modern Germany.** A multidisciplinary survey of the German heritage, with emphasis on Germany's quest for identity and unity. *Prerequisite:* Sophomore standing or permission of instructor.

**FL 3376. Representations of Women in Modern Literature.** An investigation of the changing image of modern woman in literature from the late 19th century to the present day. *Prerequisite:* Sophomore standing or permission of instructor. Meets Perspectives requirement for literature and Diversity corequirement.

**FL 3390. (CCCN 3390). Italian Cinema.** A chronological survey of Italian cinema from its beginnings to the present. Themes and cinematic styles of several internationally noted directors such as Rossellini, DeSica, Fellini, Antonioni, and Bertolucci, with attention to the Italian cinema as a reflection of sociopolitical trends.

**FL 3391, 3392. Special Topics: Italian Literature in Translation.** Texts, periods, and thematic and critical approaches will vary from term to term. Meets Perspectives requirement for literature.



## GEOLOGICAL SCIENCES

Professor Robert Gregory, Department Chair

**Professors:** David Blackwell, Eugene Herrin, Louis Jacobs, Lee McAlester, Brian Stump, John Walther, Crayton Yapp; **Assistant Professor:** Neil J. Tabor; **Research Associate Professors:** Anthony Fiorillo, Alisa Winkler, Dale Winkler; **Research Assistant Professors:** Steven Bergman, Jason R. McKenna, John B. Wagner.

The Geological Sciences provide ways of understanding and appreciating dynamic earth processes, the physical environment, and the place of humanity in the long and complex history of the planet and solar system. They also provide the background for rewarding careers in industry, government, and academia. The faculty offers exceptional learning and research opportunities in geology, geochemistry, geophysics, environmental geology, planetary geology, and paleontology.

The geosciences attract students with broad interests in earth science, chemistry, biology, environmental science, archaeology, physics, astronomy, oceanography, applied mathematics, or engineering. The department strongly encourages combined majors. In addition to combinations with the above fields, many undergraduate geoscience majors have double majors or minors in business (especially finance, real estate, or marketing), economics, prelaw, computer science, archaeology, foreign languages, English, history, journalism, and premed. Geology is an interdisciplinary, applied science that integrates well with other fields.

Academic programs are tailor-made to the educational and career objectives of each student. Because of the heavily funded active research programs within the Department and our close ties with the Dallas geological community, students often receive excellent pre- and post-graduation employment opportunities in the geological sciences. The department also has a substantial amount of financial aid available for undergraduate majors, including Department scholarships, appointments as teaching assistants, and support for off-campus field programs.

The department offers three different majors in the Geological Sciences: Geology, Geophysics, and Environmental Geology. The B.A. degree is offered in Geology, and B.S. degree is offered in all three disciplines. A Minor in Environmental Earth Science that can be combined with virtually any other degree program on campus is available. The department also advises students in the Geoscience track of the Environmental Science Program (see the degree program listing in the Dedman College section for details).

### Major in Geology

The B.A. or B.S. degrees in Geology typically follow one of three primary tracks: hard-rock geology and geochemistry, soft-rock geology and resource exploration, or paleontology and paleoenvironments. Each of these areas integrates classroom learning with field and laboratory experience. Consult a faculty adviser for recommendations.

**Requirements for the B.A. Degree.** A minimum of 28 hours in Geology, selected from the following:

1. One course chosen from GEOL 1301, 1305, 1307, 1308, 1313, or 1315 – 3 hours
2. GEOL 3340 (Face of the Earth); 3451, 3452 (Earth Materials I and II) – 11 hours
3. Four geology electives at the 3000 level or above – 12 hours minimum
4. Geology Field Studies (one course chosen from GEOL 3240, 3241, 3242, or 3243) – 2 hours

*Required support courses – 9 hours minimum:*

1. CHEM 1301 or 1303 – 3 hours
2. PHYS 1301, 1303 (recommended), 1313, or 1407 – 3 hours minimum



## 3. MATH 1337 – 3 hours

**NOTE:** Participation in a recognized geology summer field camp is strongly recommended for *all* majors (B.A. and B.S.). Most geology graduate programs in the United States require that a field course be completed.

**Requirements for the B.S. Degree.** A minimum of 36 or 38 hours in geology, selected from the following:

1. One course chosen from GEOL 1301, 1305, 1307, 1308, 1313, or 1315 – 3 hours
2. GEOL 3340 (Face of the Earth); 3451, 3452 (Earth Materials I and II); 3454 (Structural Geology) – 15 hours
3. Four geology electives at the 3000 level or above – 12 hours minimum
4. Geology Field Studies (one course chosen from GEOL 3240, 3241, 3242, or 3243) – 2 hours
5. GEOL 4296 and 4298 (Integrative Research), or 4657 (Field Geology) – 4 or 6 hours

*Required support courses – 17 hours minimum:*

1. CHEM 1303, 1113, 1304, 1114; or 1307, 1113, 1308, 1114 – 8 hours
2. PHYS 1303 (recommended) or 1407 – 3 hours minimum
3. MATH 1337, 1338 (Calculus I and II) – 6 hours

**NOTES:**

- Participation in a recognized geology summer field camp is strongly recommended for *all* majors (B.A. and B.S.). Most geology graduate programs in the United States require that a field course be completed.
- Experience with a modern scientific computing language is essential. This experience can be gained in a course such as GEOL 3359 (Computer Methods in the Geological Sciences).
- The requirements for the major are considered minimal. Students planning careers in the earth sciences should take additional course work according to the geoscience emphasis that best fits their goals. Consult a faculty adviser for suggestions.

**Minor in Geology**

**Requirements for the Minor.** A minimum of 17 hours in Geology, selected from the following:

1. One course chosen from GEOL 1301 (Introduction to Geology), 1305 (Oceanography), 1307 (Solar System), 1308 (Evolution and Life History), or 1315 (Introduction to Environmental Sciences) – 3 hours
2. Four geology electives at the 3000 level or above – 12 hours minimum
3. Geology Field Studies (one course chosen from GEOL 3240, 3241, 3242, or 3243) or a geology elective at the 3300 level or higher, if not used to meet the requirement listed above – 2 to 3 hours

**Major in Geophysics**

Geophysical techniques are used to understand the physical behavior of planet Earth, including plate-tectonic processes, earthquake mechanisms, and nuclear test-ban verification. The B.S. degree in Geophysics provides a strong quantitative background in seismology, geothermics, and digital signal processing.

**Requirements for the B.S. Degree.** A minimum of 33 hours in Geological Sciences, selected from the following:

1. One course chosen from GEOL 1301, 1305, 1307, 1308, or 1315 – 3 hours
2. GEOL 3451, 3452 (Earth Materials I and II) – 8 hours



**174** Dedman College

3. GEOL 3454 (Structural Geology), 5320 (Dynamic Earth I), and 5392 (Introduction to Seismology) – 10 hours
4. Four Geological Science electives at the 3000 level or above, one of which must be in Geophysics – 12 hours minimum

*Required support courses – 30 hours minimum:*

1. CHEM 1303, 1113; or 1307, 1113 – 4 hours
2. PHYS 1303, 1105; 1304, 1106 (recommended); or 1407, 1408 – 8 hours
3. MATH 1337, 1338, 2339 (Calculus I, II, III); 2343 (Differential Equations); 3337 (Advanced Math for Science and Engineering I); and 3353 (Linear Algebra) – 18 hours

**NOTES:**

- Participation in a recognized geology or geophysics summer field camp is strongly recommended for all geophysics majors.
- Experience with a modern scientific computing language is essential. This experience can be gained in a course such as GEOL 3359 (Computer Methods in the Geological Sciences).
- The requirements for the Geophysics major are considered minimal. Consult a faculty adviser for recommendations on additional course work that best fits your goals.

**Major in Environmental Geology**

Environmental problems today are being addressed by a growing number of disciplines, including the sciences, engineering, the legal profession, economics, journalism, and ethics. Yet, most of these problems are rooted in geological processes. The B.S. degree in Environmental Geology is intended to provide students with a quantitative understanding of the chemical and physical processes of environmental change. Because of its multidisciplinary scope, students are strongly encouraged to take appropriate courses in other departments.

**Requirements for the B.S. Degree:** A minimum of 35 hours in Geology, selected from the following:

1. One course chosen from GEOL 1301 (recommended), 1305, 1307, 1308, or 1315 – 3 hours
  2. GEOL 3340 (Face of the Earth); 3451, 3452 (Earth Materials I and II) – 11 hours
  3. GEOL 3366 (Environmental Geology and Geochemical Cycles), 5384 (Hydrogeology), and 5386 (Geochemistry) – 9 hours
  4. Two GEOL electives selected from 3240 (Field Studies), 3353 (Modern and Ancient Climates), 3454 (Structural Geology), 3472 (Sedimentology), or 4390 (Geophysical Prospecting) – 6 to 8 hours minimum
  5. GEOL 4296 and 4298 (Integrative Research), or 4657 (Field Geology) – 6 hours
- Required support courses – 26 hours minimum:

1. CHEM 1303, 1113, 1304, 1114; or 1307, 1113, 1308, 1114 – 8 hours
2. PHYS 1303 (recommended) or 1407 – 3 hours minimum
3. MATH 1337, 1338, 2339 (Calculus I, II, III); and 2343 (Differential Equations) – 12 hours
4. ENCE 5311 (Environmental and Hazardous Waste Law) – 3 hours

**NOTES:**

- Experience with a modern scientific computing language is essential. This experience can be gained in a course such as GEOL 3359 (Computer Methods in the Geological Sciences).

- The requirements for the Environmental Geology major are considered minimal. Consult a faculty adviser for recommendations on additional course work that best fits your goals.

#### Minor in Environmental Earth Sciences

The Minor in Environmental Earth Sciences is designed with a two-course geology core as background to an interdisciplinary course of study. The minor is freestanding and is not intended to feed into a major. Instead, it should provide an excellent and substantive background for students heading into the environmental field from other disciplines. The minor is not suitable for a student majoring in the Geological Sciences. The Department of Geological Sciences is responsible for administration of this minor.

**Requirements for the Minor:** A minimum of 18 hours, to be selected from the following, with at least nine of the 18 term hours taken at the 3000 level or above:

1. One course chosen from GEOL 1301 (Earth Systems), 1305 (Oceanography), 1307 (Solar System), or 1308 (Evolution and Life History) – 3 hours
2. One course chosen from GEOL 1315 (Introduction to Environmental Science), 3340<sup>1</sup> (Face of the Earth), 3353<sup>2</sup> (Modern and Ancient Climates), 3363 (Environmental Geology Seminar), or 3366<sup>2</sup> (Environmental Geology and Geochemical Cycles) – 3 hours
3. Four courses to be selected from the following list – 12 hours:

**GEOL 3240, 3330, 3340, 3353, 3363, 3366, 5384, 5386** (if not used to meet the requirement listed above)

**BIOL 1305** Our Natural Environment\*

**BIOL 3307**<sup>3</sup> Ecology

**BIOL 3342**<sup>3</sup> The Plant Kingdom

**BIOL 3343**<sup>3</sup> Field Botany\*

**ENCE 5311** Environmental and Hazardous Waste Law

**CF 3317** Global Perspectives on Environmental Issues (cannot count for GEC)

**CF 3397** Science and Politics in the Nuclear Age (cannot count for GEC)

#### The Courses (GEOL)

**1301. Earth Systems.** Examines geologic change within the Earth as governed by physical, chemical, and biological processes, and interactions between the solid earth, oceans, atmosphere, and biosphere. Three hours of lecture and one two-hour laboratory each week. Recommended for all geology tracks.

**1305. Oceanography.** A study of the physical (geological), biological, and chemical processes responsible for the existence of the ocean as we know it today. Examines the impact of man on the oceans and oceanography's role in resource development, climatic and environmental modification, and other human concerns. Three hours of lecture and one two-hour laboratory each week.

**1307. The Solar System.** A study of the formation and evolution of the solar system. Discussion of solar system materials, nebular processes, meteorites, the formation and evolution of the planets and their satellites, the origin of stars, and the evidence for the standard model of cosmology. Three hours of lecture and one two-hour laboratory each week.

**1308. Evolution and Life History.** Evolution as observed in the fossil record in light of biological principles. Evolution as a process, origins of life, adaptation, extinction, emphasizing

\*Course is taught only at SMU-in-Taos.

#### COURSE PREREQUISITES:

<sup>1</sup> One 1300-level GEOL course or permission of instructor.

<sup>2</sup> High school chemistry and algebra.

<sup>3</sup> BIOL 1401 and 1402 or permission of instructor.



**176 Dedman College**

examples from geological record. One four-hour field trip each week. Recommended for the paleontology track.

**1313. Earthquakes and Volcanoes.** Seismic and volcanic activity are two important manifestations of plate tectonics on the earth. They are also two major natural hazards affecting humankind. This course will emphasize the geologic insights provided by earthquakes and volcanoes, and their impact on society.

**1315. Introduction to Environmental Sciences.** Fundamental principles of ecology, hydrology, geology, population dynamics, land-use management, and related fields will be used as the basis for understanding many of the major environmental issues that face our planet — greenhouse climate changes, soil and water pollution, acid rain and related atmospheric pollution problems, habitat destruction and species extinctions, waste disposal, land use management, energy resource development, geologic hazards, and others. Three hours of lecture and one two-hour laboratory. Field trips will take the place of some laboratory classes.

**2320, 2321. Southwestern Environments: A Geologic Approach.** Practice of the scientific method by investigation of the processes affecting geologic and environmental change in the southwestern United States. Offered only through the SMU-in-Taos program. Course will satisfy either the laboratory science requirement (2320) or the second-term writing requirement (2321). Either course can fulfill a 1300-level geology major or minor course requirement.

**3240, 3241, 3242, 3243, 3343. Geology Field Studies.** Project- and mapping-oriented, two-week field trips to classical geological localities in or outside of the United States. Trips will normally be conducted either during the May Interterm or between terms. Examples of trips planned are to the Caribbean, Hawaii, Grand Canyon, Lake Superior/Canada, and New Mexico/Colorado. *Prerequisites:* One 1300-level course in Geological Sciences and permission of instructor.

**3330. Resources and the Environment.** A study of earth materials and processes and how they bear on planning, resource, conservation, and pollution problems arising from humankind's intense use of the planet earth. Class projects and/or field trips are an integral part of this timely course. *Prerequisite:* 1300-level course in Geological Sciences or permission of instructor.

**3340. Face of the Earth.** A study of the theory of plate tectonics on understanding earthquake, volcano, and mountain belt formations. Specific application of the theory is illustrated in terms of its application to understanding features of the regional geology of North America such as the Coastal Region and the San Andreas fault. *Prerequisite:* One 1300-level course in Geological Sciences or permission of instructor.

**3353. Modern and Ancient Climates.** Science of the modern atmosphere, modern climate, and evidence of historical climatic change. Geological evidence for atmospheric and climatic changes throughout Earth's history. *Prerequisite:* One 1300-level course in Geological Sciences or permission of instructor.

**3359. Computer Methods in Geological Sciences.** Solutions to geological, geochemical, and geophysical problems unique to Earth Sciences using computer methods. Focuses on computer application to geologic mapping, modeling and data analysis. *Prerequisite:* Permission of instructor.

**3360. Process Geomorphology.** Analysis of geological processes and other factors that influence or control the origin and development of landforms of the earth. Laboratory exercises and field trips are included. *Prerequisite:* One 1300-level course in Geological Sciences or permission of instructor.

**3363. Environmental Geology Seminar.** Focuses on timely geoscience-based environmental problems and addresses scientific, environmental, political, economic, legal, and social aspects of potential "solutions" through selected readings, seminars, guest speakers, and research projects. *Prerequisites:* One 1300-level Geology course or permission of instructor.

**3366. Environmental Geology and Geochemical Cycles.** An introduction to the physical and chemical processes occurring in the earth's atmosphere, oceans, rivers, and groundwater at both a local and a global scale. *Prerequisites:* High school algebra and chemistry and one 1300-level course in Geological Sciences.



**3369. Paleobiology.** A survey of biological diversity, phylogenetic analysis, rates of evolution, extinction, biogeography, taphonomy and paleoecology. *Prerequisite:* One 1300-level course in Geological Sciences or permission of instructor. BIOL 1401 is also a suitable prerequisite.

**3374. Introduction to Petroleum Geology.** An introduction to stratigraphy, sedimentation, and petroleum geology. *Prerequisite:* One 1300-level course in Geological Sciences or permission of instructor.

**3451, 3452. Earth Materials I and II.** The study of minerals and rocks: elementary crystallography, crystal chemistry, mineral structures and physical properties, rock classification and identification of rocks and minerals in hand specimen, principles of mineral optics, identification of minerals in thin section, introduction to relationships among rock textures, origins, and rock-forming processes. *Prerequisites:* One 1300-level course in Geological Sciences and credit or registration in CHEM 1301 or 1303 (for 3451); credit or registration in GEOL 3340 (for 3452).

**3454. Structural Geology.** Introduction to the stress-strain relations of rocks, the origin of faults, the brittle to ductile transition, mechanics of thrusting and folding. Laboratory problems in structure contouring, fault solutions, stereonet manipulation, analysis of folded terrains. *Prerequisite:* Credit or registration in GEOL 3452, or permission of instructor.

**3472. Principles of Sedimentation.** A study of the origin and postdepositional modification of sediments, sedimentary structures, and sedimentary rocks. Application to the recognition and interpretation of ancient marine and nonmarine sedimentary depositional sequences. Required weekend field trips. *Prerequisite:* Credit or registration for GEOL 3451 or permission of instructor.

**4296, 4298. Integrative Research.** Faculty-supervised independent geoscience research project designed to acquaint the student with current scientific techniques in data gathering (in field and/or laboratory and/or library), data processing, and presentation of results. *Prerequisite:* Permission of faculty adviser.

**4321. Internship in Geoscience.** Direct experience using applied geoscience techniques in a work environment, including resource recovery companies, environmental companies, law firms, nonprofit organizations, educational institutions, and municipal, state, or federal agencies. *Prerequisite:* Junior or senior standing in a geoscience major, overall G.P.A. of at least 3.0 and completion of GEOL 3452; sponsorship of a professor and approved organization, agency, or company.

**4390. Introduction to Geophysical Prospecting.** Introduction to geophysical exploration techniques. Lecture and laboratory. *Prerequisite:* MATH 1338 or permission of instructor.

**4657. Field Geology.** Geologic mapping and field trips. Taught at Fort Burgwin during the first summer session. *Prerequisites:* GEOL 3454, 3472, or 5350 or permission of instructor.

**5110, 5210, 5310. Independent Study in Geoscience.** Independent study of a selected topic in geoscience. Individual study under direction of a faculty member allowed for 5110 or 5210; group projects allowed for 5310.

**5166. (BIOL 5166) Vertebrate Anatomy Laboratory.** A laboratory course to accompany GEOL 5366. Exercises include basic anatomy, dissections, and examination of fossils. *Corequisite:* GEOL 5366.

**5320. Dynamic Earth I.** Physical and chemical structure of the Earth and its evolution through geologic time. Dynamic processes in the mantle and crust. Development of the theory of plate tectonics as a unifying mechanism for large-scale geologic processes. Implications of plate tectonics, and contemporary applications to geological and geophysical problems. *Prerequisite:* Permission of instructor.

**5366 (BIOL 5366). Vertebrate Origins and Evolution.** An introduction to biological and geological processes that have affected the diversity of vertebrate organisms throughout Earth history, including origination, biogeography, adaptation, and extinction. Strong emphasis on vertebrate anatomy. *Prerequisite:* GEOL 1308 or permission of instructor. The accompanying laboratory is strongly recommended.

**5368. Paleoecology.** Interactions between the living world and the earth's changing environments through geologic time. *Prerequisite:* GEOL 3369 or permission of instructor.



**5370. Global Change.** An introduction to relatively short-term geologic changes in Earth's environments. Tempo and mode in the three principal sources of such changes – extraterrestrial events, variations in the earth's internal dynamo, and the evolving ocean-atmosphere-biosphere system – will be emphasized. *Prerequisite:* GEOL 3452 or permission of instructor.

**5380. Principles of Stratigraphy.** Evolution and application of modern stratigraphic concepts, and the development of stratigraphic nomenclature. Emphasis on the integration of physical, biological, and chemical parameters in interpretation of the rock record. *Prerequisite:* GEOL 3452 or permission of instructor.

**5384. Hydrogeology.** An introduction to the chemical and physical behavior of natural waters and the role of fluids in geologic processes. The course will stress the application of thermodynamics, kinetics, and fluid mechanics to understand such geologic processes as ore formation, sediment diagenesis, isograd formation, acid rain, global warming, and groundwater contamination. *Prerequisites:* MATH 1338 and CHEM 1304, or permission of instructor.

**5386. Geochemistry.** A survey of geochemical processes within the earth and at its surface, emphasizing mineral water interactions and application of the principles of chemical equilibrium to solution of geochemical problems. *Prerequisite:* GEOL 3452 or permission of instructor.

**5389. Theory of Digital Data Processing in Geophysics.** Linear transform theory, convolution, correlation, linear systems, Shannon sampling theorem, discrete Fourier transform, Fast Fourier Transform, Z transform, inverse filtering, recursive filtering, optimum filtering, deconvolution, and power spectrum analysis. *Prerequisite:* MATH 2343 or permission of instructor.

**5391. Potential Field Methods in Geophysical Exploration.** Introduction to potential theory in geophysics. The emphasis is on gravity and magnetic techniques with a brief introduction to heat flow and electrical methods. Basic concepts and their application to hard and soft rock exploration are covered.

**5392. Introduction to Seismology.** Basic principles of seismology. *Prerequisites:* MATH 2343 and permission of instructor.

**5394. Geophysical Problem Solving.** Approaches to problem solving in geophysics. “Back-of-the-envelope” approximations and dimensional analysis. Analytical solutions and numerical techniques on the computer. Inverse theory and error propagation. Using models in the real world. Term project. *Prerequisites:* MATH 2343, 5353; knowledge of a programming language.

**5481. Igneous and Metamorphic Petrology.** The origin, occurrence, and classification of igneous and metamorphic rocks. Problems of genesis are considered in the light of chemical equilibria and features of geological occurrence. Lecture and laboratory. *Prerequisite:* GEOL 3452 or permission of instructor.

## HISTORY

Professor James Hopkins, Department Chair

**Professors:** Jeremy Adams, Peter Bakewell, John Chávez, Dennis Cordell, Edward Countryman, Donald Niewyk, Daniel Orlovsky, Sherry Smith, David Weber, Kathleen Wellman, R. Hal Williams; **Associate Professors:** Melissa Dowling, Kenneth Hamilton, Thomas Knock, Glenn Linden, Alexis McCrossen, John Mears, David Price; **Assistant Professors:** Crista DeLuzio, Benjamin Johnson, Sarah Schneewind.

Departmental courses are of three types: introductory, survey, and more advanced courses that explore large areas of human history; intermediate thematic courses that mix lectures and small group discussions to explore more closely defined topics; and seminars that probe deeply into given areas. Each student should devise a program of study that meets individual interests and needs and also achieves a balance between diversification and specialization. Except where specified, there are no prerequisites, and interested students are invited into all courses.

**Requirements for the B.A. Degree.** Thirty-three term hours in history are required for the major, including a Junior Seminar in Research and Writing (HIST



4300) and one three-hour course at the 5000 level. In addition, majors must take at least six term hours in each of the following three areas: (1) United States, (2) Europe, and (3) Africa, Asia, or Latin America. Any combination of courses in these areas is acceptable (History 4300 will not fulfill these area requirements). At least 18 term hours in courses at the 3000 and higher levels are required. History majors must earn 2.00 minimum G.P.A.s in their history coursework. Six term hours of advanced placement credit can be applied toward the History major.

Twelve term hours of foreign language are recommended.

**The Departmental Distinction Program.** A history major with sufficiently high standing may graduate with honors in history by applying for the degree “with departmental distinction.” During their senior year, candidates for distinction will pursue an individual research project under the direction of a particular professor (while enrolled in HIST 4375). This major research project will develop from the 5000-level seminar or HIST 4300, the junior seminar. The project will be presented as a thesis before the end of the term. The successful honors graduate must also pass an oral examination on the thesis.

**Requirements for the Minor.** Students with a general interest in history may pursue a minor by taking 15 term hours of departmental course work. Nine term hours must be taken at the 3000-5000 level. Students intending to take a minor in the department should design a program of study in consultation with the Director of Undergraduate Studies.

**Prelaw Adviser.** A department adviser is available to advise students interested in legal careers on appropriate course work and the law school application process.

### Foundation and Special Courses (HIST)

**1301, 1302. World Cultures and Civilization.** A survey of world cultures from the earliest times to the present. The development of individual civilization will be studied within a comparative framework emphasizing the themes common to all human history.

**1311. Western Civilization to 1527 A.D.** A survey of the cultural phenomenon often called *Western Civilization*, from its prehistoric roots in western Asia as well as Europe, through ancient Mesopotamian and Egyptian civilization to the Greeks, the Romans, and the medieval experience up to the “Renaissance.” Lecture course, with much reference to literature and visual arts.

**1312. Western Civilization Since 1527.** An introductory survey of Western civilization from about the time of the Reformation to the present.

**2300. The Vision of History: The Western Tradition.**

**2301. The Vision of History: The American Experience.**

**4300. Junior Seminar in Research and Writing.** Consists of a common body of readings on research methods and writing and a relatively small core of required readings that will be different in each section and organized around a topic chosen by the instructor. Closely supervised writing assignments, based upon the required readings, will grow into a major research project by the end of the term.

**4375, 4376. Departmental Distinction.** Honors program open to qualified seniors by invitation of the department.

**4397. Internship in History.** An opportunity for students to apply historical skills in a public setting working with a supervisor of the student’s work and a professor assessing the academic component of the project. *Prerequisites:* Junior or senior standing and at least 2.5 overall G.P.A.

**4398, 4399. Independent Study.** History majors in their junior year may apply to the Director of Undergraduate Studies to pursue a personally designed course of study under the guidance of an appropriate professor during the junior or senior year.



### United States History

Majors planning a concentration in the U.S. history field are advised to begin their program with one of the “problems” or *advanced* survey courses (at the 3000-4000 level), *not* HIST 2311, 2312.

#### The Courses (HIST)

**1321. First-Year Seminar in American History.** Offers the beginning student an opportunity to explore particular topics in American history intensively in a small class setting.

**2311. Out of Many: U.S. History to 1877.** Growth of American civilization. General survey, with particular attention to social and political aspects. Open to first-year students.

**2312. Unfinished Nation: U.S. History Since 1877.** Growth of American civilization. General survey, with particular attention to social and political aspects. Open to first-year students.

**2339. A History of Technology in the United States.** Examines how technological innovations have changed the lives of Americans between the Revolution and the present. Considers how Americans have embraced, resisted, understood, and used new technologies.

**2380 (CFA 3380). Ethnic Regions in the Western World.** An interdisciplinary course that examines the ways regional ethnic minorities – such as the Basques, Québécois, and Chicanos – have functioned within larger societies in Western Europe and North America.

**2398. American Politics and Culture, FDR to Bush.** Examines life and culture in modern America.

**3301 (CF 3317). Human Rights: America’s Dilemma.** Examines certain violations of human rights within their historical context and explores America’s commission and prevention of human rights violations.

**3304. Blacks and the Civil Rights Movement.** African Americans and the Civil Rights Movement with a focus on post-World War II migration, changing conceptions of race, increasing black prosperity, integration and black nationalism, and the lives of significant black leaders of the Civil Rights Movement.

**3305 (CF 3318). The Hispanos of New Mexico, 1848-Present.** History of the Mexican-American subculture of New Mexico. Field trips to historical sites. SMU-in-Taos. Summer only.

**3306 (CF 3309). Colony to Empire: U.S. Diplomacy 1789-1941.** Examines major events in American foreign policy from the Early National period to Pearl Harbor, emphasizing 19th-century continental expansion, early 20th-century imperialism, and American involvement in the World Wars.

**3307. The U.S. and the Cold War, 1945-1989.** An examination of major events in American foreign policy since World War II, emphasizing policy toward Western Europe, the Soviet Union, Asia, and Latin America.

**3308 (CF 3320). History of Hispanics in the U.S. Through Film.** An examination of selected events and developments in the histories of Mexican Americans, Puerto Ricans, Cuban Americans, and other Latinos as depicted in film and video, in movies and television.

**3309 (CFB 3309) North American Environmental History.** Surveys North American environmental history since pre-Columbian times. It expands the customary framework of historical inquiry by focusing on the interaction of human beings and the natural world.

**3310. Problems in American History.** Explores historical issues or trends in U.S. history using a case study or comparative format.

**3311. Nineteenth-Century American West.** History of the trans-Mississippi West in the 19th century, with an emphasis on major political, social, economic, and environmental themes of the region’s history.

**3312. Women in American History.** Analyzes women’s changing social, economic, and political roles in American society from colonial times to the present.

**3313. African Americans in the United States, 1607-1877.** Examines the people of the African continent, uprooted and enslaved, who continually grappled with the problem of how to preserve their dignity and identity in a hostile environment. The African Americans’ adjustment to American society, their exterior struggle against political oppression, the interior nature of their group life, and the development of black institutions are critical to the course’s concerns.



**3314. African Americans in the United States, 1877 to the Present.** Particular attention will be given to Populism, disfranchisement, segregation and lynching, black leadership ideologies, the influence of mass migrations, the impact of the Great Depression and two world wars on black life, the quest for equality in the 1950s and the Civil Rights Movement in the 1960s, and the flowering of black culture and nationalism.

**3319. Texas History.** Texas as a crossroad of cultures from the 16th century to the present.

**3320. The Spanish Frontier in North America, 1513-1821.** (Also listed under Latin American History.) The exploration, colonization, and development of the South and Southwest under Spanish rule, 1513 to 1821, including interaction with Indian peoples.

**3321. The American Southwest.** (Also listed under Latin American History.) History of the American Southwest, from the initial penetration in 1821 to the present.

**3322 (CFB 3322). Native American History.** Examines the roles Native Americans played in the history of North America (excluding Mexico) from 1500 to the present.

**3324. The Mexican Americans, 1848 to the Present.** Traces the historical evolution of the Mexican-American people in the Southwest from pre-Columbian to modern times with emphasis on the era since the Mexican War.

**3327 (ECO 3327). Economic History of the United States.** Development of the United States economy from colonial times until the present. Causes and consequences of American economic growth and instability.

**3336 (CF 3366). Cultural History of the United States.** Analysis of the literature, art, architecture, music, drama, popular amusements, and social customs of America since 1877.

**3338. U.S. Social History to 1877.** Views history from the bottom up, offering a comparative examination of the American social experience (colonial era to 1877) in terms of race, class, ethnicity, and gender.

**3339. U.S. Social History since 1877.** Views history from the bottom up, offering a comparative examination of the American social experience (1877 to the present) in terms of race, class, ethnicity, and gender. *Recommended preparation:* HIST 3338.

**3346. The 20th-Century American West.** Examines the American West in the 20th century, emphasizing major social, cultural, economic, and political themes of the region's last one hundred years. Explores the characteristics that distinguish the West from other American regions and investigates its continued significance to American history.

**3347. Civil War and Reconstruction.** Examines the institution of slavery, the events leading to the Civil War, the War itself, and the subsequent efforts at Reconstruction.

**3348 (CFA 3348). American Families: Changing Experiences and Expectations.** Explores changes in American family life from the colonial period to the present. Seeks to understand how family ideals, structures, and roles have shaped and been shaped by social and historical change.

**3362. Searching for the American Dream: U.S. Immigration/Migration.** Focus on American identity through the history of immigration and migration. Topics include the slave trade; European, Asian, and Latin-American immigration; the Overland Trail; illegal immigration; and "the melting pot."

**3364. Consumer Culture in the United States, 1700-1990.** The business, cultural, and political history of the rise of the consumer culture in the United States. Focus on the development of institutions, ideas, and practices centered on consumption.

**3369. Colonial America.** A study of the transfer of Europeans and Africans to the British mainland provinces and the development of a multicultural and multiregional colonial society.

**3370. The American Revolution.** A survey of political, social, and military history of the Revolutionary era. Major topics include the imperial crisis, mobilization and war, and state and federal constitutional development.

**3372. The South in American History.** Explores the origin, development, and present and future status of the South's position in America.

**3379 (CFA 3325). A Cultural History of New Mexico.** Explores the history of struggles between



## 182 Dedman College

the state's dominant ethnic groups – Native American, Hispanos, and Anglos – over rituals, spaces, and objects. (SMU-in-Taos)

**3384. Social Action in Urban America.** An examination of the historical development of social action in American cities and communities, from religious charity organizations of the 19th century to present-day community organizing projects. Taught in conjunction with the SMU Inter-Community Experience (ICE) Program and includes a three-hour-per-week community service requirement. *Prerequisite:* Permission of instructor.

**3388. The African-American Urban Experience, 1865-1980.** A history of blacks in American cities during the post-Civil War era. Investigates the forces that inspired blacks to relocate to urban areas and surveys the dynamic lifestyles created within evolving black urban communities, the long periods of major African-American rural-to-city migration, institution building, black politics, African-American economics, race relations, and social life.

**3391 (CF 3330). From Pew to Bleacher: American Culture and Institutions.** An introduction to the formation of 19th- and 20th-century American culture and civilization through the study of the Church, print culture, museums, galleries, libraries, theater, Hollywood, television, and professional sports.

**3394. The "New Woman": The Emergence of Modern Womanhood in the U.S., 1890-1930.** Explores the experiences of a variety of women from 1890-1930, including feminists, reformers, intellectuals, artists, working women, mothers, high school and college students, and juvenile delinquents.

**3399. U.S. Foreign Policy from the Spanish American War to Vietnam.** A broad survey of American foreign relations in the 20th century. Traces the rise of the United States as a world power from Teddy Roosevelt's charge up Kettle Hill to the evacuation of Saigon in 1975.

**3401 (CF 3401). The Good Society.** Examines the values and ideals that have been fundamental to the historical concept of the "good society," with an emphasis on themes to aid in understanding issues of race, gender, ethics, and power essential to any meaningful evaluation of the society in which one lives.

**4353, 4354. History of Ideas in America.** Studies the main themes of American public thought from the colonial period to the Civil War and from the Civil War to the present.

### *For Undergraduate and Graduate Students*

**5330, 5331. Seminar in Mexican-American History.** An examination of the growing historiography on Mexican-Americans, focusing on the relationship between their ethnic identity and the Southwest. (Also listed under Latin American History.)

**5340, 5341. Seminar in American History.** Intensive examination of major topics in American history.

**5344. American Cultural History.** Considers the histories of cultural institutions, objects, ideas, and practices. Explores an array of representative cultural conflicts and obsessions that have marked American history.

**5345. Industrialism and Reform in U.S., 1877-1919.** An investigation of life in Gilded Age and Progressive-period America, including industrialization, urbanization, and social conflict.

**5350. Twentieth-Century America: A Seminar.** Intensive examination of major developments in recent American history.

### **European History**

**1303. Millennialism Through the Ages.** A historical look at the ancient and current notion that an apocalyptic End Time will produce a New Heaven and New Earth turning conventional order upside down, and how to behave if so.

**1322. First-Year Seminar in European History.** Offers the beginning student an opportunity to explore particular topics in European history intensively in a small class setting.

**2321. Philosophical and Religious Thought in the Medieval West.** A study of the key issues in Western thought, and of their temporary resolutions, in the "medieval" millennium – and of the shifting balance between Greek and Hebrew elements in that evolving tradition.

**2323 (CFA 3320, FL 3323). Russian Culture.** Significant aspects of Russian thought and culture at its various stages of development, illustrated by examples from poetry, prose, drama, journalism, architecture, the fine arts, and music.

**2346. Modern England, 1714 to the Present.** A survey of modern English history from the accession of the Hanoverians to the present, with emphasis on social and political themes dealing with the transition from a landed to an industrial society. (SMU-in-Oxford)

**2353. (CF 3392, ARHS 3318) Currents in Classical Civilization.** The interdisciplinary study of the art, literatures, and history of the ancient Greek and Roman worlds, focusing on the development of democracy, individualism, immortality, heroism, justice, sexuality, nature, etc.

**2354. Ancient Foundations of Modern Civilization.** An introduction to the study of the ancient world embracing both the ancient Near East and classical Greek and Roman civilization.

**2355. History of the Ancient Near East and Egypt.** An introduction to the ancient civilizations of Mesopotamia, Israel, Anatolia, and Egypt. Examines changing ancient cultures as they contact (or conquer) each other as seen through their literature, histories, and archaeological remains.

**2365. Europe in the Modern World, Renaissance to 1760.** An introductory survey of the growth of European civilization.

**2366. Europe in the Modern World, 1760 to Present.** A continuation of HIST 2365.

**3302. Georgian and Victorian England, 1714-1867.** The political, social, and economic institutions of Britain and their development in the 18th and 19th centuries.

**3303. Modern England, 1867 to the Present.** Britain in the 20th century, with social and cultural emphasis; traces the changes in outlook and Empire to the present day.

**3328. Economic History of Europe: 1000 A.D. to the Present.** Survey of the development of the European economy from 1000 A.D. to the present. Sources of growth and institutional changes will be explored.

**3329 (CF 3322). Women in Early Modern Europe.** A study of the influence of women in European society and intellectual movements from the Renaissance through the Enlightenment.

**3330. Women in Modern European History.** An exploration of the role of women in European society, from the cultures of Crete and Sumer to the present.

**3332. Ancient and Medieval France.** An exploration of selected themes that dominate the current history, archaeology, and historiography of ancient and medieval France, from the paleolithic cave painters to Joan of Arc.

**3333. Early Modern France to 1789.** An examination of the social, political, and cultural transformation of 16th-, 17th-, and 18th-century France through the rise of the Bourbon monarchy, its consolidation under Louis XIV, and its evolution under his successors.

**3334. France Since 1789.** A history of France from 1789 to the present with special emphasis on social and cultural history including the French Revolution and its legacy, the development of 19th-century French society, and France during the two World Wars.

**3335 (CF 3335, FL 3335). One King, One Law: France 1500-1789.** The culture of France through its history and literature, emphasizing the historical developments, ideas, and literary texts that define the period and illuminate both French Classicism and absolutism.

**3337 (CFB 3337) Ethical Dilemmas in a Global Age.** A cross-cultural exploration of major ethical issues emanating out of the radically changing context of human existence in recent decades.

**3340. The Revolutionary Experience in Russia, 1900-1930.** The effects of the breakdown of the old regime and the establishment of Soviet power on Russian society and culture. Examines the evolution of political and social institutions, ideologies, literature, and the arts against the backdrop of the era's turbulent political history.

**3341. Soviet/Post-Soviet Society and Politics 1917 to Present.** Soviet/Russian/Eurasian experience from historical, ethnographic, economic, social, and cultural perspectives, beginning with the present and going back to the roots of the Soviet state and society in the Revolutionary experience, 1917 to 1921.



**3342. Atomic Energy and the Modern World.** An examination of the development of atomic energy and how it has affected the way we have lived in the 20th century.

**3344 (CF 3394). The Oxford Landscape: From the Stone Age to the Tudors.** An exploration of several approaches to the development of the distinctive human “landscape” of the Upper Thames Valley and the city that gradually became its metropolis, from the paleolithic era to the end of the Middle Ages. (SMU-in-Oxford)

**3345. England in Medieval and Early Modern Times.** Treats selected themes in the history of England to 1688, with special attention to formative periods and developments in the evolution of the English state. (SMU-in-Oxford)

**3350. Life in the Medieval World, A.D. 306 to 1095.** A survey of the political, religious, and cultural history of Western Europe from Constantine the Great to the First Crusade.

**3351. Life in the Medieval World, 1095 to 1350.** A survey of the political, social, and intellectual structures that characterized the civilization of Western Europe between the First Crusade and the Black Death.

**3352. The Age of the Crusades.** Exploration of patterns of thought and behavior underlying and motivating the military, ideological, and general cultural confrontation between Christendom and Islam from the late 11th to the 14th centuries.

**3353. The History of Ancient Greece.** A study of the ways in which the various societies of ancient Greece approached the problem of defining, establishing, and maintaining an equitable social order.

**3354. Warfare and Diplomacy in Antiquity.** A study of the methods both of waging and of averting war in antiquity.

**3355 (CF 3325). Class and Gender in Ancient Society.** An examination of class and gender in the ancient world with special emphases on changing definitions of masculinity and femininity in Greek and Roman culture and the position, rights, and interaction of different groups (e.g., free and slave, citizen and foreigner, soldier and civilian).

**3356. The Individual and Society in Antiquity.** A study of different concepts of the nature of the individual and his relation to society in Homeric and classical Greece and republican and imperial Rome.

**3357 (CF 3363, ENGL 3357). Joan of Arc: History, Literature, and Film.** The life and later reception of the extraordinary peasant girl, Joan of Arc (ca. 1412-1431), who in two years changed the course of European history before she was burned at the stake.

**3358. Europe in the Age of the Renaissance, 1300-1520.** The political, economic, religious, and cultural history of Europe, with emphasis on the work of the Humanists in Italy and Northern Europe.

**3359. Europe in the Age of the Reformation, 1520-1598.** The political, economic, religious, and cultural history of Europe, including the impact of the Protestant and Catholic reform movements.

**3360. English Society in the Age of Elizabeth the Great.** Focuses selectively upon key aspects of the social, cultural, religious, and intellectual life of Elizabethan England, set against the background of political, economic, and diplomatic developments in Europe in the 16th century.

**3361. Roman History and the Roman Mind.** The development of Roman civilization from its earliest beginnings to the dawn of the Middle Ages.

**3363 (CF 3306). The Holocaust.** Examines the destruction of the European Jews as they emerged from pre-World War I anti-Semitism and Nazi racism. Considers Jewish responses to genocide, the behavior of bystanders, and possibilities of rescue.

**3365, 3366. Problems in European History.** Historical events or trends of particular significance in the development of modern Europe will be examined with consideration of the ways in which historians have assessed and reassessed their viewpoints. Students will be invited to join in the controversy with a modest research project of their own. Topics will be selected in accordance with the interests of students and instructors and hence will vary from term to term.

**3367. Revolutions in European History.** Traces the impact of revolutionary explosions on European civilization from the peasant revolts of the late Middle Ages through the rebellions





of the 1560s and 1640s and the great upheavals of the Age of Democratic Revolution to the events of 1917 in Russia. *Recommended preparation:* HIST 2365, 2366.

**3368 (CF 3312). Warfare in the Modern World.** The evolution of weapons, tactics, strategy, and military organization in the western world from the Renaissance to the present, with special attention to the fundamental nature and causes of armed conflict as well as the interrelationships between warfare and society as a whole.

**3373 (CF 3327). Science, Religion, and Magic in Early Modern England.** A study of the interaction of three ways of thinking about nature and the place of human beings within nature – science, magic, and religion. Focuses on early modern England and religious divisions of the English Reformation and civil wars that brought political dissension and many competing views of nature and society.

**3374 (CF 3328). Diplomacy in Europe: Napoleon to the European Union.** Treats the evolution of the European state system from the post-Napoleonic settlement through the end of the Cold War and creation of the European Union.

**3375. Social History of Early Modern Europe.** Studies European social and cultural development from the Renaissance to the French Revolution.

**3376 (CF 3314). Social and Intellectual History of Europe.** Studies European social, cultural, and intellectual development from 1848 to the present.

**3383. Habsburg Monarchy: Making of East Central Europe.** The Habsburg monarchy from its medieval origins through its disintegration at the end of World War I, with emphasis on its enduring legacy to contemporary Europe.

**3385. The Balkan Peninsula in its European Context.** The impact of events in the Balkan peninsula on the development of European civilization from the conquests of the Ottoman Turks prior to 1566 through the contemporary era.

**3397 (CF 3336). Modernity and Crises of Identity.** Draws on the works of major intellectuals and artists. Explores crises of identity in Western culture during the decades prior to World War I.

**4363. Inside Nazi Germany.** The reality beneath the spectacle of the Nuremberg rallies and the efficiency of the totalitarian state.

**4369. History of Modern Germany.** Surveys developments in German society from unification under Bismarck to division in the wake of World War II, with particular attention given to Hitler's rise to power.

**4380. History of Spain to 1492.** (Also listed under Latin American History.) The main social, political, and cultural topics of the history of the Iberian Peninsula before Ferdinand and Isabella, focusing on the Roman and Medieval periods.

**4381. History of Spain, 1469 to the Present.** (Also listed under Latin American History.) The main social, political, and cultural topics of the history of the Iberian Peninsula from Columbus to the present.

**4384. Early and Medieval England, from the Beginning to 1485.** The early historical heritage of the English peoples, from prehistoric times through the end of the Middle Ages.

**4385. Tudor and Stuart England, 1485 to 1714.** The emergence of the modern British state and societies in the 16th and 17th centuries.

#### ***For Undergraduate and Graduate Students***

**5364. The City of God: Utopias in Christian Tradition.** An examination of St. Augustine's masterpiece, along with several of its models and analogues from the Greco-Roman and Hebrew traditions.

**5367. Russia from the Kievan Era to 1881.** Surveys the development of state and society from the beginnings of history in East Slavic territory through the era of the Great Reforms.

**5370. Seminar in French History.** An examination of key historians and of the several modes of history-writing that shape our vision of pre-modern France.

**5371. The French Revolution and Napoleon, 1789-1815.** The nature and causes of revolution, the French Revolution, and the career of Napoleon Bonaparte.



**5372. Europe from Napoleon to Bismarck, 1815-1870.** Examines the aftermath of Napoleon's empire, with special consideration of the revolutions of 1848.

**5373. Europe from Bismarck to World War I, 1870-1918.** Studies some of the modern world's most potent ideas: imperialism, social Darwinism, Marxism, racism, and positivism in the context of Europe at the peak of its influence.

**5374. Recent European History, 1918 to the Present.** Considers two attempts to revive Europe from the effects of disastrous world wars, as well as the sources of new vigor it has found in the last 30 years.

**5375. Europe in the Age of Louis XIV.** The Scientific Revolution, the culture of the Baroque, and development of the European state system under the impact of the Thirty Years' War and the wars of Louis XIV.

**5376. Europe in the Age of Enlightenment, 1715-1789.** A study of society and culture in 18th-century Europe, the Enlightenment philosophies, Rococo art, the classical age of music, Enlightened Despotism, and the coming of the French Revolution.

**5378 Medieval Renaissances.** A reading-and-discussion seminar in two bursts of medieval cultural activity, the Carolingian and 12th-Century Renaissances. Focuses on two case studies (Alcuin and John of Salisbury).

**5390. Seminar in Russian History.** This advanced seminar covers in depth selected topics in late Imperial and Soviet history. *Prerequisite:* HIST 3340 or 3341, or permission of instructor.

**5391. Athenian Democracy.** This seminar examines the development of democratic government in Athens and studies the functioning of that government in peace and in war.

**5392. Seminar in European History.** Intensive examination of major topics in European history. *Prerequisite:* Junior standing or permission of instructor.

### Latin American History

Students planning a concentration in Latin American History are urged to take HIST 2384 and 2385, followed by HIST 4380 and 4381.

**2384 (CFA 3318). Latin America: The Colonial Period.** An introductory survey covering the evolution of Latin American society from pre-discovery to the late 18th century.

**2385 (CFA 3319). Latin America in the Modern Era.** An introductory survey beginning with the 19th-century wars of independence from Spain and Portugal and emphasizing the 20th century as the new nations struggle for political stability and economic independence.

**3317. Women in Latin-American Societies.** The female experience in the formation of Latin American colonial societies. The theoretical explanation of womanhood within the ideology of the Spanish Counter-Reformation and its application to the daily life of women will be studied.

**3320. The Spanish Frontier in North America, 1513-1821.** (Also listed under United States History.) The exploration, colonization, and development of the Southwest under Spanish rule, 1513 to 1821, including interaction with Indian peoples. (For History majors, fulfills United States or Latin American requirement.)

**3321. The American Southwest.** (Also listed under United States History.) History of the American Southwest, from the initial penetration in 1821 to the present.

**3380. Problems in Ibero-American History.** Allows students to study special topics on a comparative or thematic basis. Avoids the strictly national, chronological approach to history in favor of topical organization.

**3382. History of Mexico.** Studies pre-Columbian, colonial, and independent Mexico. Stresses culture and social developments.

**3386. History of the Caribbean.** A survey of Caribbean history aimed at identifying common and contrasting themes in this very diverse part of the world. Topics include the Caribbean before 1492, the slave trade, sugar and the plantation economy, abolition, the dependent Caribbean, and the false promise of independence.

**4380. History of Spain to 1492.** (Also listed under European History.) The main social,



political, and cultural topics of the history of the Iberian Peninsula before Ferdinand and Isabella, focusing on the Roman and Medieval periods. (For History majors, fulfills only European requirement.)

**4381. History of Spain, 1469 to the Present.** (Also listed under European History.) The main social, political, and cultural topics of the history of the Iberian Peninsula from Columbus to the present. (For History majors, fulfills only European requirement.)

#### ***For Undergraduate and Graduate Students***

**5330, 5331. Seminar in Mexican American History.** (Also listed under United States History.)

**5382. Seminar in Latin American History.** Intensive examination of major topics in Latin America history.

#### **African, Asian, and World History**

**1323. First-Year Seminar in Non-Western History.** Offers the beginning student the opportunity to explore particular topics in Non-Western history intensively in a small class setting.

**2391. Africa to the 19th Century.** History of Africa south of the Sahara, focusing on culture and social organization, the Bantu migrations, African kingdoms, contacts with the world, Islam, and the slave trade.

**2392. Modern Africa.** An introduction to the history of Africa since 1800. Focuses on a number of themes to enable a better understanding of the recent past of this vast continent. Major topics include 19th-century social, political, and economic revolutions in Southern and West Africa, the incorporation of the continent into the capitalist world economy, class formation under colonial rule, the rise of nationalism, and the politics of liberation.

**2393. Japan Before 1850.** Japan from its origins through the Tokugawa period. Themes include the military and the emperor in the polity, religions in society and culture, and the continuous, contested creation of identity.

**2394. China Before 1850.** Examines changes and continuities from Neolithic times to 1850 in Chinese state, society, and religion, and the relations among the three spheres, through scholarly writings and primary sources.

**2395. Modern East Asia.** A survey of modern East Asia emphasizing an outline of the traditional societies, the Western impact, Japanese industrialization and imperialism, Pearl Harbor, and the rise of Chinese communism.

**3326 (CF 3310). The Venture of Islam.** An introduction to Islamic civilization through an examination of Islamic history and society, arts and letters, and science, as well as philosophy and the legal order. Considers the response of Islam to the challenge posed by the West.

**3371 Conflicts in the Modern Middle East.** Examines the Arab-Israeli conflict, other regional conflicts, and the U.S.-U.S.S.R. Cold War in the Middle East.

**3378. Problems in African History.** Examines a particular topic in the history of Africa. Potential topics include the trans-Saharan caravan system, the arrival and spread of Islam, the rise of African-European cultures, the slave trade, the abolition of slavery, imperialism and colonial transformations, nationalism, liberation movements, independence and underdevelopment, and democratization.

**3387 (CF 3315). Asia and the West.** Goods, ideas, religions, artistic styles, technologies, soldiers, and diseases have long traveled between East to West. Scholarship, primary sources, literature, and film illuminate the material and ideological effects of the exchanges.

**3389. Problems in Middle Eastern History.** A contemporary topic is treated in historical perspective. Sample topics include the Arab-Israeli conflict, oil and the politics of energy, and Islamic fundamentalism.

**3390. The Modern Middle East: From the Ottoman Empire to OPEC.** History of the Middle East since the 19th century focusing on the decline of the Ottoman Empire, the Western challenge, the rise of national states, the Arab-Israeli dilemma, and the politics of energy.

**3392 (CF 3349, FL 3349). The African Diaspora: Literature and History of Black Liberation.** Examines the role of Black literature in bringing on the collapse of European colonial order



**188 Dedman College**

and as a major force in the struggle against neocolonialism today. Explores links between literature and politics, literature and history, and thought and action in 20th-century Africa and the Caribbean.

**3393. China in Revolution.** Examines the “century of revolution” in China, from the mid-19th century to the present, beginning with the unique political and social structure of “Old China,” and analyzing the impact of Western Imperialism and the creative responses of intellectuals, warlords, and revolutionaries.

**3395. Problems in Asian History.** Explores historical issues, trends, or special topics in Asian history using a thematic or comparative format.

**3396. Middle Eastern Economic History.** Examines economic patterns in Middle Eastern history, politics, and social life from the 18th century until the present.

**3398. Women in Chinese History.** Examines changes and continuities from Neolithic times to today in women’s roles in politics and the state, religions and ideologies, the family and its alternatives, and production and consumption.

**4364. History of South Africa: Background to Conflict.** A survey of the history of South Africa from the 17th century to the present. Emphasis on the historical development of the patterns of economic, social, and political interaction among the peoples that led to the emergence of a majority-ruled, “new” South Africa.

### **INDIVIDUALIZED STUDIES IN THE LIBERAL ARTS**

**Professor Kathy Hayes, Director**

The Individualized Studies major in the Liberal Arts provides students an opportunity to design an interdisciplinary program of study that brings fields of inquiry together in unique combinations not currently offered as a program in the curriculum.

Interested and academically qualified students are invited to explore this possibility with the Director of the Program, Dr. Kathy Hayes, Associate Dean of Dedman College, 214-768-2168. If the Plan of Study appears to have merit, Dr. Hayes will suggest faculty persons in appropriate departments and divisions of the University who can provide further assistance in designing the program. Students must ask at least three faculty members to constitute a Faculty Supervisory Committee, with one serving as chair.

#### **Program Description**

Students with at least a 3.50 G.P.A. in the first 24 term hours taken in residence at SMU are eligible to pursue the program in Individualized Studies.

The program consists of individually designed majors in the liberal arts of at least 36 term hours, with a minimum of at least 24 term hours of advanced courses (3000 level or above). The program must satisfy the General Education Curriculum (GEC) requirements and all other University and Dedman College graduation requirements. Students are responsible for fulfilling all prerequisites for courses taken.

The degree will be identified as a Bachelor of Arts. The transcript will refer to the major as “Individualized Studies in the Liberal Arts.” A note on the transcript will denote the specialization. Students intending to seek admission to graduate schools are encouraged to include at least 30 hours of a coherent set of courses in an identifiable disciplinary field.

The following should be submitted to the program’s director, Dr. Kathy Hayes:

1. Formal Plan of Study (including goal statement and major plan).
2. Transcript.

With the director’s approval and written approval of the Faculty Supervisory Committee, materials will be submitted to the College Undergraduate Council for action.

### Administrative Procedures

The Dedman College Undergraduate Council shall have the final authority to approve all individualized programs. The Chair of the Council (or a designee) will act as the Director of Individual Studies.

Prior to declaring the major, a number of steps must be completed:

1. The student and chair of the program must form a Supervisory Committee with a minimum of three members. The Supervisory Committee will provide advice and guidance to the student. At least two members, including the chair of the committee, shall be resident members of the Dedman College faculty.
2. The student will submit a Plan of Study to the director and to each Supervisory Committee member. If the committee and the director approve the Plan of Study, the Plan is then submitted for approval by the Undergraduate Council.
3. The Plan is transmitted to the office of the Associate Dean for Student Academic Affairs and to the Dedman College Dean's office.

The Plan of Study normally should be submitted to the Dedman College Undergraduate Council for approval before the completion of 60 total term hours of coursework.

The chair of the Supervisory Committee and the College Dean's Office will recommend candidates for graduation. The Dean of Student Records will be responsible for verifying and certifying graduation requirements.

### INTERNATIONAL AND AREA STUDIES

International and Area Studies provides students with the opportunity to design interdisciplinary programs of study that will give them an understanding of the human experience in a global perspective, while at the same time allowing them to develop in-depth knowledge and expertise in specific geographical areas. These programs include (1) a major or minor in International Studies, (2) a minor in Asian Studies, (3) a minor in European Studies, and (4) a major or minor in Latin American Studies. Descriptions of each of these programs along with their degree requirements are listed below.

To succeed in an international career, students need expertise in the politics, economics, history, language, and cultures of societies other than their own. The curricula for the International and Area Studies programs are designed to provide students with a foundation for this expertise, requiring course work in the social sciences, business, language, and humanities. To maximize the educational experience in these degree programs, all majors are strongly encouraged to spend at least one term or summer studying abroad. The University offers numerous study-abroad opportunities around the world; most of these courses may be applied to the International and Area Studies majors and minors. For more information, see the "Study Abroad" section in this bulletin, as well as the requirements for each of the programs listed below.

#### International Studies

**Professor James Hollifield, Director**

The major in International Studies requires 33 hours of study in specific courses in addition to prerequisites for certain courses; this includes 15 hours of study from the basic curriculum. At least 18 hours from the Basic and Area Studies Curricula must be in courses at the 3000 level or above. A cocurricular requirement for the B.A. degree in International Studies is two years of college-level study of a foreign language or equivalent. The language requirement may be met through examination, the transfer of language study credit from another university, or by taking courses on campus.



The minor in International Studies requires 15 hours of study from the Basic Curriculum, nine hours of which must be in courses at the 3000 level or above. A cocurricular requirement for the minor is one year of college-level study of a foreign language or equivalent.

**Basic Curriculum**

The first 15 hours (constituting a minor in International Studies) must include one course from Introduction to World Cultures; one course from International Politics; one course from International Economics; and two courses from The Global Perspective. Of the 15 hours required in the Basic Curriculum, at least six hours must be in courses at the 3000 level and above. A total of five classes must be taken from the Basic Curriculum.

**Introduction to World Cultures**

- ANTH 2301 Introduction to Cultural Anthropology
- HIST 1302 World Cultures and Civilization

**International Politics**

- PLSC 1340 Introduction to Comparative Politics
- PLSC 1380 Introduction to International Relations

**International Economics**

- ECO 3321 International Economic Policy (*Prerequisites:* ECO 1311 and 1312)
- ECO 4357 International Trade (*Prerequisite:* ECO 3301)
- ECO 4358 International Macro Theory and Price (*Prerequisite:* ECO 3302)

**The Global Perspective**

- ADV 3354 International Advertising (SMU-in-London)
- ANTH 3301 Health, Healing, and Ethics
- ANTH 3310 Gender and Sex Roles: A Global Perspective
- ANTH 3327 Cultural Change and Globalization: Social Science Perspectives
- ANTH 3333 The Immigrant Experience
- ANTH 3336 Gender and Globalization
- ANTH 3344 Cultural Aspects of Business
- ANTH 3368/SOCI 3368 Urban Life: A Cross-Cultural Perspective
- ANTH 4303 Political Economy of Health
- ANTH 4307 Seminar in International Health
- ANTH 4384 Global Issues and Development: An Overview (Seniors only)
- ARHS 1307 World Art Traditions: A Survey
- CCPA 3321 International Public Relations (SMU-in-London)
- ECO 5360 Economic Development in the Third World  
(*Prerequisites:* ECO 3301 and 3302)
- ECO 5361 Natural Resources
- ECO 5362 Economic Growth
- ENGL 3330 Non Western Culture and Literature (20th-century, third world texts)
- ENGL 3331 Gender, Race, and Class: Non-Western Culture and Literature
- FINA 4329\* International Finance (*Prerequisite:* FINA 3320)
- HIST 2380 Ethnic Regions: Western World
- HIST 3306 Colony to Empire: U.S. Diplomacy 1789-1941
- HIST 3337 Ethical Dilemmas in a Global Age
- HIST 3397 Modernity and Crises of Identity
- HIST 3399 U.S. Foreign Policy from the Spanish-American War to Vietnam
- MKTG 3300 Marketing Management Field Project (SMU-in-Copenhagen)

---

\*Only available to Business majors with a minor or second major in International Studies.



- MKTG 4340\*** Contemporary Marketing Topics: Issues in International Marketing (no other topic)
- OBBP 3300/3301** Topics in International Management (Study abroad programs)
- PLSC 3342** Making Democracy Work
- PLSC 3354** The Third World and North-South Relations
- PLSC 3365** Communism and Post-Communism
- PLSC 3382** International Law and Organization
- PLSC 3383** The American Foreign Policy Process
- PLSC 3387** Political Geography
- PLSC 3389** International Political Economy (also SMU-in-Oxford)
- PLSC 3390** Negotiating International Trade
- PLSC 4342** Comparative Revolutions: Why Nations Revolt
- PLSC 4380** Current Issues in International Relations
- PLSC 4380** From Marx to Market (SMU-in-Paris)
- PLSC 4381** National Security Policy
- PLSC 4382** The Politics of Military Force
- PLSC 4391** NAFTA and Free Trade in the Americas
- PLSC 4398** Nuclear Weapons and World Politics
- RELI 3366/ANTH 3366** Magic, Myth, and Religion Across Cultures
- SOCI 3340** Global Society
- SOCI 5321** Population Problems

#### **Area Studies Curriculum**

The Area Studies Curriculum requires International Studies majors to specialize in a particular geographical region, defined by a common historical and cultural experience. Students may choose to specialize in Asian, Latin American, European, or African and Middle Eastern Studies. A total of 15 hours must be taken in one of the Area Studies programs listed below. Three courses (nine hours) must be taken from Group I (Social Sciences), and two courses (six hours) must be taken from Group II (Humanities and Arts) in the same geographical area. The final three-hour requirement for the B.A. in International Studies is the Senior Seminar:

**INTL 4388. Seminar: International Government and Politics.** An overview of the central questions in the study of international studies. The topic of the seminar will vary, depending upon the instructor. This course is restricted to International Studies majors of Senior standing. Juniors wishing to take this course must obtain the permission of the program director. **The seminar, which must be taken on campus by all International Studies majors,** is designed as a capstone course where the students can integrate and apply what they have learned.

#### **Special Undergraduate Offerings**

Opportunities for independent study and research are available to majors in International Studies. Students must have the program director's approval prior to registering for these courses. Prerequisites are stated for each independent study course below. No more than two such courses may be counted toward overall major or minor requirements. The Director will indicate where these courses fit in the different sections of the major or the minor.

**INTL 4102, 4202, and 4302. Directed Readings in International Studies.** Students develop and execute independent reading or research projects under the guidance of an International Studies faculty member, culminating in a written report. *Prerequisites:* Written approval of the instructor and the program director or a designate, at least sophomore standing, and appropriate introductory and advanced course preparation.

**INTL 4306. Internship in International Studies.** Undergraduate students who arrange for part- or full-time jobs in International Studies related fields relate these experiences to their academic curriculum through research and writing, under the guidance of an International Studies



faculty member. *Prerequisites:* Written approval of the instructor and the program director or a designate, at least sophomore standing, and appropriate introductory and advanced preparation.

**INTL 4307. Departmental Distinction Thesis.** Candidates for departmental distinction write a thesis under the direction of an International Studies faculty member, culminating in an oral examination over the field of the thesis. *Prerequisite:* Admission to departmental honors candidacy.

### ASIAN STUDIES

The minor in Asian Studies provides students with an opportunity to design an interdisciplinary program of study that will give them an in-depth knowledge of the history, politics, society, and culture of traditional and contemporary Asia. The program embraces all of the subregions of Asia, including East Asia (China, Japan, and Korea), South Asia (India, Pakistan, and Bangladesh), and the many countries of Southeast Asia. With such a diverse region it is especially important to take account of specific national cultures and traditions. To maximize the educational experience, students are strongly encouraged to spend at least one term or summer studying in Asia. Most of the courses taught in University study-abroad programs in Asia may be applied to the Asian Studies minor.

The minor in Asian Studies requires 15 hours of study in specific courses. The first 6 hours (two courses) must be chosen from the four categories of the International Studies Basic Curriculum (see above). Each of the two courses must be from a separate category: either World Cultures, International Politics, International Economics, or Global Perspective. The next nine hours (three courses) must be chosen from the Asian Studies curriculum (below), with at least one course from each of the two groups: Group I (Social Sciences) or Group II (Humanities and Arts). At least nine hours must be at the 3000 level or above. If a student is an International Studies major, only one course from the Area Studies curriculum may be double counted. A cocurricular requirement for the minor in Asian Studies is one year of college-level study of an Asian language. This requirement may be met through examination, the transfer of language study credit from another university, or by taking courses on campus.

#### **Group I: Social Sciences**

- ANTH 3316** Cultures of the Pacific Island
- ANTH 3317** Peoples of Southeast Asia
- ANTH 4390** Asian Society: Study Tour and Seminar (SMU-in-Australia)
- BA 3300** Japanese Business (SMU-in-Japan)
- ECO 4357** Japanese Economy (SMU-in-Japan)
- FL 3320/HIST 3337** Post-War Japanese Culture and Society
- FL 3350/SOCI 3341** Perspectives on the East Asian Woman
- HIST 2393** Japan Before 1850
- HIST 2394** China Before 1850 (also SMU-in-Japan)
- HIST 2395** Modern East Asia
- HIST 3387** Asia and the West: Mutual Images 1800-1920
- HIST 3393** China in Revolution
- HIST 3395** Problems in Asian History
- HIST 3395** Early Asia (SMU-in-Australia)
- HIST 3395** Traditional South Asia (SMU-in-Australia)
- HIST 3398** Women in Chinese History
- PLSC 3346** Government and Politics of Japan (SMU-in-Japan)
- PLSC 4353** The Government and Politics of East Asia
- PLSC 4340** Special Studies: Comparative Politics