

- a. A prerequisite of two years of college level Spanish or Portuguese.
- b. Six hours (2 courses) from the first three categories of the International Studies Basic Curriculum (see above). The two courses must be from a separate category: either World Cultures, International Politics, or International Economics.
- c. A mandatory sequence of six hours (2 courses), which constitutes the core curriculum for whole major.  
**First sequence:** Colonial History (HIST 2384), or History of Latin America (HIST 3380 – SMU-in-Spain), or Spanish American Civilization (SPAN 3374);  
**Second sequence:** Latin America in the Modern Era (HIST 2385), or Government and Politics of Latin America (PLSC 3348).
- d. 15 hours (5 courses) in 3000-level or above courses concentrating in one of the following groups: Social Sciences & Humanities (Group I), Archaeology, Art History, and Foreign Languages (Group II). Students who want to take a course from the group in which they do not concentrate may do so upon the permission of the Director of Latin American Studies. Courses taken in the first and second sequence once taken do not double count for the group requirement. *If a student is also majoring in International Studies, only two courses from the Area Studies curriculum may be double-counted.*

The minor in Latin American Studies requires 15 hours of study in specific courses. The first six 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 Perspectives. The next nine hours (three courses) must be chosen from the Latin American 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 Latin American Studies is two years of college-level study of Spanish or Portuguese.

#### **Group I: Social Sciences**

- ANTH 3311** Mexico: From Conquest to Cancun
- ANTH 3313** South American Indians of the Past and Present
- ANTH 3354** Latin America: Peoples, Places, and Power
- HIST 2384** Latin America: The Colonial Period
- HIST 2385** Latin America in the Modern Era
- HIST 3317** Women in Latin American Societies
- HIST 3320** The Spanish Frontier in North America, 1513–1821
- HIST 3321** The American Southwest
- HIST 3324** The Mexican Americans, 1848 to the Present
- HIST 3380** History of Latin America (SMU-in-Spain)
- HIST 3381/PLSC 4340** Political History of Contemporary Spain (SMU-in-Spain)
- HIST 3382** History of Mexico
- PLSC 3348** Governments and Politics of Latin America
- PLSC 3349** Politics of Major Latin American Countries
- PLSC 4340** Special Studies in Comparative Government and Politics (SMU-in-Spain)
- PLSC 4356** Latin American Political Economy
- PLSC 4385** Inter-American Relations
- PLSC 4391** NAFTA and Free Trade in the Americas
- SOCI 3370** Minority-Dominant Relations
- SOCI 3372** Chicanos in the Southwest

**Group II: Humanities and Arts**

(Spanish-language and literature courses are restricted to the Latin American Studies major and minor. International Studies majors may not take these courses for International Studies credit.)

- ANTH 3312** Mesoamerican Archaeology
- ARHS 1308** Epic of Latin America
- ARHS 3324** Arts and Cultures of Medieval Spain
- ARHS 3338** Baroque Art in Italy, Spain, and the New World
- AHRS 3339** El Greco to Goya: Painting of the Golden Age
- ARHS 3343** Goya and His Time
- ARHS 3344** Paintings at the Prado (SMU-in-Spain)
- ARHS 3360** Modern Painters in Spain (SMU-in-Spain)
- ARHS 3376** Latin American Art
- ARHS 3382** Arts of the Ancient Andean Tradition: Chavin to Inca
- ARHS 3383** The Ancient Maya; Art and History
- ARHS 3385** The Aztecs Before and After the Conquest: Mesoamerica 1400-1600
- ARHS 5368** Maya City: Art and Culture
- ENGL 3363** Chicana/Chicano Literature

*Please note that the following six courses are part of the Latin American Studies major's Group I. However, they remain in Group II for the International Studies major's regional concentration on Latin America and for the Latin American Studies minor.*

- FL 3303/SPAN 3373** Spanish Civilization (SMU-in-Spain)
- FL 3305** Latin American Literature in Translation
- FL 3306** The Heart of Aztlán: Chicano Literature of the Southwest
- SPAN 3374** Spanish American Civilization (SMU-in-Xalapa)
- Spanish Language and Literature Courses:**
- SPAN 4361** Translation: Theory and Practice
- SPAN 4391** Commercial Spanish for International Trade
- SPAN 4395** Introduction to Hispanic Literature
- SPAN 5310** Spanish Literature Before 1700
- SPAN 5311** Spanish Literature Since 1700
- SPAN 5315** Spanish American Literature to 1888
- SPAN 5316** Spanish American Literature Since 1888
- SPAN 5317** Literature of Mexico
- SPAN 5320** The Renaissance and Golden Age: Drama
- SPAN 5321** The Renaissance and Golden Age: Prose Fiction
- SPAN 5323** Nineteenth-Century Prose Fiction of Spain
- SPAN 5324** Twentieth-Century Poetry and Drama
- SPAN 5334** The Novel of the Post-Civil War Period
- SPAN 5335** Genre Studies in Spain
- SPAN 5336** The Spanish American Novel (also SMU-in-Xalapa)
- SPAN 5338** The Spanish American Short Story (also SMU-in-Xalapa)
- SPAN 5339** Spanish American Poetry
- SPAN 5360** The Concept of Honor in Spanish Literature
- SPAN 5365** Contemporary Spanish Women Writers

**Special Undergraduate Offerings**

Opportunities for independent study and research are available to majors in Latin American 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.

**LAAM 4102, 4202, and 4302. Directed Readings in Latin American Studies.** Students develop and execute independent reading or research projects under the guidance of a Latin American 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.

**LAAM 4306. Internship in Latin American Studies.** Undergraduate students who arrange for part- or full-time jobs in Latin American 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.

### **AFRICAN AND MIDDLE EASTERN STUDIES**

**Professor** Dennis Cordell, **Coordinator**

This course of study is offered as an area specialization for International Studies majors only.

#### **Group I: Social Sciences**

- ANTH 3314** Peoples of Africa
- HIST 2355** History of the Ancient Near East and Egypt
- HIST 2391** Africa to the 19th Century
- HIST 2392** Modern Africa
- HIST 3326** The Venture of Islam
- HIST 3378/9** Problems in African History
- HIST 3382** Orient and Occident (SMU Summer-in-Paris)
- HIST 3386** History of the Caribbean
- HIST 3389** Problems in Middle Eastern History
- HIST 3390** The Modern Middle East: From the Ottoman Empire to OPEC
- HIST 4364** History of South Africa: Background to Conflict
- PLSC 3345** Government and Politics of the Middle East
- PLSC 3347** Government and Politics of Africa

#### **Group II: Humanities and Arts**

- ARHS 3306** Mummies, Myths, and Monuments of Ancient Egypt: Art and Expression of Eternal Egypt
- ARHS 3392** Islamic Art and Architecture: The Creation of a New Art
- ARHS 3328** Byzantine Art
- ARHS 3390** Traditional Arts of Africa
- FL 3349/HIST 3392** The African Diaspora: Literature and History of Black Liberation
- RELI 3329** Introduction to Islam
- RELI 3372** Biblical Interpretation and the State of Israel

### **MARKETS AND CULTURE**

**Professor** Linda Brewster Stearns, **Director**

The B.A. in Markets and Culture provides students the opportunity to learn about the world's market places from an interdisciplinary study in the social sciences and the humanities. Students will explore the economic principles of markets, the values and history of commerce, and the motives and myths that move people. By choosing from courses in a wide range of disciplines, including sociology, economics, anthropology, political science, history, psychology, literature, and foreign languages, students will gain an understanding of the multiple institutions and cultures that shape the world's markets.

**Requirements for the B.A. Degree.** The Markets and Culture major requires 36 total hours, consisting of 24 hours of core classes and 12 hours of electives. The core classes provide the student with the appropriate tools to understand the social basis of economic behavior as well as basic business concepts and practices. A grade of C- or better must be earned in all courses fulfilling the major requirements, and Markets and Culture majors must attain a minimum G.P.A. of 2.00 among all courses attempted for the major.

A co-curricular requirement for a degree in Markets and Culture is one year of college-level study of a foreign language or equivalent. Majors are strongly encouraged to take advantage of opportunities for study abroad and internships to broaden their classroom experience.

### Core Courses

**SOCI 2377** Markets and Culture

**SOCI 3377** Organizations and Their Environment. *Prerequisite:* SOCI 2377.

**SOCI 4377** Contemporary Markets and Culture *Prerequisites:* SOCI 2377 and SOCI 3377.

**ECO 3355** Money and Banking *Prerequisites:* ECO 1311 and ECO 1312.

**CSE 2337** Introduction to Data Management (ITOM 2308 Information Systems for Management may substitute.) *Prerequisite:* EMIS 1305, *Prerequisite or Corequisite:* SOCI 2377.

**ACCT 2310** Accounting for Markets and Culture (ACCT 2311 Fundamentals of Accounting I may substitute.) *Prerequisite or Corequisite:* SOCI 2377.

**ENGL 2302** Business Writing *Prerequisite:* SOCI 2377.

**STAT 2301** Statistics for Modern Business Decisions (STAT 2331 Introduction to Statistical Methods or ITOM 2305 Managerial Statistics may substitute.)

### Elective Courses

(12 advanced hours required. Courses must be selected from at least three departments with no more than 6 hours in any one area.)

**ADV 3354** International Advertising (SMU-in-London)

**ANTH 3305** The “Other” in America: Popular Perceptions and Government Policy Through Time

**ANTH 3310** Gender and Sex Roles: A Global Perspective

**ANTH 3311** Mexico: From Conquest to Cancun

**ANTH 3314** Peoples of Africa

**ANTH 3316** Cultures of the Pacific Islands

**ANTH 3317** Peoples of Southeast Asia

**ANTH 3327** Culture Change and Globalization: Social Science Perspectives

**ANTH 3333** The Immigrant Experience

**ANTH 3336** Gender and Globalization: Cultural and Ethical Issues

**ANTH 3344** Cultural Aspects of Business

**ANTH 3346** Culture and Diversity in American Life

**ANTH 3350** Good Eats and Forbidden Flesh: Culture, Food, and the Global Grocery Market  
*Prerequisites:* Advanced standing and ANTH 2301, or permission of instructor.

**ANTH 3354** Latin America: People, Places, and Power

**ANTH 3355** Society and Culture in Contemporary Europe

**ANTH 3358** Indians of the Southwest from the 16th Century to the Present

**ANTH 3361** Language in Culture and Society

**ANTH 3366** Magic, Myth, and Religion Across Cultures

**ANTH 3368** Urban Life: A Cross-Cultural Perspective

**ANTH 3374** Cultures and Environments of the Southwest

- ANTH 4303** Political Economy of Health *Prerequisites:* ANTH 2301, ANTH 3301, or permission of instructor.
- ANTH 4304** Migration and Ethnicity *Prerequisites:* Eighteen hours of anthropology or permission of instructor.
- ANTH 4305** Applied Anthropology *Prerequisites:* Advanced standing and ANTH 2301, or permission of instructor.
- ANTH 4344** Global Population Processes: Anthropological Perspectives *Prerequisites:* Eighteen hours of anthropology or permission of instructor.
- ANTH 4384** Global Issues and Development: An Overview *Prerequisites:* Advanced standing and ANTH 2301, or permission of instructor.
- BA 3300** Business in Europe (SMU-in-Paris)
- BA 3300** European Business Environment: The EU (SMU-in-Copenhagen)
- BA 3300** Management and Ethics in a Cross-Cultural Context (SMU-in-Spain)
- BA 3300** Special Topics: Japanese Business (SMU-in-Japan)
- BA 3301** Economies in Transition: Doing Business with Russia and Eastern Europe (SMU-in-Copenhagen)
- BA 4315** EU Seminar (SMU-in-Copenhagen)
- CCPA 3321** International Public Relations (SMU-in-London)
- CHIN 3311** Advanced Chinese *Prerequisites:* CHIN 1401, 1402, 2401, and 2402.
- CHIN 3312** Advanced Chinese *Prerequisite:* CHIN 3311.
- CHIN 4411** China in the 1990s (SMU-in-Beijing)
- CHIN 4412** Chinese Literature and Culture (SMU-in-Beijing)
- ECO 3301** Price Theory (Intermediate Microeconomics) *Prerequisites:* ECO 1311 and 1312.
- ECO 3302** National Income and Employment (Intermediate Macroeconomics) *Prerequisites:* ECO 1311 and 1312. *Corequisite:* ECO 3301.
- ECO 3321** International Economic Policy *Prerequisites:* ECO 1311 and 1312.
- ECO 4351** Labor Economics *Prerequisite:* ECO 3301.
- ECO 4357** International Trade *Prerequisite:* ECO 3301.
- ECO 4358** International Macroeconomic Theory and Policy *Prerequisites:* ECO 3301 and 3302.
- ECO 4366** Economics of the Public Sector *Prerequisite:* ECO 3301.
- ECO 4368** Foundations of Financial Economics *Prerequisites:* ECO 3301, 3355, ACCT 2311, and STAT 2301 or ITOM 2305 (cannot be taken if student has taken FINA 3320).
- ECO 5360** Economic Development *Prerequisites:* ECO 3301 and 3302, or permission of instructor.
- ENGL 3354** Non-Western Culture and Literature (20th-century, Third World texts)
- ENGL 3363** Chicana/Chicano Literature
- ENGL 3365** Jewish American Literature and Culture
- FINA 4329** International Finance in a European Context (SMU-in-Copenhagen)
- FL 3303** Spanish Civilization (SMU-in-Spain)
- FL 3312** Women in Modern China
- FL 3322** Japanese Literature in Translation (SMU-in-Japan)
- FL 3325** Perspectives on Modern China
- FL 3361** Special Topics: French Literature in Translation (SMU-in-Paris)
- FL 3369** Perspectives on Modern Germany *Prerequisites:* Sophomore standing or permission of instructor.
- FL 3390** Italian Cinema
- FL 3391** Special Topics: Italian Literature in Translation
- FL 3392** Special Topics: Italian Literature in Translation
- FREN 3356** Advanced French II *Prerequisite:* FREN 3455.
- FREN 3455** Advanced French I *Prerequisite:* FREN 2401.

- FREN 4365** Introduction to French Cinema *Prerequisites:* FREN 3356 and 4370, or permission of instructor and chair.
- FREN 4375** Introduction to French History and Culture *Prerequisites:* FREN 3455, 3356, and 4370.
- FREN 4376** Introduction to Francophone Cultures *Prerequisites:* FREN 3455, 3356, and 4370.
- FREN 4391** Commercial French for International Trade *Prerequisites:* FREN 3455 and 3356.
- GERM 3311** Talking and Writing about Modern Germany *Prerequisite:* GERM 2312 or equivalent.
- GERM 3313** German Today: People, Culture, Society *Prerequisite:* GERM 3311 or permission of instructor.
- GERM 4350** History, Culture, and Identity in Post-War German Film *Prerequisite:* GERM 3320.
- HIST 3303** Modern England, 1867 to the Present
- HIST 3324** The Mexican Americans, 1848 to the Present
- HIST 3326** The Venture of Islam
- HIST 3327** Economic History of the United States
- HIST 3328** Economic History of Europe: 1000 A.D. to the Present
- HIST 3330** Women in Modern European History
- HIST 3337** Ethical Dilemmas in a Global Age
- HIST 3341** Soviet/Post-Soviet Society and Politics 1917 to Present
- HIST 3343** Twentieth-Century European History (SMU-in-Copenhagen)
- HIST 3349** Images of Power (SMU-in-Paris)
- HIST 3364** Consumer Culture in the United States, 1770-1990
- HIST 3365** Problems in European History: The Making of Modern Europe (SMU-in-Spain)
- HIST 3374** Diplomacy in Europe: Napoleon to the European Union
- HIST 3376** Social and Intellectual History of Europe
- HIST 3380** Problems in Ibero-American History: Latin American History (SMU-in-Spain)
- HIST 3382** History of Mexico
- HIST 3386** History of the Caribbean
- HIST 3387** Asia and the West
- HIST 3390** The Modern Middle East: From the Ottoman Empire to OPEC
- HIST 3393** China in Revolution
- HIST 3395** Problems in Asian History
- HIST 3396** Middle Eastern Economic History
- HIST 3397** Modernity and Crises of Identity
- HIST 3398** Women in Chinese History
- HIST 4314** The Jews in Europe (SMU-in-Copenhagen)
- HIST 4365** Australian Society (SMU-in-Australia)
- HIST 4369** History of Modern Germany
- HIST 4381** History of Spain, 1469 to Present
- HIST 5390** Seminar in Russian History *Prerequisites:* HIST 3340 or 3341, or permission of instructor.
- HIST 5392** Seminar in European History *Prerequisite:* Junior standing or permission of instructor.
- ITAL 3373** Italian Culture *Prerequisite:* ITAL 2401.
- JAPN 3311** Advanced Japanese
- JAPN 3312** Advanced Japanese *Prerequisite:* C- or better in JAPN 3311 or permission of area chair.
- JAPN 3501** Japanese Level 2 (SMU-in-Japan)
- JAPN 4381** Readings in Japanese Culture and Business *Prerequisite:* JAPN 3312 or permission of area chair.
- JAPN 4501** Japanese Level 3 (SMU-in-Japan)

- MNO 3300** Environmental Business Strategy (SMU-in-Copenhagen)  
**MNO 3301** Global Business Strategy (SMU-in-Copenhagen)  
**PHIL 3352** History of Western Philosophy (Modern)  
**PLSC 3340** Western European Politics  
**PLSC 3341** Politics of Participation and Representation in Western Democracies  
**PLSC 3345** Governments and Politics of the Middle East  
**PLSC 3346** Governments and Politics of Japan  
**PLSC 3347** Governments and Politics of Africa  
**PLSC 3348** Governments and Politics of Latin America  
**PLSC 3349** Politics of Major Latin American Countries  
**PLSC 3351** Russia: Superpower in Crisis (SMU-in-Copenhagen)  
**PLSC 3358** Government and Politics of Russia  
**PLSC 3359** From Communism to Democracy  
**PLSC 3365** Communism and Post-Communism  
**PLSC 3381** Current Issues in International Politics (SMU-in-Oxford)  
**PLSC 3382** International Organizations: Global and Regional  
**PLSC 3389** International Political Economy  
**PLSC 3390** Negotiating International Trade  
**PLSC 4340** Special Studies in Comparative Government and Politics  
**PLSC 4353** Governments and Politics of East Asia  
**PLSC 4354** The Third World and North-South Relations  
**PLSC 4355** Comparative Political Economy of Industrialized Democracies  
**PLSC 4356** Latin American Political Economy  
**PLSC 4358** Soviet Politics: Revolution to Revolution  
**PLSC 4380** Special Studies in International Relations  
**PLSC 4386** Issues of U.S.- East Asia Relations  
**PLSC 4388** Seminar: International and Government Politics  
**PLSC 4391** NAFTA and Free Trade in the Americas  
**PLSC 4394** Modern History of China (SMU-in-Taipei)  
**PLSC 5341** European Politics: The European Union (SMU-in-Copenhagen)  
**PLSC 5383** European Conflict and Security Issues (SMU-in-Copenhagen)  
**PSYC 3341** Social Psychology  
**PSYC 5343** Organizational Psychology *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.  
**RELI 3329** Introduction to Islam  
**RELI 3365** Understanding the Self: East and West  
**RELI 3366** Magic, Myth, and Religion Across Cultures  
**RELI 3378** Religions of China  
**RELI 3382** Mysticism, East and West  
**SOCI 3305** Race and Ethnicity in the United States  
**SOCI 3311** Qualitative Research Methods *Prerequisite:* SOCI 2300 or 2310.  
**SOCI 3312** Survey Research Methods and Data Analysis *Prerequisite:* SOCI 2300 or 2310.  
**SOCI 3340** Global Society  
**SOCI 3345** Media Ethics and Gender  
**SOCI 3360** Law and Society  
**SOCI 3370** Minority-Dominant Relations  
**SOCI 3371** Sociology of Gender  
**SOCI 3372** Chicanos in the Southwest  
**SOCI 3383** Race, Culture, and Social Policy in the Southwest  
**SOCI 4321** Immigration and Population Issues *Prerequisites:* Either SOCI 2300 or SOCI 2310, and either SOCI 3311 or 3312.

**SOCI 4335** Social Movements and Collective Behavior *Prerequisites:* Either SOCI 2300 or SOCI 2310, and either SOCI 3311 or 3312.

**SOCI 4340** Sociology of Culture *Prerequisites:* Either SOCI 2300 or SOCI 2310, and either SOCI 3311 or 3312.

**SOCI 4353** Political Sociology *Prerequisites:* Either SOCI 2300 or SOCI 2310, and either SOCI 3311 or 3312.

**SOCI 4379** Markets and Culture Internship *Prerequisites:* SOCI 2377 and 3377, and permission of program director.

**SPAN 3311** Conversation and Composition: Peninsular Culture *Prerequisite:* C- or better in SPAN 2401 or equivalent.

**SPAN 3312** Conversation and Composition: Mexican Culture *Prerequisite:* C- or better in SPAN 2401 or equivalent.

**SPAN 3313** Conversation and Composition: Latin American Culture *Prerequisite:* C- or better in SPAN 2401 or equivalent.

**SPAN 3355** Spanish Conversation *Prerequisite:* C- or better in SPAN 2401 or equivalent.

**SPAN 3358** Advanced Grammar *Prerequisite:* C- or better in SPAN 2401 or equivalent.

**SPAN 3373** Spanish Civilization (SMU-in-Spain) *Prerequisite:* One 3000-level Spanish course.

**SPAN 3374** Spanish American Civilization (SMU-in-Xalapa, Mexico) *Prerequisite:* C- or better in one 3000-level Spanish course.

**SPAN 4391** Commercial Spanish for International Trade *Prerequisites:* C- or better in SPAN 3358 and one of the following: SPAN 3311, 3312, 3313, 3355; or permission of instructor.

**SPAN 4395** Introduction to Hispanic Literature *Prerequisite:* C- or better in SPAN 3358, or departmental permission.

## MATHEMATICS

**Professor** Peter Moore, **Department Chair**

**Professors:** John Chen, Ian Gladwell, Richard Haberman, George Reddien, Douglas Reinelt, Lawrence Shampine, Richard Williams; **Associate Professors:** Thomas Carr, Robert Davis, Mogens Melander, Montie Monzingo; Johannes Tausch; **Assistant Professors:** Vladimir Ajaev, Bruce Ayati, Yeo-Jin Chung, Takashi Nishikawa, Yunkai Zhou; **Lecturers:** Judy Newell, Carol Seets.

**Requirements for the Bachelor of Science Degree With a Major in Mathematics.** The B.S. degree in mathematics reflects contemporary trends in mathematics by incorporating computer science, mathematical and computational modeling, natural science, and statistics courses. This degree is particularly appropriate for students who wish to proceed toward careers in industry concentrating on analytical problem solving, or toward graduate schools in any mathematical science area. Computer science, economics, electrical engineering, mechanical engineering, management science, physics, and chemistry provide attractive opportunities as areas for a double major with mathematics. With a minimum of 21 approved advanced hours in the major, the following courses are required:

	<i>Term Hours</i>
<i>Fundamental Mathematics:</i> MATH 1337, 1338, 2339, 2343	12
<i>Natural Science:</i> Choose two from PHYS 1303, 1304; CHEM 1303, 1304; BIOL 1401, 1402; GEOL 1301	6
<i>Computer Science:</i> CSE 1340 or 1341	3
<i>Statistics:</i> STAT 4340/CSE 4340/EMIS 4340 (Student may substitute STAT 5340/EMIS 5370)	3
<i>Advanced Mathematics Elective:</i> MATH 3000+ course	3
<i>Specialization in one of the following five areas:</i>	15

In each specialization, five courses must be taken with a minimum of two courses at the 4000+ level, including at least one MATH 4000+ course.

I. *Applied and/or Numerical Mathematics*

MATH 3315/CSE 3365 (mandatory)

Four from MATH 3334, 3337, 3353, 5315, 5316, 5331, 5332, 5334, 5353, EMIS 3360

II. *Computer Science and Computer Engineering*

MATH 3315/CSE 3365 (mandatory), CSE 4381 (mandatory)

Three from MATH 3353, 5315, 5316, 5332

III. *Engineering*

MATH 3315/CSE 3365 (mandatory), MATH 3337 (mandatory)

One from Group I: MATH 5315, 5331, 5332, 5334

*Electrical Engineering*

Two from Group II: EE 3322, 3330, 3372, 5330, 5332, 5360, 5362, 5372

*Mechanical Engineering*

Two from Group II: ME 4360, 5302, 5320, 5322, 5336/MATH 6336

IV. *Operations Research*

MATH 3315/CSE 3365 (mandatory) EMIS 3360 (mandatory)

Two from Group I: MATH 3353, 5315, 5316, 5332, 5353

One from Group II: EMIS 5361, 5362, 5369, STAT 5344/EMIS 5364

V. *Pure Mathematics*

Five from MATH 3308, 3337, 3353, 4338, 4351, 4355, 4381, 5331, 5332, 5353

**Requirements for the Bachelor of Arts Degree With a Major in Mathematics.**

The B.A. degree in Mathematics is designed for students who need a traditional mathematics degree leading to careers in teaching, industry, business, and government. It is particularly attractive when combined with liberal arts, social science, or business administration as a double major. The requirements are the same as for the Bachelor of Science degree except that there is no natural science requirement. In exceptional circumstances, the Department of Mathematics may choose to waive one course (three term-credit hours) in mathematics.

MATH 6000-level courses may also be taken for either major by students who have fulfilled the prerequisites and have departmental permission.

NOTE: All mathematics majors, either B.S. or B.A., must receive a grade of at least C- in all courses taken in fulfillment of the requirements for the mathematics major.

**Requirements for the Mathematics Minor.** MATH 1337, 1338, 2339, and nine hours selected from mathematics courses at the advanced (3000+) level. MATH 2343 (Elementary Differential Equations) may replace an advanced-level mathematics course. All courses in the minor must be passed with a grade of C- or higher.

**For All Undergraduates:** After a student matriculates to SMU, transfer credit for MATH 1307, 1309, or MATH 1337 will not be approved.

**The Courses (MATH)**

**1303. Precalculus for Business.** Inequalities, absolute value, graphs, functions, basic analytic geometry, polynomials, logarithms, exponentials, linear equations, and mathematics of finance. *Prerequisite:* High school algebra. No credit given if taken after any calculus course. Credit not given for both 1303 and 1304. Intended for students planning to take MATH 1309.

**1304. Precalculus Mathematics.** Graphs, functions, basic analytic geometry, exponentials, logarithms, trigonometry, inverse functions. *Prerequisites:* High school algebra and trigonometry. No credit given if taken after any calculus course. Credit not given for both MATH 1303 and 1304. Intended for students planning to take MATH 1337.

**1307. Introduction to Mathematical Sciences.** Permutations and combinations, probability, Markov chains, linear programming, elementary statistics, and mathematics of finance. *Prerequisite:* High school algebra.

**1309. Introduction to Calculus for Business and Social Science.** Derivatives and integrals of algebraic, logarithmic, and exponential functions with applications to the time value of money, curve sketching, maximum-minimum problems, and computation of areas. Applications to business and economics. (Natural science and engineering students must take MATH 1337. Credit not allowed for both MATH 1309 and 1337.) *Prerequisite:* Placement out of MATH 1303 or a grade of C– or higher in MATH 1303.

**1337. Calculus with Analytic Geometry I.** Differential and integral calculus for algebraic, trigonometric functions, and transcendental functions, with applications to curve sketching, velocity, maximum-minimum problems, areas, and volumes. (Credit not allowed for both MATH 1309 and 1337.) *Prerequisite:* Placement out of MATH 1304 or a grade of C– or higher in MATH 1304.

**1338. Calculus with Analytic Geometry II.** A continuation of MATH 1337 through differential and integral calculus, techniques of integration, improper integrals, and infinite sequences and series, including Taylor series. *Prerequisite:* A grade of C– or higher in MATH 1337 (or MATH 1309 and departmental permission).

**2339. Calculus with Analytic Geometry III.** A continuation of MATH 1338 including parametric equations, polar coordinates, partial differentiation, multiple integrals, and vector analysis. *Prerequisite:* A grade of C– or higher in MATH 1338.

**2343. Elementary Differential Equations.** First order equations, linear equations, Laplace transforms, power series solutions, and applications. *Prerequisite:* A grade of C– or higher in MATH 1338.

**3308. Introduction to Discrete Mathematics.** An introduction to logic, set theory, graph theory, recurrence relations, and combinatorics. Mathematical foundations and applications of these subjects are presented. (Credit not allowed for both CSE 2353 and MATH 3308.) *Prerequisite:* A grade of C– or higher in MATH 1338.

**3315 (CSE 3365). Introduction to Scientific Computing.** An elementary survey course that includes techniques for root-finding, interpolation, functional approximation, linear equations, and numerical integration. Special attention is given to FORTRAN or C programming, algorithm implementations, and library codes. *Prerequisites:* CSE 1340 or 1341; and a grade of C– or higher in MATH 1338. Students registering for this course must also register for an associated computer laboratory.

**3334. An Introduction to Applied Mathematics.** Formulation, solution, and interpretation of mathematical models used in populations dynamics and traffic flow. Equilibrium, stability, and phase-plane analysis of nonlinear ordinary differential equations from ecology. Method of characteristics for nonlinear partial differential equations of traffic flow yielding density waves and shocks. *Prerequisite:* A grade of C– or higher in MATH 2343.

**3337. Advanced Mathematics for Science and Engineering.** Elements of vector integral calculus, Fourier series, and boundary-value problems in partial differential equations. (No credit given if taken after MATH 5334.) *Prerequisites:* Grades of C– or higher in MATH 2343 and 2339.

**3353. Introduction to Linear Algebra.** Matrices and linear equations, Gaussian elimination, determinants, rank, geometrical notions, eigenvalue problems, and coordinate transformations, norms, inner products, orthogonal projections, Gram-Schmidt and least squares. (No credit given if taken after MATH 5353.) *Prerequisite:* A grade of C– or higher in MATH 1338.

**4300. Independent Study in Math.** Independent study of a selected topic in mathematics. *Prerequisite:* By arrangement with faculty sponsor and with departmental approval.

**4335. Mathematical Biology.** Introduction of mathematical models of biological systems. Population dynamics, infectious diseases, population genetics, molecular and cellular biology. *Prerequisites:* MATH 2343 and MATH 3353.

**4338. Analysis.** Sequences and series of real numbers and functions, properties of continuous

functions, differentiation and integration with some attention paid to higher dimensions. *Prerequisite:* MATH 2339.

**4351. Theory of Numbers.** Classical number theory, including divisibility, congruencies, quadratic reciprocity, Diophantine equations, and number theoretic functions. *Prerequisite:* MATH 3308 or 3353.

**4355. Groups and Rings.** Basic properties of groups, rings and fields, homomorphisms, normal subgroups, integral domains, ideals, algebraic extension fields, geometric constructions. *Prerequisite:* MATH 3308 or 3353.

**4381. Introduction to General Topology.** Elementary topology of the line and plane, metric spaces, and general topological spaces: continuity of mappings, connectedness, compactness, completeness, and fixed-point theorems. *Prerequisite:* Math 3353.

**5315 Introduction to Numerical Analysis.** Numerical solution of linear and nonlinear equations, interpolation and approximation of functions, numerical integration, floating point arithmetic, and the numerical solution of initial value problems in ordinary differential equations. Student use of the computer is emphasized. *Prerequisites:* MATH 3315/CSE 3365 and MATH 2343; a programming course (e.g., C, FORTRAN, or MATLAB).

**5316. Numerical Linear Algebra.** The efficient solution of linear systems by both direct and iterative methods and least-squares problems by direct methods. Elementary and orthogonal matrix transformations provide a unified treatment of direct methods. Stationary and conjugate direction methods for efficiently solving sparse linear systems. *Prerequisites:* A programming course (e.g., C, FORTRAN, or MATLAB); MATH 3353; and MATH 3315/CSE 3365 or MATH 5315.

**5331. Functions of a Complex Variable.** Complex numbers, analytic functions, mapping by elementary functions, complex integration. Cauchy-Goursat theorem, Cauchy integral formulas. Taylor and Laurent series, residues, evaluation of improper integrals. Applications of conformal mapping and analytic functions. *Prerequisite:* MATH 3337.

**5332. Wavelet Transforms.** A mathematical introduction to sampling, data compression, multiresolution analysis, Fourier analysis and wavelet theory, including biorthogonal wavelets and spline wavelets. *Prerequisites:* MATH 3337, 3353, and 3315/CSE 3365.

**5334. Introduction to Partial Differential Equations.** Elementary partial differential equations of applied mathematics: heat, wave, and Laplace's equations. Topics include physical derivations, separation of variables, Fourier series, Sturm-Liouville eigenvalue problems, Bessel functions, Fourier transforms. *Prerequisite:* MATH 3337.

**5353. Linear Algebra.** Spectral theory of Hermitian matrices, Jordan normal form, Perron-Frobenius theory, convexity. Applications include image compression, Internet page rank methods, optimization, linear programming. *Prerequisite:* MATH 3353.

## MEDIEVAL STUDIES

Associate Professor Bonnie Wheeler, Director

Ranging from the 4th century A.D. to 1485, from Celtic Britain to Visigothic and Islamic Spain, Byzantium to Persia and the Caliphate, from script to print, from feast to fast, from fine arts to liberal arts, from Augustine to Saladin and beyond; this program offers an intense and condensed liberal education. Studies reveal how the historical shapes, institutional structures, literary visions, and artistic forms that emerged from the Middle Ages have colored our concepts of God, society, self, love, individualism, and success.

The Medieval Studies Program affords the student an opportunity for a "classically" liberal education within a broad subset of "Western" (Celtic, Franconic, Italic, Germanic, Visigothic) and "non-Western" (Byzantine, Islamic, Persian) contexts. It is appropriate for preprofessional training in multiple fields, ranging from business to religious studies and from biology to music theory and foreign languages and literatures. It can also lead to graduate work in medieval studies or (more usually) in such disciplines as literature, history, and art/music history.

**The Dallas Medieval Consortium** makes it possible for students at SMU, the University of Dallas, and the University of Texas-Dallas to enroll in selected medieval studies courses on the other campuses. Through the Consortium, SMU students can elect no more than a total of 15 hours in medieval subject courses at any other Consortium university.

**Requirements for the B.A. Degree.** Medieval Studies is an interdisciplinary major of 30 hours in medieval subjects, and Latin language and literature, distributed over at least three broad subject areas in medieval studies: 1) history, 2) literature, and 3) music and visual arts (art/music history), with no less than six hours in each area. Latin language and literature courses after the second year may, with the approval of the director, count toward hours for the Medieval Studies major. Students are encouraged to take courses in philosophy, religious studies, and church history, as they are available. Individual student programs are approved by the Director of Medieval Studies and a committee of two other members of the SMU Medieval Studies faculty.

**Requirements for the Minor.** A student must complete 15 hours from the courses listed, including at least three interdisciplinary and nine advanced hours. No more than six hours at the introductory (1000 or 2000) level may be counted; some of the MDVL and CF (Cultural Formations) courses listed below are also interdisciplinary. Other courses may satisfy the interdisciplinary component. Individual student programs are approved by the Director of Medieval Studies.

As a model, the following is a typical Medieval Studies major sequence for SMU students:

**Sophomore year**

**Fall term:**

**MDVL 3351 (CF 3351)** The Pilgrimage: Images of Medieval Culture

**LATN 1401** Beginning Latin

**Spring term:**

**ENGL 3320** Topics in Medieval Literature

**LATN 1402** Beginning Latin

**Junior year**

**Fall term:**

**ARHS 3320** Medieval Art\*

**LATN 2311** Second-Year Latin

**HIST 3350** Life in the Medieval World, A.D. 306-1095\*

**Spring term:**

**MDVL 3329 (ENGL 3329, CF 3302)** The World of King Arthur\*

**HIST 3351** Life in the Medieval World, A.D. 1095-1350\*

**LATN 2312** Second-Year Latin

**Senior year**

**Fall term:**

**HIST 4325** Islam to A.D. 1453\*

**ARHS 3392** Islamic Art and Architecture: The Creation of a New Art \*

**LATN 3324** Advanced Latin Grammar and Composition\*

**Spring term:**

**ARHS 3325** Art of the Crusades\*

**ENGL 4323** Chaucer

**HIST 3352** The Age of the Crusades\*

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\* Credit toward Medieval Studies major.

Many courses are offered each year; with few exceptions, the remainder are available at least every other year. Consult with the director about offerings and frequency.

### Medieval Studies

- ARHS 3320** Medieval Art
- ARHS 3321** Age of the Crusades
- ARHS 3322** Art and the Italian Commune
- ARHS 3323** Romanesque Art and Architecture
- ARHS 3324** Art and Cultures of Medieval Spain
- ARHS 3325** The Gothic Cathedral
- ARHS 3328** Byzantine Art
- ARHS 3329** Paris Art and Architecture I (SMU-in-Paris)
- ARHS 3392 (CFA 3313)** Islamic Art and Architecture: The Creation of a New Art
- ARHS 3399** Medieval Jewish-Christian Dialogue in Art & Text
- ARHS 4320** Seminar in Medieval Art
- ARHS 4321** World and Image in the Early Middle Ages
- ENGL 1320** Chivalry
- ENGL 3320** Topics in Medieval Literature
- ENGL 3371 (HIST 3357, CF 3363)** Joan of Arc in History, Literature, and Film
- ENGL 3389** Directed Studies
- ENGL 4320** Medieval Writers
- ENGL 4323** Chaucer
- FL 3365** Special Topics: French Literature in Translation (When applicable)
- FL 3366** Special Topics: French Literature in Translation (When applicable)
- FL 3393** Dante's Poetic Vision
- FL 3391** Special Topics: Italian Literature in Translation (When applicable)
- FL 3392** Special Topics: Italian Literature in Translation (When applicable)
- FREN 5320** Literary Periods (When applicable)
- FREN 5321** Literary Periods (When applicable)
- FREN 5334** Genre Studies (When applicable)
- FREN 5335** Genre Studies (When applicable)
- HIST 2321** Philosophical and Religious Thought in the Medieval West
- HIST 3332** Ancient and Medieval France
- HIST 3344 (CF 3394)** The Oxford Landscape: From the Stone Age to the Tudors (SMU-in-Oxford)
- HIST 3345** England in Medieval and Early Modern Times (SMU-in-Oxford)
- HIST 3350** Life in the Medieval World, A.D. 306-1095
- HIST 3351** Life in the Medieval World, A.D. 1095-1350
- HIST 3352** Age of the Crusades
- HIST 3357 (ENGL 3371, CF 3363)** Joan of Arc: History, Literature, and Film
- HIST 4320** Medieval Europe I
- HIST 4321** Medieval Europe II
- HIST 4322** Constitutional and Legal History of Medieval England
- HIST 4323** History of Ireland
- HIST 4324** Medieval Spirituality
- HIST 4325** Islam to A.D. 1453
- HIST 4326** Anglo-Saxon England to A.D. 1160
- HIST 4380** History of Spain to 1492
- HIST 4384** Early and Medieval England from the Beginning to 1485
- HIST 5364** The City of God: Utopias in The Christian Tradition
- HIST 5378** Medieval Renaissances

**HIST 5392** Seminar in European History Autobiographical Tradition  
**LATN 3324** Advanced Latin Grammar and Composition  
**LATN 3335** Medieval Latin  
**MDVL 3321 (CF 3321)** The Birth of the Individual  
**MDVL 3323** Tales of Wales  
**MDVL 3327** The Unicorn: Understanding Varieties of the Truth in the Middle Ages  
**MDVL 3329 (ENGL 3329, CF 3302)** The World of King Arthur  
**MDVL 3351 (CF 3351)** The Pilgrimage: Images of Medieval Culture  
**MDVL 3352 (CF 3352)** Ideas and Ideals of Gender in the Middle Ages  
**MDVL 3353 (CF 3353)** Medieval Ideas  
**MDVL 3398** Directed Studies  
**MDVL 3399** Directed Studies  
**MDVL 4371** Special Topics  
**MDVL 5301** Independent Studies  
**MDVL 5302** Independent Studies  
**MDVL 5398** Independent Studies  
**MDVL 5399** Independent Studies  
**MUHI 3253** Survey of Medieval and Renaissance Music  
**MUHI 4392** Directed Studies in Music History: The Middle Ages  
**MUHI 5339** Seminar in Medieval Music  
**MUHI 6309** Seminar in Medieval and Renaissance Sources and Styles  
**PERE 3075** Collegium Musicum  
**PERE 3175** Collegium Musicum  
**PHIL 3351** History of Western Philosophy (Ancient)  
**PLSC 4361** Political Regimes: Understandings of Rome  
**PLSC 4362** Medieval Political Philosophy  
**RELI 3326** Introduction to the New Testament  
**RELI 3349** Early Christianity  
**SPAN 5310** Spanish Literature Before 1700

#### The Courses (MDVL)

**3321. The Birth of the Individual.** Examines several basic notions pertaining to selfhood, including consciousness, cognition, motivation, personal identity and decision, as found in medieval texts.

**3323. 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..

**3327. The Unicorn: Understanding Varieties of the Truth in the Middle Ages.** Investigates the question of how history and fiction were perceived in the Middle Ages.

**3329. The World of King Arthur.** Investigates Britain's greatest native hero and one of the world's most compelling story stocks: the legend of King Arthur and the Round Table, and the early Arthurian materials and the later romance, epic, and artistic traditions.

**3351. The Pilgrimage: Images of Medieval Culture.** An exploration of the medieval world through one of its own literal and metaphorical images, moving from Jerusalem to the empire of New Rome, to Rome itself and across Europe on the pilgrimage roads of the Middle Ages.

**3352. Ideas and Ideals of Gender in the Middle Ages.** Focuses on the status of women in the Middle Ages and the impact of ideas regarding the feminine on the development of (mostly) Western thought.

**3353. Medieval Ideas.** Presents some of the classic achievements of the medieval mind. While the main focus will be on Medieval Europe and the adjacent Muslim works, wherever possible, students' attention will be drawn to developments in other culture areas.

**3398, 3399. Directed Study.**

## NATURAL SCIENCES

Professor Christine Buchanan, Director

A minor in the Natural Sciences offers students a systematic exposure to biology and chemistry. It is particularly suitable for Engineering majors who are interested in medicine, dentistry, or other biomedical careers. This interdisciplinary minor may not be selected by students majoring or minoring in the Biological Sciences, Biochemistry, or Chemistry. Each advanced course must be taken in residence.

### Required Courses

**BIOL 1401, 1402** Introductory Biology

**BIOL 3350** Cell Biology

**CHEM 1301, 1113, 1304, 1114** General Chemistry

**CHEM 3371, 3117, 3372, 3118** Organic Chemistry

**Select one of the following:**

**BIOL 3306** Physiology (note that **BIOL 3350** is a prerequisite) or **BIOL 3304** Genetics.

## PHILOSOPHY

Professor Doug Ehring, Department Chair

**Associate Professors:** Eric Barnes, Steven Sverdlik; **Assistant Professors:** Roberta Ballarin, Robert Howell, Brad Thompson; **Lecturers:** Matthew Burstein, Andrew Johnson, Clayton Littlejohn; **Adjunct Professors:** Stephen Anderson, Scott Bartlett, Stephen Hiltz, Jean Kazez, James Lamb; **Adjunct Associate Professor Emeritus:** Benjamin Petty.

**Requirements for the B.A. Degree.** At least 30 term hours in the department, including at least 21 term hours of advanced work (courses 3000 and above). The 30 hours must include PHIL 1301, 3351, 3352, and at least one course from 3310-3319. At least 12 hours of a foreign language are strongly recommended.

**The Departmental Distinction Program.** Departmental distinction is awarded to philosophy majors graduating with at least a 3.50 G.P.A. in philosophy and who successfully complete a writing project under the guidance of a faculty member.

**Requirements for the Minor in Philosophy.** Students majoring in other departments may obtain a minor in philosophy. The minor will consist of 15 hours of work in the department. No more than six hours may be from 1000-level courses, and at least one course (three hours) must be chosen from the History of Philosophy sequence (3351, 3352, or 3370). It is *recommended* that each student minoring in Philosophy take *one* of the department's general introductory courses.

**Requirements for the Minor in Ethics.** Students majoring in departments other than the Philosophy Department may obtain a minor in Ethics. The minor consists of at least 15 hours, which must include the following philosophy courses: 1) PHIL 1305 or 1306 (Introduction to Philosophy); 2) one of PHIL 1316 (Introduction to Ethics), 1317 (Business Ethics), or 1318 (Contemporary Moral Problems); and 3) three from the sequence of PHIL 3371 through 3381.

### The Courses (PHIL)

**1300. An Introduction to Practical Reasoning.** Learning to analyze, evaluate, and present information in order to better assess one's own beliefs and to persuade others more effectively.

**1301. Elementary Logic.** An introductory course in symbolic logic. Logic provides a means for determining whether the purported conclusion of an argument really does follow from the premises. In symbolic logic, mechanical procedures are developed for determining whether a given argument is valid. The techniques and skills acquired through logic have important applications not only within other academic areas such as the sciences and humanities, but may be of use within various professional areas, including law.

**1305. Introduction to Philosophy.** A general introduction to the central questions of philosophy. We will discuss topics from such areas as the theory of knowledge, philosophy of religion,

metaphysics, philosophy of mind, ethics, and political philosophy. Typical questions might include: Can we know the world outside our minds? Is it rational to believe in a God who allows evil to exist? Do the laws of physics allow for human freedom? Is morality more than a matter of opinion? Can there be unequal wealth in a just society? Readings will include classical authors such as Plato, Descartes, Locke, Hume, and Mill, as well as contemporary philosophers. The focus of the course will be on arguments for and against proposed solutions to key problems of philosophy.

**1306. Introduction to Philosophy: Minds, Machines, and Persons.** A focused introduction to the central questions of philosophy, with an emphasis on the mind and the self. Typical questions might include: Does the soul exist? Is the mind the same thing as the brain? Can animals feel pain? Can they think? Can a computer think? Might the mind be a computer? What is consciousness? Can we understand experiences radically different from our own? What is the self? Can we survive the death of our body? The focus of the course will be on arguments for and against proposed solutions to philosophical problems concerning mind, machines, and persons.

**1316. Introduction to Ethics.** A survey of leading theories of value and right conduct and exploration of some of their applications.

**1317. Business Ethics.** A discussion of the moral and political issues surrounding a free-enterprise system. Students will be introduced to basic moral theory. Further topics will include distributive (or economic) justice, the moral preferability of capitalism and socialism, and selected concrete moral issues such as truth in advertising, worker safety, and affirmative action.

**1318. Contemporary Moral Problems.** An examination of current moral and legal issues. Topics may include abortion, euthanasia, animal rights, affirmative action, racism, sexism, drug legalization, censorship, and homosexuality.

**3301. Intermediate Logic.** Students are introduced to the formal theory of the logical systems they have already learned to use: namely, Sentential Logic and Predicate Logic. Students will learn to prove the completeness and soundness of both of these systems. In addition, they may also learn some simple nonstandard logical systems, such as Modal, Epistemic, or Deontic logic, if time permits. *Prerequisite:* PHIL 1301, or its equivalent.

**3302 (RELI 3302). Problems in the Philosophy of Religion.** The philosophy of religion, considering such problems as religious experience, human freedom, good and evil, belief in God, and immortality.

**3305. Philosophy and Gender.** A consideration of whether or not there are differences between the sexes; whether or not Western science, philosophy, and ethics have been dominated by “male thinking;” and current issues such as pornography, censorship, rape, reproductive technologies, etc. Writings by feminist philosophers as well as their critics will be examined.

**3310. Advanced Topics in Philosophy.** (May be repeated for credit.)

**3311. 20th Century Philosophical Analysis.** An examination of the method of philosophical analysis as practiced by such 20th century philosophers as Moore, Russell, Wittgenstein, Quine, Austin, and others.

**3312. Introduction to the Philosophy of Language.** A systematic treatment of such topics as the nature of linguistic reference, meaning, synonymity, truth, vagueness, and metaphor. The course will also examine issues relating to the goals and methodology of linguistics, such as the status of semantic descriptions, and the “nature versus nurture” controversy in language-acquisition theories.

**3313. Epistemology.** A systematic treatment of such topics as skepticism, analyses of factual knowledge, theories of epistemic justification, foundational versus coherence theories of knowledge, and the relationship between psychology and a philosophical account of knowledge.

**3314. Metaphysics.** A study to acquaint the student with traditional metaphysical issues such as the problem of universals, the existence of other minds, continuants, the mind-body problem, and the existence of God.

**3315. Philosophy of Mind.** A systematic treatment of the nature of consciousness, self, and person.

**3333. Topics in Philosophy.** (May be repeated for credit.)

**3351. History of Western Philosophy (Ancient).** A study of the major philosophers from Thales to Plotinus, including Plato and Aristotle.

**3352. History of Western Philosophy (Modern).** A study of major developments in modern Western philosophy from Descartes to Kant.

**3362 (CF 3341. Creativity, Discovery, and Science.** An investigation into the nature of science and of scientific reasoning. Central questions to be considered include: What is the nature of the scientific method? Is science rational? What is the nature of evidence and explanation? To what extent do social realities (e.g., religious faith, prevailing politics, gender issues) play a role in influencing the outcome of scientific disputes? The course will combine philosophical analysis with studies in the history of science to investigate these and other questions.

**3363 (CF 3308). Aesthetic Experience and Judgment.** A good deal of attention is devoted to these questions: What is beauty? Are there any standards or rules concerning what is beautiful? What is art? Why is art an important part of human culture? The course will also consider the role of emotion in art, the problem of correct interpretation, and the nature of tragedy.

**3366. Philosophy in Literature.** A nontechnical introduction to philosophy by an examination of traditional philosophical problems embodied in great works of fiction.

**3370. Nineteenth-Century Philosophy.** A detailed study of selected major thinkers from the 19th century, such as Kant, Hegel, Kierkegaard, Nietzsche, Schopenhauer, Fichte, Feuerbach, and Marx.

**3371 (CF 3342). Social and Political Philosophy.** A historical study of philosophical formulation of the individual good (ethics) in its relation to the public good (social philosophy).

**3373. Punishment and Responsibility.** By what right does society punish some people? What is the correct amount of punishment? Who ought to be punished? Various philosophical responses to these questions are examined. Other topics include the morality of capital punishment, excuse and justification, the morality of self defense, and the justifiability of punishing "self-regarding" acts such as drug use.

**3374 (CF 3307). Philosophy of Law.** An analysis of the foundations and nature of law.

**3375. Topics in Moral Philosophy.** A topics offering that seeks to take advantage of the wide variety of issues that can be fruitfully explored in a course on moral philosophy. (May be repeated for credit.)

**3376. Medical Ethics.** An introduction to the moral dimensions of decision-making in medical contexts.

**3377 (CFA 3377). Animal Rights.** An examination of the moral status of nonhuman animals, and its implications for the common use of animals as food and experimental subjects for humans.

**3380. Doing the Right Thing: Contemporary Views of Morality.** A study of contemporary ethical theory.

**3382. Twentieth-Century European Philosophy.** An examination of some methods and principles of European philosophies in the 20th century. Philosophical schools studied: phenomenology, existentialism, Neo-Kantianism, life-philosophy, hermeneutics, and Neo-Marxist critical theory.

**3383. American Philosophy.** Historical development and contemporary themes in American philosophy. Varying emphasis may be placed on trends (e.g., pragmatism), historical figures (e.g., Dewey), or influential contemporary figures (e.g., Quine).

**4381. Philosophy in the Iber-American World.** A survey of Latin American philosophy as it relates to the social and cultural development of Latin America. (SMU in Madrid only.)

**4393, 4394. Independent Study and Research.** Special topics to be selected by the student in consultation with the department. *Prerequisites:* Senior standing and departmental approval.

**5310. Phenomenology.** An explication of the main features, concepts, and methods of phenomenology, and its relation to the history and problems of philosophy and other disciplines. *Prerequisite:* PHIL 3352 or permission of instructor.

**6311, 6312. Philosophical Studies.** Independent work on special topics.

## PHYSICS

Professor Fred Olness, Department Chair

**Professors:** Gary McCartor, Ryszard Stroynowski, Vigdor Teplitz; **Associate Professors:** Thomas Coan, Kent Hornbostel, Roberto Vega; **Assistant Professors:** Yongsheng Gao, Robert Kehoe, Jingbo Ye; **Senior Lecturer:** Randall Scalise; **Visiting Assistant Professor:** Stuart Wick; **Adjunct Lecturer:** John Cotton; **Emeriti Professors:** Jeff Chalk, George Crawford.

The Physics Department offers a program consisting of course studies in broad areas of classical and modern physics, and research studies in both experimental and theoretical physics.

The research activities of the faculty are focused primarily in high energy, elementary particle physics and related fields. The advanced classes are small, so there is ample opportunity for students to work closely with the Physics faculty, particularly in the advanced laboratories where students become familiar with state-of-the-art equipment. Undergraduate physics majors are strongly encouraged to participate in research activities. A majority of majors go on to pursue advanced degrees upon graduation from SMU.

**Bachelor of Science Degree.** This degree program is designed for students who plan careers in physics in industry, laboratories, or academia. A candidate for the B.S. degree must complete a minimum of 38 term hours in physics, including PHYS 1105, 1106, 1303†, 1304† (or 1307 and 1308), 3305, 3344, 3374, 4211, 4321, 4392, 5382 and 5383. (PHYS 3345 may be substituted for 4321.) An additional laboratory course, PHYS 4112, is strongly recommended. Additional courses may be chosen from a variety of physics electives or in related fields with departmental permission. A candidate for the B.S. degree must also complete 15 term hours of courses in mathematics, including MATH 1337, 1338, 2339, 2343 and one advanced mathematics course. Students planning to pursue graduate studies are encouraged to complete more than the minimum 38 credit hours in physics and 15 credit hours in mathematics.

**Bachelor of Arts Degree.** This degree program is appropriate for students who wish to combine a physics curriculum with a broad liberal arts program with the aim of pursuing careers in medicine, teaching, business, and government. A candidate for the B.A. degree must complete a minimum of 30 term hours in physics, including PHYS 1105, 1106, 1303†, 1304† (or 1307 and 1308), 3305, 3344, 4211, 4392, and 5382. Additional courses may be chosen from the available physics electives or in related fields with departmental permission. Additionally, a candidate for the B.A. degree must complete 15 term hours of courses in mathematics, including MATH 1337, 1338, 2339, 2343 and one advanced mathematics course.

**Minor in Physics.** A minor in physics is particularly appropriate for majors in the natural sciences, including pre-med, mathematics, and engineering. The departmental requirement for a minor in physics is 17 term hours in physics, including PHYS 1105, 1106, 1303†, 1304† (or 1307 and 1308), and nine hours of advanced course work.

**The Departmental Distinction Program.** A physics major achieving a B.S.

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†Students with a strong high school preparation in physics may take a departmental placement examination to acquire credit for either PHYS 1303 or 1304; the placement exam *must* be taken during the student's first term at SMU.

degree may graduate “with departmental distinction” by successfully completing a special program of study in addition to the requirements stated above, while maintaining a minimum G.P.A. of 3.50. The special program consists of independent reading, research and senior thesis under the direction of a departmental faculty member. The student must apply to the Department for this designation during his or her junior year. The student will enroll in either PHYS 4375 or 4390 during the program, and a senior thesis is to be written and presented to the faculty.

**Simultaneous Degree Programs.** It is also possible to earn simultaneously a B.S. degree in physics from Dedman College and a degree in engineering from the School of Engineering. The undergraduate adviser of the Department of Physics should be consulted for detailed information on the simultaneous degree programs.

### The Courses (PHYS)

**1105, 1106. General Physics Laboratory.** One three-hour laboratory period per week. Taken with PHYS 1303, 1304 (or 1307, 1308) if eight hours of credit, including laboratory, are needed. *PHYS 1105 prerequisite for PHYS 1106.*

**1301. The Ideas of Modern Physics.** Presents cosmology, relativity, quantum mechanics, and particle physics in an essentially descriptive, nonmathematical framework accessible to all SMU students.

**1303. Introductory Mechanics.** For science and engineering majors. Vectors kinematics, Newtonian mechanics, gravitation, rotational motion, vibrations, waves, and fluids. *Prerequisite:* MATH 1337 or high school calculus course recommended.

**1304. Introductory Electricity and Magnetism.** For science and engineering majors. Electricity, magnetism, electromagnetic radiation, optics, special relativity. *Prerequisite:* PHYS 1303. MATH 1338 recommended.

**1307, 1308. General Physics.** Principles and concepts of physics; applications in the life sciences. Mechanics, thermodynamics, sound, optics, electricity, magnetism, modern physics. *Prerequisite:* MATH 1337.

**1311. Elements of Astronomy.** A course in planetary and stellar astronomy including laboratory and observations.

**1313. Fundamentals of Physics.** Contemporary concepts of physics including Newtonian mechanics, gravitation, rotational motion, fluids, the gas laws, vibrations and waves, sound. Intended for the nonscience major. No prior knowledge of physics is assumed.

**1314. The Physical Perspective.** Principles and concepts of physics including electricity, magnetism, the nature of light, Einstein’s theory of relativity, quantum theory, atomic physics, and the Big Bang. Intended for the nonscience major. No prior knowledge of physics is assumed.

**1320. Musical Acoustics.** Covers both the acoustics (physical sound properties) and the psycho-acoustics (psychological, perceptual properties) of music. Topics include sound in general, sound of musical instruments (including voice), sound characteristics of rooms, electronic production (synthesis), and reproduction of sound. No prior knowledge of physics is assumed.

**1403. General Physics.** Equivalent of PHYS 1303 and 1105.

**1404. General Physics.** Equivalent of PHYS 1304 and 1106.

**3305. Introduction to Modern Physics.** For science and engineering majors. Special relativity. Elements of quantum physics. Structure of atoms, molecules, and solids. Nuclear physics. Elementary particles. *Prerequisite:* PHYS 1304.

**3320. Physics of Music.** Covers the acoustics (physical sound properties) of music. Topics include sound in general, sound of musical instruments, acoustics, electronic synthesis, Fourier transforms, interference, diffraction, resonance. *Prerequisites:* PHYS 1303 and 1304 or equivalent. PHYS 3344 recommended. A basic knowledge of music is helpful.

**3333. The Scientific Method.** (Debunking Pseudoscience) Provides students with an under-

standing of the scientific method sufficient to detect pseudoscience in its many guises: paranormal phenomena; free-energy devices; alternative medicine; creationism; and many others. *Prerequisite:* None.

**3344. Classical Mechanics.** The motion of a particle and of systems of particles, including oscillatory systems, accelerated coordinate systems, central-force motion, rigid-body dynamics, gravitation, and Lagrangian mechanics. *Prerequisite:* PHYS 1303 and MATH 2339 (or taken concurrently).

**3345. Advanced Mechanics.** Topics in classical mechanics including the motion of a system of particles, the two-body central-force problem, small oscillations of coupled systems, collision theory, Lagrange's and Hamilton's formulations, the vibrating string, and the special theory of relativity. *Prerequisite:* PHYS 1303.

**3368. Principles of Astrophysics and Cosmology.** Cosmic distance scales. Physics of stars. Expansion of the Universe. Cosmic nucleosynthesis. Selected other topics as appropriate. *Prerequisite:* PHYS 3305.

**3374. Thermodynamics and Statistical Mechanics.** Basic concepts of thermodynamics and statistical mechanics with emphasis on quantum statistics. The laws of thermodynamics, entropy, Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics. *Prerequisites:* PHYS 3305. MATH 2343 recommended.

**4112. Laboratory Physics II.** Intermediate level experimental physics. Approximately one experiment per week. One three-hour laboratory period per week. *Prerequisite:* PHYS 1106, 3305.

**4190, 4290, 4390. Special Projects in Physics.** Directed study of special topics. For physics majors only. *Prerequisites:* Junior or senior classification and permission of department.

**4211. Laboratory Physics I.** Introduction to experimental physics. Approximately one experiment per week. One two-hour laboratory period per week. *Prerequisites:* PHYS 1105, 1106, 3305.

**4321. Methods of Theoretical Physics.** Matrices, determinants, linear algebra, complex variables, inhomogeneous equations, Sturm-Liouville theory, partial differential equations, special functions, Fourier series and integral transforms, integral equations, calculus of variations, applications. *Prerequisites:* MATH 2339, 2343.

**4375. Research.** For physics majors. Students will participate in physics research with a member of the faculty of the Department of Physics. *Prerequisite:* Permission of instructor.

**4392. Introduction to Electromagnetic Theory.** A development of electromagnetic theory from the experimental laws; Maxwell's equations for the electromagnetic field. Electrostatics, magnetostatics, steady currents, boundary-value problems, time-varying electric and magnetic fields.

#### *For Undergraduate and Graduate Students*

**5337. Introduction to Solid State Physics.** Crystal lattices and the reciprocal lattice. The free-electron model of metals. Crystal binding. Lattice vibrations phonons. Thermal properties of solids. Energy bands in solids.

**5380. Concepts of Experimental Particle Physics.** Principles of elementary particle physics and the experiments by which we learn laws obeyed by these particles, with reading of scientific papers. *Prerequisite:* PHYS 3305 or equivalent; PHYS 5382 recommended.

**5382. Introduction to Quantum Mechanics.** A study of the development of quantum theory including blackbody radiation, the Bohr atom, and the photoelectric effect. Wave-mechanics and matrix-mechanics approaches will be studied, as well as a brief introduction to the Dirac formalism. Solutions to the Schrödinger equation for a variety of one-dimensional problems and for the hydrogen atom are discussed. *Prerequisite:* PHYS 3305 and MATH 3353.

**5383. Advanced Quantum Mechanics.** Applications and approximation methods in quantum mechanics. Applications to laser physics, solid-state physics, molecular physics, and scattering are included. *Prerequisite:* PHYS 5382.

**5393. Electromagnetic Waves and Optics.** Theory and applications of electromagnetic wave radiation, propagation, and scattering. Geometrical and physical optics. Guided waves. Lasers,

coherent optics, interferometry, and holography. *Prerequisite:* PHYS 4392 or equivalent, or permission of instructor.

**5395. Introduction to Elementary Particles.** Modern theories of elementary particles including relativistic kinematics, Feynman diagrams, quantum electrodynamics, quarks, weak interactions, and gauge theories. *Prerequisite:* PHYS 5383.

## POLITICAL SCIENCE

Professor Dennis Ippolito, Department Chair

**Professors:** James Hollifield, Calvin Jillson, Harold Stanley, Stephen Wegren; **Associate Professors:** Bradley Carter, Joseph Kobylka, Michael Lusztig, Luigi Manzetti, Dennis Simon, Matthew Wilson; **Assistant Professors:** Valerie Hunt, Taka Sakamoto; **Professor Emeritus:** James Gerhardt.

### For Undergraduate Students

The department offers undergraduate courses of three types. Introductory courses (at the 1000 level) survey each of the broad fields of study in the discipline. Advanced courses (at the 3000 and 4000 levels) explore more closely defined topics within each of those fields — 3000-level courses examine relatively broad subjects; 4000-level courses examine more specific topics, but are not inherently more demanding than 3000-level courses. Introductory-level preparation or at least sophomore standing is recommended for students undertaking these advanced courses.

Independent study courses (at the 4000 level) are offered to majors with sophomore or higher standing; prerequisites for these courses are stated in the course descriptions that follow. For purposes of distribution and concentration, courses are grouped in their broad fields in the listings below, as indicated by the last two digits of their course numbers:

Independent Study	00-19
American Government and Politics	20-39
Comparative Politics	40-59
Political Theory	60-79
International Relations	80-99

**Requirements for the B.A. degree.** The B.A. degree in political science requires a total of 33 term hours with two introductory courses (six hours) of choice and 27 advanced hours (3000 and above). Advanced course work must include at least six hours (two courses) in each of two distribution fields, and three hours (one course) in a third.

**Minors in Political Science.** Four minor concentrations are offered, a general program in Political Science and three specifically focused programs in Political Thought, Comparative and International Politics, and American Politics. Each concentration requires 18 term hours of political science courses, including three or six hours (one or two courses) at the introductory level and 12 or 15 advanced hours.

**Departmental Distinction.** The department offers graduation with distinction to select majors of high academic achievement. Interested students may consult with an appropriate faculty member and apply to the Director of Undergraduate Studies for admission to the distinction track. Eligible students must have completed two introductory departmental courses and completed 24 hours of departmental credit before applying for candidacy.

Criteria for graduating with Departmental Distinction include the following:

1. A minimum 3.00 overall G.P.A. at graduation.
2. A minimum 3.50 average in courses taken for the Political Science major.
3. Preparation for a departmental distinction thesis under the supervision of a faculty thesis adviser. The faculty adviser's grade for the thesis must be A– or

higher. This work will be accomplished by taking PLSC 4307 and will be in addition to all other requirements for the major.

4. Passing “with distinction” an oral examination of at least one hour, conducted by a faculty distinction examination committee, which reviews the candidate thesis and major curriculum.
5. A minimum 3.50 average in at least two advanced courses related to the topic of the thesis; one of these may, but need not, be a course taken outside the requirements of the Political Science major.

Students advanced to the distinction track must write a substantial piece of independent and original research (PLSC 4307) and present it to a distinction committee composed of faculty selected by the distinction adviser in consultation with the student. Upon positive recommendation of this committee, the department will award the student graduation with distinction.

Eligible students will be admitted to the distinction track upon recommendation of the Director of Undergraduate Studies in consultation with the faculty member who has agreed to chair the distinction committee and oversee the student’s research and writing. The department does not require candidates for distinction to take Research Design and Data Analysis (PLSC 4376), but strongly advises students interested in empirical research to do so.

**Notes of Importance.** Students must receive at least a C– in all classes counting toward the major or minor.

No course may be counted more than once toward meeting departmental major or minor requirements. In unusual circumstances, a student may petition, through his or her adviser, to the department chair for exceptions to the above requirements. Only the department chair may grant such a written waiver.

### **The Courses (PLSC)**

#### ***American Government and Politics***

**1320. Introduction to American Government and Politics.** The organization, functions, and processes of our national government, with particular attention to parties, pressure groups, and other forces that influence its course. Attention will also be given to the Texas Constitution.

**3320. Principles of Public Policy.** Public policy is the study of the outcome of the political process. Parties, pressure groups, bureaucracies, and legislative bodies create the decisions that govern domestic social policy, international economic policy, and defense policy. *Prerequisites:* ECO 1311 and PLSC 1320. *Recommended:* ECO 1312 and either PLSC 1340 or PLSC 1380.

**3321. Congress and the Legislative Process.** The powers, organization, and rules and procedures of legislatures in the United States. Emphasizes the U.S. Congress: its constitutional responsibilities, committee and staff systems, and legislative procedures in the House and Senate.

**3322. The American Presidency.** An evaluation of the office of president in the American political system with emphasis placed upon the functional and institutional development of the office and presidential leadership in policy making.

**3323. Southern Politics.** Focuses on the South, paying particular attention to partisan competition, the politics of race, redistricting, and voting rights in the 11 Southern states.

**3326. State Government and Politics.** A comparative study of the structure, procedure, and functional services of state, county, and municipal governments with emphasis upon intergovernmental relations in the federal government and Texas government.

**3327. Texas Politics.** This course focuses on government and politics in Texas both by exploring its processes, institutions, and policies, and by placing them within the broader context of the U.S. federal system.

**3329. Bureaucracy and Regulatory Politics.** Examines the “fourth branch” of government,

including the rise of regulatory policymaking in the twentieth century, its instructions and organization, the role of administrative law, the behavior of civil servants and interest groups, and the relationship between bureaucracies and other branches of government.

**3330. Law, Politics, and the Supreme Court.** An introduction to the uniquely political and legal role played by the Supreme Court in elaborating the scope of governmental power and defining individual rights and liberties.

**3331. Media and Politics.** Examines how the media influence the American institutional governing process and citizen engagement in democratic practices such as acquisition of political knowledge and political decision-making.

**3334. Public Opinion and American Politics.** Focuses upon the influence of public opinion on American politics and policy making. Topics for the course will include public opinion and democratic theory, the methods of survey research, the use of the polling “industry,” and the influence of polls on politicians and policy.

**3335. Judicial Process.** Examines the role played by courts in the American system of government. Ranges from the generation of disputes, to the tools used by the judiciary to resolve them, to the ways judges are selected and make decisions, and to the impact of those decisions on society and government.

**3336. Congress, the President, and the Constitution.** An examination of how constitutional interpretation, precedent, and politics affect presidential and congressional powers and the separation of powers with respect to war and foreign affairs; legislation and administration; and budgetary and fiscal policies.

**4320. Special Studies in American Government and Politics.**

**4321. Basic Issues in American Democracy.** An analysis of current American public policy issues within a theoretical framework. Examines the foundations of concepts and value orientations within which policy considerations are made.

**4322 (CFA 3326). Latino Politics.** An analysis of contexts, causes, and consequences of Latino political participation. The focus is on Latinos in the Southwest with some attention to other racial and ethnic groups elsewhere in the U.S.

**4323 (CFA 3334). The Politics of Change in America, 1930-2000.** Focuses on American politics and society from 1930 to the present. Examines how America has changed, explains why changes occur, and assesses the consequences of these changes.

**4324. Political Dynamics.** Use of political parties in formulating political opinions; pressure groups; propaganda; measurement of mass opinions; political leadership.

**4325. Practical Electoral Politics.** An exploration of techniques of political organization drawing on studies of recent campaigns and examining the political pressures that affect policy making in government.

**4326. Presidential Elections.** An examination of presidential nominations and elections. Topics include voter decision making, media coverage, campaign finance, delegate selection rules, the electoral college, and kindred concerns.

**4327. Urban Politics.** Traces ideas and beliefs about the nature and purpose of local political arenas in the American experience from New England townships to modern metropolises.

**4328. Seminar: American Government and Politics.** An overview of the central questions in the study of American government and politics.

**4329. The Politics of Economic Policy.** Analysis of interactions among political beliefs, economic theories, political processes, and public policies that shape and change the American political economy.

**4331. Government and Business.** Analysis of the roles of business in American policies and the impacts of political and governmental decisions on business activity.

**4332. Politics of Litigation.** An examination of the interaction between law and politics and, in particular, of the role interest groups have played in the litigation process.

**4333. Policy, Politics, and the Budget.** Examines the federal budget’s historical evolution and contemporary significance. The constitutional division of the power of the purse between the

legislative and executive branches; presidential-congressional conflicts over control of budget policy; major policy issues relating to the size of the federal budget; spending and tax policy priorities; and deficit and debt problems.

**4335. Constitutional Law.** Examines the scope of constitutional power in the American governmental system, questions of separation of powers between the branches of the national government, and the federal relationship between the national government and state governments.

**4336. Civil Liberties: First Amendment and Privacy.** Examines the place and treatment of expression, religion, and personal autonomy in the American Constitution and in the cases in which the Supreme Court has defined and applied the Constitution.

**4337. Civil Rights.** Examines changes wrought in the American system of governance by the addition of the Fourteenth Amendment, particularly its Equal Protection Clause, and the ways the Supreme Court has interpreted and applied it over time. Topics of attention include racial discrimination, sex discrimination, and equality in the political process.

**4338. Criminal Process Rights.** Examines the application of the principles of “ordered liberty” and the Bill of Rights to criminal process disputes. Its concerns extend through initial police investigation, trial preparation, trial and jury concerns, and the post-trial determination of punishment.

**4339. Women and the Law.** The status of women in the American legal system, including an assessment of women defined as a legal category and the impact of increasing numbers of women lawyers, judges, and criminals.

#### ***Comparative Politics***

**1340. Introduction to Comparative Politics.** Analyzes and contrasts different patterns of national political development in Western, Marxist-Leninist, and Third World countries. Examines political dilemmas confronting each type of system.

**3340. Western European Politics.** The political development of Britain, France, Germany, and Italy. Topics include: the emergence of parliament and parties; democratic breakdown and the rise of fascism; modern parties and interest groups; state economic planning; corporatism; extraparliamentary oppositions.

**3341. Politics of Participation and Representation in Western Democracies.** Focuses on the numerous avenues through which citizens influence politics and policy making in advanced industrial democracies. Considers the implications of formal institutional structures, such as electoral and party systems, the impact of organized groups, as well as more informal forms of participation, such as protest movements and citizen initiatives.

**3342 (CF 3388). Making Democracy Work.** Aims to answer the fundamental question of why democracy thrives in some nations while in others it struggles, and in many more it has not yet taken root.

**3345. Governments and Politics of the Middle East.** A survey of modern Middle East governments and politics; historical, ideological, and economic and social influences on their domestic and foreign policies; analysis of emerging political forms; some emphasis on modernization problems.

**3346. Governments and Politics of Japan.** A study of political institutions, foreign policies and international relations, and the economic and social problems of Japan.

**3347. Governments and Politics of Africa.** The politics of Black Africa in an international context, emphasizing the problems of race, nationalism, and economic development.

**3348. Governments and Politics of Latin America.** The structure, functions, and operations of governments in Latin American countries with emphasis on political practices and institutions.

**3349. Politics of Major Latin American Countries.** An introduction to the problems of political development in some of the major countries of Latin America: Argentina, Brazil, Chile, and Mexico.

**3352. Chinese Politics.** Chinese contributions to Marxist-Leninist theory; analysis of Chinese institutions and policy making, with emphasis on recent political developments.

**3355. The Political Economy of the Welfare State.** Focuses on the origins, evolution, and

management of industrial democracy in Europe and America. Emphasizes the interconnections between political and economic challenges inherent in policy making, and the economic implications of public policy.

**3358. Government and Politics of Russia.** Examines attempts to reform the former Soviet Union since 1985. Analyzes, in particular, the social and political processes behind the demise of the Soviet system. Emphasis is placed on sources for support of, as well as obstacles to, political, economic, and social reform in post-communist Russia.

**3359 (CFA 3359). From Communism to Democracy.** The rise and fall of communist regimes and the transition to democracy in Eastern Europe and the former Soviet Union, emphasizing social, economic, and political influences affecting divergent paths to democracy.

**4340. Special Studies in Comparative Government and Politics.**

**4341 (CFA 3304). Comparative Rights and Representation.** Examines the tension that exists between rights and democratic representation. Explores judicial social-policy making, individual versus collective rights, aboriginal rights, and affirmative action.

**4342. Why Nations Revolt.** Provides an introduction to revolutions by surveying the major theories that have been developed to explain the occurrence of revolutions. Various revolutions will be examined as case studies, including the French, Russian, Nazi, and Chinese revolutions. In addition, at least one peasant revolution in the Third World will be covered.

**4348. Seminar: Comparative Government and Politics.** An overview of the central questions in the study of comparative government and politics.

**4353. Governments and Politics of East Asia.** Analysis of various aspects of social change and modernization and their effects on mass and elite political behavior and political processes in selected countries of East Asia.

**4354. The Third World and North-South Relations.** An inquiry into problems and theories of political economy of development and dependency in the Third World countries.

**4355 (CFA 3355). Comparative Political Economy of Industrialized Democracies.** Examines the nature and workings of the political economies of industrialized democracies of North America, Europe, and the Pacific in comparative perspective. *Recommended:* Prior completion of one introductory political science and/or economics course.

**4356. Latin American Political Economy.** Focuses on the challenges facing public policy in the Latin American region and how to interpret that region's politics and economic frustrations. Attentive to the basic rules of the Latin American political game and the lack of agreement on them.

**4358. Soviet Politics: Revolution to Revolution.** A survey of Soviet political history from 1917-1991. Special attention is devoted to the way in which each Soviet leader attempted to change the political and economic system.

#### ***Political Theory***

**1360. Introduction to Political Theory.** An introduction to political theory through an examination of classical and modern approaches to the study of politics. Addresses questions concerning how we get knowledge about politics and what we do with that knowledge.

**3360. Foundations of Political Thought.** Main currents of political thought in their historical settings from Plato to the 17th century, with a critical evaluation of those elements of continuing worth.

**3361. Modern Political Thought.** Main currents of political thought in their historical setting from the 17th century to the present.

**3362. Twentieth-Century Political Thought.** Analysis of the political implications of selected responses to the problems of modern mass society.

**3363. American Political Thought.** A historical and analytical survey of the thinkers, actors, and main currents of American political thought from the founding of the first European colonies to the present day.

**3365. Communism and Post-Communism.** Theoretical foundations of communism and its variant forms in practice, explanations for the collapse of Eastern European communist systems, and possible futures of communism.

**3370. Women and Politics.** An analysis and critique of women's role in politics, theories on women's status and power, political activities, ideologies, and programs of feminists, past and present.

**4360. Special Studies in Political Theory.**

**4361. Political Regimes: Understandings of Rome.** Focuses on the various understandings of "Rome" as developed in the writings of Plutarch, St. Augustine, and Machiavelli. Addresses three fundamentally different conceptions of the regime — beginning with the Roman Empire, considering the effects of the Christian Order, and addressing the new modes and orders introduced by Machiavelli.

**4362. Medieval Political Philosophy.** Introduces students to the tradition of political philosophy represented by various thinkers of the medieval period. Through an analysis of Islamic, Jewish, and Christian authors, students attempt to come to an understanding of the fundamental issues at stake in their works. The course also examines closely the alternative solutions proposed for solving what has been termed the "theological-political problem."

**4368. Seminar: Political Theory and Philosophy.** An overview of the central questions in the study of political theory and philosophy.

**4371. Jurisprudence.** An introduction to alternative ways of viewing the sources, functions, and uses of law. Attention is given to various understandings of concepts of justice and rights.

**4376. Research Design and Data Analysis in Political Science.** Focuses on the "art" and "science" of designing and conducting empirical research in political science. The topics covered include research design, measurement, data analysis, and hypothesis testing.

***International Relations***

**1380. Introduction to International Relations.** A basic survey of the elements of international relations, including the nation-state system, international organizations, international law, diplomacy, foreign policy, and various nonstate actors such as multinational corporations.

**3351. Russia Under Putin.** A study of contemporary Russia. The goal is to prepare a multifaceted assessment of the superpower that is and was Russia. How will it develop, politically, economically and militarily? The course is part of the SMU in Copenhagen program.

**3381 (CFA 3381). Current Issues in International Politics.** An interdisciplinary survey of contemporary issues and challenges in the international arena. The student will research and propose solutions taking into account the multi-dimension aspects of these international challenges.

**3382. International Organizations: Global and Regional.** A study of the United Nations and other international agencies in their attempts to deal with the great international political problems of our times.

**3383. The American Foreign Policy Process.** A survey of the contemporary content and the conduct of American foreign policy.

**3387 (CF 3303). Political Geography.** An examination of topics in international political rivalries within the nation-state system. Major emphasis will be given to the adaptations within that system since 1850 for spatial distributions of physical terrain, populations, economic resources and activities, and political and social divisions.

**3389 (CF 3389). International Political Economy.** Introduces students to the study of international political economy. The expansion of trade and foreign direct investment, and the increase in international migration, are indicators of a new interdependence and globalization. How do nation-states respond to globalization and manage international economic relations?

**3390. Negotiating International Trade.** Examines the means by which countries negotiate international trade. In part, the course is theoretical, examining standard theories of trade. In part it is empirical, with hemispheric trade as the substantive focus. Finally, in part the course is practical. Students are engaged in a computer-based simulation exercise with students from other universities.

**4380. Special Studies in International Relations.**

**4381. National Security Policy.** The historical background and development of national

security policy in the United States. Emphasizes war powers and defense policy: the constitutional framework, precedents, and presidential-congressional authority; and Cold War and post-Cold War national security strategies and defense policy issues.

**4382. The Politics of Military Force.** An examination of uses of U.S. military force as a political instrument and an attempt to judge its effectiveness as a tool of American foreign policy since the end of the Second World War.

**4384. American-Russian Relationship: Soviet and Russian Foreign Policy.** Surveys American-Russian relations since 1945. Examines the relationship during the Cold War, with emphasis on how and why the Cold War began and then investigates the reasons for the end of the Cold War. Explores the nature of the relationship in the post-Cold War era, with emphasis on common interests and issues that divide the two nations. Incorporates a negotiation simulation exercise between American and Russian negotiating teams.

**4385. Inter-American Relations.** A survey of the diplomatic and commercial relations between the United States and the republics of the Western hemisphere with particular attention to involvement in the Caribbean area.

**4386. Issues of U.S.-East Asia Relations.** Analysis of politics of trade imbalance, regional collective security, technology transfer and other problems of bilateral and multilateral relations between the United States and East Asian countries.

**4388. Seminar: International Government and Politics.** An overview of the central questions in the study of international government and politics.

**4391. NAFTA and Free Trade in the Americas.** Exploration of the domestic politics of the three NAFTA countries leading to the North American Free Trade Agreement, the effects of the agreement, and possibilities for expanding free trade in the Americas.

**4398. Nuclear Weapons and World Politics.** Focuses on the nuclear rivalry between the U.S. and the USSR, and on how this rivalry has transformed the nature and conduct of world politics. Emphasis is placed on theoretical and analytical perspectives, including deterrence theory, bargaining, and game theory. Attention is also given to the implications stemming from both the vertical and horizontal proliferation of nuclear weapons.

#### ***Special Undergraduate Offerings***

Opportunities for independent study and research are available to majors in political science. Students must have departmental approval prior to registering for these courses. Prerequisites are stated for each independent study course below. Such courses may not be counted toward departmental distribution requirements, and no more than two such courses may be counted toward overall major or minor requirements.

**4102, 4202, 4302. Directed Readings.** Students develop and execute independent reading or research projects under the guidance of a departmental faculty member, culminating in a written report. *Prerequisites:* Written approval of the instructor and the department chair or a designate, at least sophomore standing, and appropriate introductory and advanced course preparation.

**4301, 4401, 4402, 4403, 4404. Washington Term.** Intensive study of national political institutions. Includes a four-hour research project (4401), a four-hour internship (4402), and an eight-hour seminar (4403 and 4404). *Prerequisites:* Two courses in political science, at least one at the upper level, that are relevant to the selected program. Available for Political Science, Public Policy, or International Studies majors or minors.

**4304. Departmental Seminar: Scope and Methods of Political Science.** An overview of the enterprise of political science. It canvasses the areas of interest to the discipline, the questions political scientists pursue, and the ways scholars have addressed these questions.

**4306. Internship in Political Science.** Undergraduate students who arrange for part- or full-time jobs in government, political parties, interest groups, or other organizations relate these experiences to their academic curriculum through research and writing, under the guidance of a departmental faculty member. *Prerequisites:* Written approval of the instructor and the department chair or a designate, at least sophomore standing, and appropriate introductory and advanced preparation.

**4307. Departmental Distinction Thesis.** Candidates for departmental distinction write a thesis under the direction of a departmental faculty member, culminating in an oral examination over the field of the thesis. *Prerequisite:* Admission to departmental honors candidacy.

**4343. Nationalities and Minorities in Europe.** A study of minority issues in Europe. The Balkans, the Baltics, the Basques: what is the fighting for? In modern Europe, minority issues are constantly debated and acted upon, both by majorities and minorities. The course is part of the SMU in Copenhagen program.

**4363. Religion and Politics in the Western Tradition.** Analysis of the relationship between religious faith and civil government in the Western tradition. Focuses on thinkers and controversies from the late Roman empire to the contemporary United States.

**5341. European Politics: The European Union.** Europe is in a period of transformation, emerging as a major player on the world scene, while internally developing a novel balance between unification of countries and the rise of local identities. What are the forces that shape the new Europe? How does European policy materialize and who makes the decisions? The course is part of the SMU in Copenhagen program.

**5383. Seminar on Regional Conflicts.** A study of the problems of European security, with a particular emphasis on the issues confronting populations and policy makers after the Cold War, on the search for a new European security order, and on the emergence of new threats to security. The course is part of the SMU in Copenhagen program.

## PSYCHOLOGY

Professor Ernie Jouriles, Department Chair

**Professor:** Alan Brown; **Associate Professors:** John Edens, Ephrem Fernandez, Robert Hampson, Renee McDonald, Thomas Ritz; **Assistant Professors:** Katherine Presnell, Alicia Meuret, Lorelei Simpson, Jasper Smits; **Lecturers:** Michael Crow, Susan Hornstein, Chris Logan.

### Requirements for the Bachelor of Arts Degree in Psychology

*The following 9 hours must be completed with a combined average of 2.0 or better prior to declaring the major:*

**PSYC 1300** Introduction to Psychology

**PSYC 3382** Experimental Psychology

**STAT 2331** Introduction to Statistical Methods or STAT 2301 Statistics for Modern Business Decisions

**Five courses chosen from the following (15 hours):**

**PSYC 3332** Developmental Psychology

**PSYC 3341** Social Psychology

**PSYC 3380** Health Psychology

**PSYC 3383** Sensation and Perception

**PSYC 5354** Personality

**PSYC 5355** Abnormal Psychology

**PSYC 5384** Psychology of Learning

**PSYC 5385** Physiological Psychology

**PSYC 5388** Memory and Cognition

**PSYC 5390** History of Psychology

**Twelve additional hours at the 3000 level or above.**

Total number of hours: 36

Practicum, individual research, and independent study courses (4161, 4172, 4261, 4272, 4361, 4372, 5100, 5200, and 5300) may be taken only on a pass-fail basis. Such courses will not count toward the major.

### Requirements for the Minor in Psychology

PSYC 1300 (Introduction to Psychology) must be successfully completed before declaring a Psychology minor. The minor requires three PSYC courses chosen from the following: 3332 (Developmental Psychology), 3341 (Social Psychology); 3380

(Health Psychology), 3382 (Experimental Psychology), 3383 (Sensation and Perception), 5354 (Personality), 5355 (Abnormal Psychology), 5384 (Psychology of Learning), 5385 (Physiological Psychology), 5388 (Memory and Cognition), and 5390 (History of Psychology).

The student must also complete two elective courses in Psychology (six hours) at the 3000 level or higher, excluding Independent Research, Human Relations Seminar, and Practicum.

### The Courses (PSYC)

**1300. Introduction to Psychology.** Broad introduction to psychology as a behavioral science with special emphasis on cognition, development, learning, social, personality, physiological, and clinical psychology (psychopathology and psychotherapy).

**3332. Developmental Psychology.** A survey of the processes and variables that influence the development of the child, adolescent, and young adult. Emphasis is on research in such areas as perceptual, cognitive, language, and social/emotional development.

**3341. Social Psychology.** Effect of social conditions on individual behavior; includes topics such as attitude change, conformity, attraction, aggression, and small-group behavior.

**3350. Psychology of Women.** A study of the origin and development of supposed sex differences and their psychological consequences. Emphasis on which sex differences are supported by research and which are not. Also covers the social and personal conflicts encountered by women today, particularly in the business world.

**3360. Forensic Psychology.** Examination of the interface between psychology and the legal system, focusing in particular on the role of mental health experts in criminal trials and civil disputes. *Prerequisite:* PSYC 3382.

**3380. Health Psychology.** An overview of psychological factors affecting the body. Topics include emotion, stress, disease of the immune and cardiovascular systems, eating disorders, and aging.

**3382. Experimental Psychology.** Design and evaluation of psychological research with emphasis on scientific method, data collection, experimentation, control procedures, validity, reliability, and report-writing skills.

**3383. Sensation and Perception.** Characteristics of external stimuli, physiology of receptor mechanisms, and information processing. Emphasis on vision and hearing with some coverage of other sensory modalities.

**4161, 4261, 4361. Individual Research in Psychology.** Supervised individual empirical research and/or library research on selected problems. The proposed research must be submitted to and approved by the instructor before admission. Pass/fail only.

**4172, 4272, 4372. Human Relations Seminar/Practicum.** An intensive study of interpersonal helping relationships based upon psychological theories and research findings. Focuses on supervised personal involvement with others as a helper. Pass/fail only.

**4398. Seminar for Distinction Candidates.** Each prospective distinction student will write and defend a research proposal for their distinction thesis.

**4399. Departmental Distinction Thesis.** Each distinction student will write and defend a research thesis. Students defending their thesis before an examining committee selected from within SMU's Department of Psychology will receive Distinction in Psychology at graduation.

### For Undergraduate and Graduate Students

**5100, 5200, 5300. Advanced Individual Research in Psychology.** Supervised individual empirical research and/or library research on selected problems. The proposed research must be submitted to and approved by the instructor before admission. Pass/fail only. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5333. Domestic Violence and Children.** Overview of research and theory on domestic violence and its effects on children. Applied component involves working with children in a domestic violence shelter. *Prerequisites:* PSYC 1300, 3382, and STAT 2301, and permission of instructor.

**5334. Psychological Disorders of Children.** A study of the nature and causes of abnormal behavior in childhood. Includes theories, case studies, and therapeutic approaches; emphasis is on understanding the relationship between normal and abnormal behavior. *Prerequisites:* Sophomore standing, six hours PSYC including 1300, 3332, 3382, and STAT 2331 or STAT 2301.

**5336. Cognitive Development.** A survey of the psychological literature concerned with the child's development of cognitive skills, structures, and processes. *Prerequisites:* PSYC 1300, 3332, 3382, and STAT 2331 or STAT 2301.

**5337. Social and Personality Development.** An examination of theories of development of personality, with emphasis on those aspects that affect the individual's interaction in a social world. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5338. Psychology of the Family.** An in-depth exploration of current research and theories dealing with psychodynamics of family life, developmental nature of the family, and family pathology. *Prerequisites:* Six term hours in psychology, including PSYC 1300, 3382, and STAT 2331 or 2301; or permission of instructor.

**5341. Research Design in Psychology.** Provides a background in the tactics of research design. Focuses on nonstatistical issues; unobtrusive measures, reactivity, causal relationships, experimental and quasi-experimental design, internal and external validity. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5343. Organizational Psychology.** Psychological principles applied to organizations, both business and volunteer, emphasizing a systems approach and including selection and assignment of personnel, leadership, motivation, communication, groups, and an overview of organizational developments. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5351. Social Perception.** Surveys social perception and cognition, including topics such as person perception, nonverbal communication, emotional expression, accuracy, and stereotyping. Ecological, evolutionary and cognitive theoretical approaches to social knowledge acquisition are considered. *Prerequisites:* PSYC 1300, 3341, 3382 and STAT 2331 or 2301; or permission of instructor.

**5354. Personality.** An examination of theories that attempt to explain the underlying bases of personality and the causes of individual differences. Emphasis is placed on the normal personality, but the causes of abnormal personality development, as outlined by each theory, are discussed as well. *Prerequisites:* Sophomore standing and six hours of Psychology, including PSYC 1300, 3382, and STAT 2331 or 2301.

**5355. Abnormal Psychology.** An examination of the causes, correlates, consequences, and treatment of abnormal behavior and mental states. Emphasis placed on findings from empirical research. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5356. Introduction to Clinical Psychology.** A survey of the important issues and subfields of clinical psychology from the viewpoint of the scientist-practitioner model. Research, assessment, diagnosis, and theories in the area of psychotherapy are covered. Primarily designed for students contemplating graduate school in clinical psychology or related fields. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301; or permission of instructor.

**5359. Death and Dying.** An intensive study of topics related to mortality including sociocultural attitudes, funeral practices, loss and mourning, suicide, death across the lifespan, legal and ethical issues, and spiritual aspects of death. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5361, 5362, 5363. Special Topics in Psychology.** Designed to cover topics that may have temporary or limited interest. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5371. Psychological Testing.** Statistics and theories underlying the construction of psychological tests and inventories; emphasis upon concepts of reliability, validity, and other procedures for utilizing and evaluating psychological tests. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5382. Advanced Experimental Psychology.** Topics include descriptive and inferential statistics, experimental design, correlational design, and quasi-experimental design. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5383. Behavioral Medicine.** Biopsychosocial bases of problems in physical health ranging from acute illness to chronic diseases and addictive disorders. Emphasis is on psychological assessment and treatment of these conditions. *Prerequisites:* PSYC 1300, 3382 and STAT 2331 or 2301; or permission of instructor.

**5384. Psychology of Learning.** A survey of the general principles, concepts, and current developments in the empirical analysis of learning. Topics include conditioning modes of addiction, learned helplessness, and the contribution of evolution to the expression of behavior change. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5385. Physiological Psychology.** A survey of the neural bases of behavior. Primary emphasis will be given to mammalian brain structure and function and their relationships to psychological and behavioral processes. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5386. Behavioral Action of Drugs.** Principles of drugs and behavior. Classification and chemical effects of behaviorally active drugs. Influences of environmental, response, and task variables, as well as evaluation and treatment of addiction. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5387. Psychology of Motivation.** A study of current theories of motivation, with attention to the methods used in studying motivation and the effects of motivation on selected behaviors in human beings and animals. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5388. Memory and Cognition.** A study of how information is encoded, stored, and retrieved in adults. Topics may include attentional processes, verbal learning, memory, comprehension, and problem solving. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5390. History of Psychology.** A coverage of the most important movements and individuals contributing to the development of modern psychology. *Prerequisites:* PSYC 1300, 3382, and STAT 2331 or 2301.

**5392. Comparative Cognition.** Comparative cognition studies the higher mental abilities (e.g., learning, remembering, problem solving, language) of humans and animals. These abilities are examined from cognitive, learning, developmental, and evolutionary viewpoints. *Prerequisites:* PSYC 1300, 3382 and STAT 2331 or 2301.

## PUBLIC POLICY

**Professor Dennis Ippolito** (Political Science), **Director**

The Public Policy major is an interdisciplinary program in Economics and Political Science. The B.A. degree in Public Policy is designed to provide students with the analytical skills and historical context to understand and deal with contemporary policy issues. The major in Public Policy is useful as preparation for work in government and business and as preparation for postgraduate study in law, public policy, and the social sciences.

**Major Requirements.** The B.A. degree in Public Policy requires a total of 33 hours. The degree consists of two components:

1. Eighteen (18) hours of core courses:

**ECO 1311, 1312, and 3301.**

**PLSC 1320, and PLSC 1340 or 1380.**

**PLSC 3320.**

2. At least 15 hours of advanced courses selected from the fields below, with no fewer than six hours in Economics (ECO) and six hours in Political Science (PLSC) or Public Policy (PP).

To meet the advanced course requirements, students must take at least six hours in each of any two of the fields of Political Economy, Law and Social Policy, and International Politics and Policy, as well as three hours from the quantitative methods field. Although not a requirement, students are advised to take at least one term of calculus (MATH 1309 or 1337) and one term of statistics (STAT 2301 or ITOM 2305).

**Note of Importance.** Students must receive at least a C– in all classes counting toward the major.

List of fields and acceptable courses (additional prerequisites not contained in the core are listed in parentheses):

**Political Economy**

- ECO 4366 Economics of the Public Sector
- ECO 4371 Theory of Industrial Structure
- ECO 4382 Economics of Regulated Industries
- ECO 4385 Macroeconomics: Theory and Policy (*Prerequisite:* ECO 3302)
- ECO 5361 Natural Resources and Energy Economics (*Prerequisite:* ECO 3302)
- ECO 5365 Public Finance
- PLSC 3329 Bureaucracy and Regulatory Politics
- PLSC 3355 The Political Economy of the Welfare State
- PLSC 3389 International Political Economy
- PLSC 3390 Negotiating International Trade
- PLSC 4333 Policy, Politics, and the Budget

**Law and Social Policy**

- ECO 4351 Labor Economics
- ECO 5337 Urban Economics
- ECO 5353 Law and Economics
- ECO 5357 Economics of Human Resources
- PLSC 3321 Congress and the Legislative Process
- PLSC 3330 Law, Politics, and the Supreme Court
- PLSC 3335 Judicial Process
- PLSC 3370 Women and Politics
- PLSC 4337 Civil Rights
- PLSC 4338 Criminal Process Rights
- PLSC 4339 Women and the Law
- PLSC 4341 Comparative Rights and Representation
- PP 3310 Environmental Policy

**International Politics and Policy**

- ECO 3321 International Economic Policy
- ECO 4357 International Trade
- ECO 4358 International Macroeconomic Theory and Policy (*Prerequisite:* ECO 3302)
- ECO 5360 Economic Development (*Prerequisite:* ECO 3302)
- PLSC 3340 Western European Politics
- PLSC 3345 Governments and Politics of the Middle East
- PLSC 3346 Government and Politics of Japan
- PLSC 3348 Governments and Politics of Latin America
- PLSC 3358 Government and Politics of Russia
- PLSC 3383 The American Foreign Policy Process
- PLSC 3389 International Political Economy
- PLSC 4356 Latin American Political Economy
- PLSC 4381 National Security Policy
- PLSC 4386 Issues of U.S.-East Asia Relations
- PLSC 4391 NAFTA and Free Trade in the Americas

**Quantitative Methods**

- ECO 5341 Strategic Behavior
- ECO 5350 Introductory Econometrics (*Prerequisites:* STAT 2301 or 4340 or ITOM 2305, MATH 1309 or 1337)
- ECO 5370 Cost-Benefit Analysis
- ECO 5375 Economic and Business Forecasting (*Prerequisite:* STAT 2301 or ITOM 2305)

### The Courses (PP)

**3310. Environmental Policy.** Overview of governmental environmental policies designed to provide a foundation for future application and study in the growing environmental field.

## RELIGIOUS STUDIES

Professor Richard Cogley, Department Chair

**Professors:** Charles Curran, Robin Lovin; **Associate Professor:** William Barnard; **Assistant Professors:** Mark Chancey, Jill DeTemple, Carl Johan Elverskog, Serge Frolov, John Lamoreaux, Steven Lindquist.

**Degree Program.** The B.A. degree in Religious Studies is appropriate for a general liberal arts education and for preprofessional training leading to graduate degrees in religious studies, theology, or other areas of the humanities.

Departmental courses are offered in four areas: *philosophical* studies of religious ideas and values, *historical* studies of religious movements and institutions, *scientific* studies of religious beliefs and behavior, and *textual* studies of religious traditions and scriptures. A well-balanced program of undergraduate study includes courses from each of these four areas. Students planning to undertake graduate studies are strongly encouraged to take the major “with departmental distinction” and to complete twelve term hours in either French or German.

**Major Requirements.** Thirty term hours in the department. Twenty-four must be completed in courses numbered above 3000 and must include RELI 3306 or 3307 and 3319 or 3326.

**Departmental Distinction.** A Religious Studies major with minimum overall G.P.A. of 3.00 and a 3.50 G.P.A. in the major by the middle of the junior year may apply for the degree “with departmental distinction.” Candidates for distinction must enroll in a Directed Research tutorial in the fall term of their senior year followed by an Independent Studies course in the spring term for which they will write a senior thesis. Only the Directed Research tutorial may be used to fulfill the 30-term-hour requirement for the major.

**Minor Requirements.** Students majoring in other departments or schools may obtain a minor in Religious Studies by completing 15 term hours in the department. Nine hours must be completed in courses numbered above 3000 and including one course chosen from RELI 3306, 3307, 3319, or 3326.

### The Courses (RELI)

**1301. Ways of Being Religious.** A comparative study of the beliefs and practices of a wide variety of religious traditions. Special attention to such perennial themes as God, salvation, evil, morality, and death.

**1303. Introduction to Eastern Religions.** An introductory historical overview of the major religious traditions of Asia. The course will explore developments in religious and cultural trends expressed in South Asia (Hinduism, Buddhism, Jainism, and Sikhism) and in East Asia (Confucianism, Taoism, and Shinto).

**1304. Introduction to Western Religions.** A historical introduction to Judaism, Christianity, and Islam. Topics include Moses and ancient Israelite religion; Jesus and early Christianity; rabbinic Judaism; Muhammad and classical Islam; the birth of Protestantism; and Jewish, Christian, and Islamic modernism.

**1305. Introduction to Primal Religions.** An introduction to the religious world views and ritual life of such primal cultures as Australian aboriginals, African tribal peoples, and native North and South Americans, as well as the significance of the resurgence of neo-paganism in the West.

**3302. Problems in the Philosophy of Religion (PHIL 3302).** The philosophy of religion, considering such problems as religious experience, human freedom, good and evil, belief in God, and immortality.

**3304. Introduction to Christian Theology.** An exploration of such theological problems as the authority of the Bible, the reality of God, the meaning of Christ, the nature of humanity, and the end of history in the light of the biblical heritage and contemporary thought.

**3305 (CF 3331). Religion as Story.** An interpretation of stories as modes of religious discernment as well as means of religious communication, with special attention to selected narrative forms such as myth, fairy tale, novel, and autobiography.

**3306. Introduction to the Hindu Tradition.** An exploration of the major attitudes and institutions that define the Hindu tradition, with attention to ideology, social organization, and ritual in light of both historical development and contemporary practice.

**3307. Introduction to Buddhism.** Communal rituals, practice, ethics, and political involvement of the Buddhist community (*sangha*) as it has taken form in five cultural areas: India, South Asia, Tibet, East Asia, and America.

**3308. Christian Ethics and Moral Issues.** An examination of the relationship between moral reasoning and Christian belief. An analysis of various Roman Catholic and Protestant theories of religious ethics and of specific questions of personal conduct and social policy.

**3309 (CF 3361). Bioethics from a Christian Perspective.** This course will examine bioethics from a Christian ethical perspective with special attention to different methodological approaches to the significant themes and realities involved (e.g., life, health, suffering, death), and to the most important issues faced today.

**3310 (SOCl 3320). The Social-Scientific Study of Religion.** An introduction to scientific ways of thinking about the social, cultural, and psychological aspects of religious life. Attention is given to major thinkers and theories dealing with religion in the disciplines of anthropology, psychology, sociology, and the social-scientific study of religion.

**3314. Studies in Comparative Religion.** An examination of a particular topic or theme as expressed in a variety of religious traditions, Eastern and Western, ancient and modern. Topics will vary from term to term.

**3315. Religion in Politics.** An examination of the impact of religious belief and ethical thought, as well as social, cultural, and psychological factors, on the involvement of religious people in the political sphere. The course introduces the social-scientific study of religion to aid in the analysis of current and recent case studies, ranging from the conservatism of the “Far Right” to the revolution of the “Left,” and involving Christian, Jewish, Muslim, Hindu, and Buddhist traditions.

**3316 (CFA 3306). Religion and Science.** An exploration of how religion and science understand such topics as the origins and destiny of the universe and the evolution of life.

**3317 (CF 3357). Human Meaning and Value in Personal Life.** An exploration of the two positive marks of a productive life – love and work – and the two threats to an abundant life – suffering and death.

**3318 (CF 3316). The Hero in the Bible and the Ancient Near East.** An examination of concepts of the hero in the literatures of ancient Mesopotamia, Canaan, and Israel, with special attention to the nature of traditional narrative and to the relationship between the hero, society, and the self.

**3319. Introduction to the Hebrew Bible.** An introduction to the Old Testament and to the religion and history of ancient Israel. Special emphasis will be given to the ancient Near Eastern roots of biblical religion and to the modern interpretation of biblical myth, epic, and prophecy.

**3320. Introduction to Classical Judaism.** An introduction to the study of religion through examination of Judaism. The course will look at central Jewish religious ideas and how they developed within the rabbinic and medieval periods. Special attention will be given to conflicts and controversies, such as Judaism’s rejection of early Christianity; heretical movements within medieval Judaism; and Jewish attitudes toward other religions.

**3321 (CF 3332). Religion and the Holocaust.** A study of responses to the Holocaust by Jews and Christians. The course will begin with an overview of the history of the Holocaust as it affected the Jewish communities of Central and Eastern Europe. Students will then read

personal memoirs of survivors of ghettos, concentration camps, and Nazi Germany. Post-war responses will include questions of faith after the Holocaust; Christian responsibility for modern anti-Semitism; the impact of the Holocaust on the creation of the State of Israel and Middle East politics today; and post-war relations between Jews and Germans.

**3324. The Jewish Experience in America.** An examination of Jewish life in America, including history, literature, cultural expressions, and religious beliefs from the seventeenth century to the present.

**3326. Introduction to the New Testament.** An introduction to the writings of the New Testament, the formative events, and the persons who played leading roles in the origin of Christianity.

**3329. Introduction to Islam.** An examination of the history, doctrines, and rituals of the Muslim community, treating Islam in both the past and the present, and in its global context.

**3330. The History of Christianity.** An introduction to the European development of Christianity, focusing on the key movements, the outstanding leaders, and crucial turning points in the history of Christianity.

**3331. Renewal of Roman Catholicism at the Second Vatican Council.** The main section of the course will concentrate on a study of the more significant documents of the Second Vatican Council (1962-1965). An introductory part will consider the background prior to the Second Vatican Council and the changes that helped bring it about. A concluding part will deal with the more significant developments in Roman Catholicism in the last 30 years.

**3333. Religion in America.** A consideration of the history of religion in America from the colonial period to the present. Special emphasis on either selected religious groups, movements, or thinkers.

**3334. Conservatism and Liberalism in American Christianity.** An examination of the fundamentalist, evangelical, and liberal understandings of Christianity, with attention to the issues at stake, and the problems and possibilities of dialogue.

**3335. Religious Sects and Cults in America.** An examination of new religious movements that have originated in America (such as Mormonism, Seventh-Day Adventism, Scientology, Christian Science, and the Nation of Islam) or have been transplanted here from abroad (e.g., Hasidic Judaism, Theosophy, the Unification Church, the Hare Krishna movement, and Baha'i).

**3336. African-American Religious History.** An examination of the major movements, figures, and critical issues in African-American religious history. The focus is on the United States, although West African, Caribbean, and South American materials are included. Special attention is given to slave religion, the civil rights movement, and Black criticism of Christianity.

**3337 (CF 3356). Christianity and American Public Life.** Course objectives are: 1) to acquaint students with some recent criticisms of the dangers of individualism permeating American understanding and life; 2) to propose the communitarian dimensions of human existence from the Christian perspective; and 3) to help students enter more critically into the dialogue about the role of religion in pluralistic contemporary American society.

**3338 (CFA 3338). Christ as Cultural Hero.** An exploration of the impact of Jesus on the history of Western culture, not only in religion and philosophy, but also in the fine arts, literature, and politics.

**3339 (CFA 3339). The Puritan Tradition in England and America.** An examination of the religious, political, scientific, economic, and literary dimensions of the Puritan movement in Tudor-Stuart England and in colonial America.

**3340. Religious Experience.** An examination of the varieties of religious experience from traditional forms of mystical and ecstatic experience, to nontraditional forms of altered states of consciousness. Attention is given to social, cultural, ethical, psychological, and existential dimensions of religious experience approached from a cross-cultural perspective.

**3349. Early Christianity.** Major developments in the history of Christianity from 100-600. Emphasis is placed on institutional and ideological developments.

**3350. History of Biblical Interpretation.** A survey of the interpretive approaches to the Bible in Jewish and Christian traditions from ancient times to the modern era. Topics will include interpretation in the biblical period, rabbinic and early Christian exegesis, mystical interpretation, and modern historical scholarship. The social context and the aims of interpretation will be key concerns of the course.

**3352 (CF 3346). Love and Death in Ancient Mythology.** An exploration of love and death in the mythologies of Mesopotamia, Egypt, Canaan, Greece, and India. The interaction of these twin themes will be pursued as a key to the religious and philosophical perspectives of these ancient peoples. The significance of ancient mythology for modern reflection will be a central concern throughout the course.

**3358 (CFA 3322). The Psychology of Religion.** An investigation of the biological and psychological underpinnings of religious belief, behavior, and experience, as well as the psychological and biological consequences of religion.

**3360. The History of Judaism.** An overview of both the historical development of the Jewish tradition and its central laws, religious practices, and theology.

**3364. Native American Religions.** An investigation of the mythologies of North America, centering on Southwestern and Northern Plains cultures. Native texts will be approached by way of modern theories of the interpretation of myth, ritual, and religion. Topics include creation myths, culture heroes, trickster tales, sacred music and dance, and rites of healing and passage.

**3365 (CF 3339). Understanding the Self: East and West.** An examination of several basic notions pertaining to selfhood, including consciousness, cognition, motivation, personal identity and decision, as found in Eastern and Western sources.

**3366 (ANTH 3366). Magic, Myth, and Religion Across Cultures.** A cross-cultural and comparative exploration of religion, ritual, magic, and supernatural belief systems among peoples of the world. Examines how religion permeates other aspects of society and culture.

**3367. The Religious Life of China and Japan.** An introduction to the history, thought, and religious practices of Taoism, Confucianism, Shinto, and Mahayana Buddhism.

**3368 (CF 3368). Wholeness and Holiness: Religion and Healing Across Cultures.** An exploration of various understandings of the relationship between religion and healing. Analysis of the interface between medical and religious models of health through a wide range of ethnographic examples and theoretical perspectives. Special attention is also given to different religious healing modalities.

**3370. Great Religious Leaders.** A comparative study of the life and thought of outstanding representatives of diverse religious traditions, with special attention to founders and revitalizers of the world religions.

**3371 (CFA 3307). Religion and Culture in the Greco-Roman World.** Investigates the intersections of political history, social history, philosophical thought, and religious belief and practice, with particular attention to Judaism and Christianity in their Greco-Roman context.

**3372. Biblical Interpretation and the State of Israel.** An examination of the ways in which the Bible has been interpreted both in support of and in opposition to the modern state of Israel.

**3374. Female and Male in Religion and Culture.** How does the study of gender differences affect our understanding of history, religion, and culture? This course will take a critical look at current discussions in the field of women's studies and their impact on contemporary thought.

**3375 (CF 3343). Wives, Mothers, Lovers, Queens: Expressions of the Feminine Divine in World Religions and Cultures.** A historical and cross-cultural overview of the relationship between feminine and religious cultural expressions through comparative examinations and analyses of various goddess figures in world religions.

**3376 (CF 3344). Constructions of Gender, Sexuality, and the Family in South Asian Religions.** A comprehensive historical overview of gender issues as they are represented in the great textual traditions of South Asia. To make these classical texts more relevant, readings in recent anthropological studies of religion will also be included to enable the student to trace recurring gender themes, images, and symbols.

**3377 (CF 3399). The Cultural History of Tibet.** A critical study of Tibetan history, culture, and religion and how they relate to the representation of Tibet in travel, scholarly, and popular literature.

**3378. Religions of China.** A historical survey of the religious cultures of China from the ancient Shang dynasty through the contemporary period.

**3380. Women and Religion in America.** A historical introduction to the role of women in American religious history with special attention to the interplay between women and wider religious and cultural values.

**3382. Mysticism, East and West.** An inquiry into mysticism as a path for attaining individual religious fulfillment. Attention to such mystic traditions as Zen, Tantra, Yoga, Sufism, Kabbalah, and Christian mysticism.

**3385. Philosophies of India.** An examination of some of the major traditions of Indian systematic philosophy. Attention to the analysis of consciousness, perception, language, and the problems of validation.

**4198, 4199. Independent Study.**

**4298, 4299. Independent Study.**

**4352. Jesus and the Gospels.** An examination of canonical and non-canonical Christian Gospels, with special attention to methods of gospel research and to the study of the historical Jesus.

**4354. The Prophets of the Old Testament.** An introduction to the writings and religious concepts of the prophets of ancient Israel. Special emphasis will be given to the roots of prophecy in ancient Near Eastern religions, the social role of the Israelite prophet, and comparisons with seers and shamans of modern religious traditions.

**4356. The Bible and Ethics.** An examination of the ways in which Christians have appealed to scripture in ethical debates, with special attention to classic ethical approaches, specific ethical issues, and methodological problems.

**4371. Pauline Christianity.** A study of Paul and Pauline Christianity, drawing on Paul's letters, the Acts of the Apostles, and other documents of the New Testament.

**4381. Internship in Religious Studies.** Enables students to gain vocational experience by working in nonsectarian religious organizations and institutions, such as social justice agencies, ecumenical associations, and charitable or educational foundations.

**4198, 4199, 4298, 4299, 4398, 4399, 4498, 4499. Independent Study.**

**4388, 4389. Special Topics in Religious Studies.** A detailed investigation of a topic chosen by the instructor. Topics vary.

**4396, 4397. Directed Reading and Research.** Special topics to be selected by the student in consultation with the department. Open to seniors upon departmental approval.

**4398, 4399. Independent Study.**

## SOCIOLOGY

Professor Linda Brewster Stearns, Chair

**Professor:** Anthony Cortese; **Associate Professor** Richard Hawkins; **Assistant Professors:** Dalia AbdelHady, Francisco J. Granados, Sheri Locklear Kunovich; **Lecturer:** Syeda Jesmin, Adrian Tan; **Adjunct Lecturers:** Karen de Olivares, Monty Evans.

The sociology curriculum includes courses on research design, data analysis, social theory, and conceptualization of domestic and international organizational and social problems. In today's information society, these skills give sociology majors a competitive advantage in the fields of social research, criminology, demography, public administration, policy analysis, gerontology, education, social work, and market research.

Sociology majors entering the business world often work in marketing research, human resources, management, industrial relations, public relations, or sales. Soci-

ology majors entering human services often work with youths at risk, the elderly, or people experiencing problems related to poverty, or substance abuse. Sociology majors entering the government sector often work in policy analysis, program evaluation, or urban planning.

**Requirements for the B.A. Degree.** This major requires a minimum of 33 term hours, 18 of which must be at the advanced level. The four required courses include either SOCI 2300 or 2310, 3311, 3312 and either SOCI 4313 or 4314. Of the remaining 21 credit hours, six hours must be at the 4000 level. Students should take either SOCI 2300 or 2310 and either SOCI 3311 or 3312 before taking a 4000-level course. STAT 1301 or 2331 can be counted as one of the eleven courses needed for the sociology major. Twelve term hours of foreign language are recommended.

**Requirements for the B.S. Degree.** The B.S. degree is a more specialized program than the B.A. It provides a sound foundation for graduate study in sociology or law. The major requires 36 term hours, 18 of which must be at the advanced level. The five required courses include either SOCI 2300 or 2310, 3311, 3312, 4313, and 4314. Of the remaining 21 credit hours, nine hours must be at the 4000 level. Students should take either SOCI 2300 or 2310 and either 3311 or 3312 before taking a 4000-level course. STAT 1301 or 2331 may be counted as one of the courses within the sociology major. Twelve term hours of foreign language are recommended.

**The Department Distinction Program.** Students wishing to work for distinction in sociology should consult the Director of Undergraduate Studies as soon as possible in the junior year. Students will be expected to engage in original research (based on a topic covered in a 3000 or 4000-level course) and write a journal-length article under the supervision of a faculty member while enrolled in SOCI 4396. At the end of the semester, the supervising faculty will make a recommendation to departmental faculty regarding distinction. The department committee will then evaluate the merits of the paper and determine if distinction will be awarded. Either a B.A. or B.S. student can attempt distinction in Sociology.

**Requirements for Minor in Sociology.** Students majoring in other departments may obtain a minor in sociology by completing either SOCI 2300 or 2310, one of the following: SOCI 3311, 3312, 4313, or 4314, one additional course at the 4000 level, and two courses at the 3000 level or above for a total of 15 hours.

### The Courses (SOCI)

**2300. Social Problems.** Selected problems of modern urban life analyzed with an emphasis on American values, the nature of community, and the manifest and latent functions of proposed solutions to social problems.

**2310. Introduction to Sociology.** The perspective and basic content of sociology, emphasizing the ways in which values and other beliefs influence social behavior.

**2377. Markets and Culture.** A general introduction to economic sociology, illustrating how the basic economic categories of labor, commodities, money, markets, and the economy are affected by social relations.

**3301 (ANTH 3301, CFA 3301). Health, Healing, and Ethics.** An examination of beliefs about health and disease in a world context. Texts plus a case history approach are used to examine medical beliefs, concepts of health, mind, and body, together with ecological and ethical issues relating to our changing populations.

**3305 (CFA 3310, ETST 2301). Race and Ethnicity in the United States.** An interdisciplinary seminar designed to introduce students to the analysis of race and ethnicity in the United States within a global context.

**3311. Qualitative Research Methods.** Course provides an overview of commonly used methodologies in sociology, with a focus on qualitative methods. Topics include the relationship between theory and qualitative methods, an inductive versus deductive approach, data collection, data analysis, and presentation of findings. *Prerequisite:* Either SOCI 2300 or 2310.

**3312. Survey Research Methods and Data Analysis.** Course provides an overview of social survey design and collection of quantitative survey data. Topics include questionnaire design, field implementation, statistical analysis of data, and presentation of findings. Lab sessions will investigate sociological data sets. *Prerequisite:* Either SOCI 2300 or 2310.

**3320 (RELI 3310). The Social-Scientific Study of Religion.** An introduction to scientific ways of thinking about the social, cultural, and psychological aspects of religious life. Attentive to major thinkers and theories dealing with religion in the disciplines of anthropology, psychology, sociology, and the social-scientific study of religion.

**3330. Person vs. Society?** Social-psychological examination of causes and consequences of conformity and loss of individuality; emphasis on strategies for countering pressures to conform and for achieving personal autonomy.

**3340. Global Society.** Provides students with a sociological orientation to the contemporary world viewed as an evolving network of nation-states. Focusing on the global interdependence of countries, the position of societies in the world system will be related to their internal patterns of social stratification.

**3345. Media Ethics and Gender.** To provide a broad historical and contemporary background to the study of media, ethics, and gender images — both in the U.S. and abroad.

**3351. Marriage and Family.** Husband-wife and parent-child relations in the United States; traditions and alternatives.

**3355. Family Conflict.** Domestic violence, conflict over child custody in divorce, incest and child abuse, neglect and failure to support are topics in the changing family in America. Intergenerational issues and problems also discussed.

**3360. Law and Society.** Designed to give students a broad overview of the history and functions of our major legal institutions and their relationship to American culture and social structure.

**3363. Crime and Delinquency.** Extent of the problem, causal theories, prevention and public policy.

**3368 (ANTH 3368). Urban Problems: A Cross-cultural Perspective.** Evolution, development, and differentiation of Western cities compared to non-Westernized cities.

**3370. Minority-Dominant Relations.** The nature, origins, and consequences of relationships between unequal groups; U.S. and other societies compared.

**3371. Sociology of Gender.** Roles of men and women in American Society; analysis of the acquisition, content, and consequences of sex roles; social movements and implications for social change.

**3372. Chicanos in the Southwest.** Contemporary Chicano life and culture in the Southwest; effects of racism and rapid urbanization.

**3377. Organizations and Their Environment.** Explores the theories and relationships between organizations and environment. Applies these theories to the analysis of real world organization activities. *Prerequisite:* SOCI 2377.

**3383 (CF 3385). Race, Culture, and Social Policy in the Southwest.** This interdisciplinary seminar introduces students to conceptualizing social problems. Focus is on the distinctive conditions defined and treated as social problems in the American Southwest.

**4193, 4293, 4393. Individual Research.** *Prerequisites:* Either SOCI 2300 or SOCI 2310 and either SOCI 3311 or 3312, and one 3000-level course.

**4313. The Sociological Tradition.** Introduction to ideas and theories of 19th- and early 20th-century sociologists. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4314. Contemporary Sociological Theory.** Recent trends in sociological theory and research. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4321. Immigration and Population Issues.** Causes and consequences of population growth and change in the United States and the world. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4335. Social Movements and Collective Behavior.** Nature, causes, and consequences of crowds, riots, fads, public opinion, social movements, and revolution. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4340. Sociology of Culture.** This course provides an overview of the sociological study of culture and focuses on the ways language, artifacts, ideas, identities and narratives construct social reality. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4353. Political Sociology.** Political movements, the impact of politics on other institutions in America, issues of power and control are discussed. Global issues of economics and political power included. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4360 Gangs in the United States: Developing Historical, Social and Theoretical Understandings of a Modern Problem.** An examination of the history, development and structures of gangs in the U.S., which incorporates explanatory theories, policy and models for prevention, intervention and suppression of gang activity. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4363. The Administration of Justice.** Law enforcement and criminal court systems; the ideal of justice and public policy. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4364. Correctional Systems.** The history of punishment, adjustment to incarceration, and comparison of prisons for men and women. Constitutional issues of criminal punishment discussed. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4366. Deviant Behavior.** Causes and consequences of deviant behavior; evaluation of leading theories. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4372. Wealth and Consumption.** This course focuses on how group membership (e.g. race, social class) and societal forces (e.g. economic development) affect spending and savings patterns with particular attention paid to sociological theories of consumption. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4373. Class, Race, and Gender Inequalities.** Unequal distribution of power, prestige, and opportunity within society; causes and consequences. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4374. Social Change.** Review of major social change theories emphasizing: technology, modernization, social power, impact of change on individuals and institutions; possible solutions to resulting problems. Seminar format. *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

**4377. Contemporary Markets and Culture.** Provides an opportunity to apply knowledge acquired in core Markets and Culture classes to real world contexts. *Prerequisites:* SOCI 2377 and 3377.

**4379. Markets and Culture Internship.** Provides students the opportunity to do field work on the research and analysis of social institutions and problems. Student will intern for an agency, organization, or business, and complete a research project. *Prerequisites:* SOCI 2377 and 3377, and permission of program director.

**4396. Individual Research for Distinction.** *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312, and one 3000-level course, and permission of director of undergraduate studies.

**4398. Sociological Internship.** *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312, and permission of director of undergraduate studies.

**4399. Special Topics: Sociology Seminar.** *Prerequisites:* Either SOCI 2300 or 2310, and either SOCI 3311 or 3312.

## STATISTICAL SCIENCE

Professor Richard Gunst, Department Chair

**Professors:** William Schucany, Lynne Stokes, Wayne Woodward; **Associate Professor:** Ian Harris; **Assistant Professors:** Jing Cao, Monnie McGee, Hon Keung Ng, Sherry Wang; **Emeritus Professors:** Narayan Bhat, Henry Gray, Chandrakant Kapadia, Campbell Read.

Statistics is the science of collecting, analyzing, and interpreting data. The science of statistics is applicable in every setting where decisions are to be made or knowledge is to be advanced based on the analysis of data. Application fields include almost every academic discipline, including business, engineering, and the natural and social sciences. Selecting the best medical treatment for a particular form of cancer, determining whether to use sampling methods to augment a census, and evaluating temperature trends for evidence of greenhouse-induced climate change are diverse examples of settings in which statistical science has made important contributions. Because of its interdisciplinary nature, statistical science is an exciting and valuable double major or minor. Visit [www.smu.edu/statistics](http://www.smu.edu/statistics).

**Requirements for the B.S. Degree.** Two tracks are available for students interested in a statistical science major. The **Bachelor of Science in Applied Statistics** track prepares students for careers in industry, government, or business by emphasizing the development of students' skills in data analysis and the proper interpretation of data. It is intended to be a terminal degree track and should not be the preferred track for students intending to pursue advanced studies in statistical science. The **Bachelor of Science in Statistical Science** track prepares students for advanced studies in statistical science, such as graduate work in the field or in a related discipline. Since statistics is a science based on correct mathematical formation and careful adherence to underlying theoretical principles, this track places more emphasis on mathematics preparation than does the other track.

#### **Requirements for the Bachelor in Applied Statistics (42 hours)**

**MATH 1309**

**CSE 1340**

**STAT 5371, 5372, 4399**

*Electives – 27 hours selected from the following, including at least 12 advanced hours in STAT*

**STAT 1301 or 2301 or 2331 or ITOM 2305** (no more than one), **3312, 3370, 4340, 5377**

**EMIS 3360, 5369, 7361**

**ECON 5350, 5375, 5385**

**ITOM 3306**

#### **Requirements for the Bachelor of Science in Statistical Sciences (42 hours)**

**MATH 1337, 1338, 2339**

**STAT 4340 or 5340, 5371, 5372, 4399**

*Electives – 21 hours selected from the following, including at least 9 advanced hours in STAT*

**STAT 1301 or 2301 or 2331 or ITOM 2305** (no more than one), **3312, 3370, 5377**

**MATH 2343, 3353** (highly recommended) or other advanced courses

**EMIS 3360, 5369, 7361**

**ECON 5350, 5375, 5385**

**Requirements for the Minor.** A minor in statistical science is a valuable complement to majors in the natural or social sciences, engineering, or business. Students planning careers that involve the collection, processing, description, and/or the analysis of quantitative information will enhance their career opportunities with a minor in statistical science. A minor in statistical science requires at least 15 term hours, including the specified hours in each of the following three categories.

**STAT 1301, 2301 or 2331 or ITOM 2305** (no more than one); **ITOM 2308; EMIS 3360, 5369, 7361; ECON 5350** (at least 3 hours)

**STAT 3312, 3370, 5377; PSYC 3382** (at least 6 hours)

STAT 5371, 5372 (6 hours)

**The Courses (STAT)**

**1301. Introduction to Statistics.** Introduction to collecting observations and measurements, organizing data, variability, and fundamental concepts and principles of decision-making. Emphasis is placed on statistical reasoning and the uses and misuses of statistics.

**2301. Statistics for Modern Business Decisions.** A foundation in data analysis and probability models is followed by elementary applications of confidence intervals, hypothesis testing, correlation, and regression. *Prerequisite:* CEE Math Fundamentals or equivalent.

**2331. Introduction to Statistical Methods.** An introduction to statistics for behavioral, biological, and social scientists. Topics include descriptive statistics, probability and inferential statistics including hypothesis testing, and contingency tables.

**3312. Categorical Data Analysis.** Examines techniques for analyzing data that are described by categories or classes. Discusses classical chi-square tests and modern log-linear models. Emphasizes practical applications using computer calculations and graphics. *Prerequisite:* STAT 2301 or 2331, or equivalent.

**3370. Survey Sampling. Principles of Planning and Conducting Surveys.** Simple random sampling; stratified, systematic, subsampling; means, variances, confidence limits; finite population correction; sampling from binomial populations; margin of error and sample-size determination. *Prerequisite:* STAT 2301 or 2331, or equivalent.

**4340 (EMIS 4340). Statistical Methods for Engineers and Applied Scientists.** Basic concepts of probability and statistics useful in the solution of engineering and applied science problems. Topics: probability, probability distributions, data analysis, sampling distributions, estimation, and simple tests of hypothesis. *Prerequisites:* MATH 1337 and 1338.

**4399. Statistical Science in Practice.** Practical experience on projects dealing with the collection, analysis, and interpretation of data. Three to four major projects, one of the student's design. Case studies from a variety of disciplines. *Prerequisite:* Statistical Science major or minor with senior class standing.

**For Undergraduate and Graduate Students**

These courses do not carry graduate credit for students in the M.S. program or in the Ph.D. program in statistical science.

**5340 (EMIS 5370). Probability and Statistics for Scientists and Engineers.** Introduction to fundamentals of probability and distribution theory, statistical techniques used by engineers and physical scientists. Examples of tests of significance, operating characteristic curve, tests of hypothesis about one and two parameters, estimation, analysis of variance, and the choice of a particular experimental procedure and sample size. *Prerequisites:* MATH 1337, 1338, and 2339, or equivalent.

**5344 (EMIS 5364). Statistical Quality Control.** Statistics and simple probability are introduced in terms of problems that arise in manufacturing; their application to control of manufacturing processes. Acceptance sampling in terms of standard sampling plans: MIL-STD 105, MIL-STD 414, Dodge-Romig plans, continuous sampling plans, etc. *Prerequisite:* STAT (EMIS) 4340 or STAT 5340 (EMIS 5370).

**5371. Experimental Statistics.** A non-calculus development of the fundamental procedures of applied experimental statistics, including tests of hypotheses and interval estimation for the normal, binomial, chi-square and other distributions, and nonparametric tests. *Prerequisite:* Junior standing or permission of instructor.

**5372. Experimental Statistics.** Analysis of variance, completely randomized design, randomized complete block designs-nested classifications, factorials; analysis of covariance, simple and multiple linear regressions, and correlation. *Prerequisite:* STAT 5371.

**5377. Statistical Design and Analysis of Experiments.** Introduction to statistical principles in the design and analysis of industrial experiments. Completely randomized, randomized complete and incomplete block, Latin square, and Plackett-Burman screening designs. Complete and fractional factorial experiments. Descriptive and inferential statistics. Analysis of variance models. Mean comparisons. *Prerequisite:* STAT 4340 or 5371, or permission of instructor.

## WOMEN'S STUDIES PROGRAM

Professor Carolyn Sargent, Director

**Lecturer:** Josephine Caldwell-Ryan.

Women's Studies is an interdisciplinary academic field that explores historical and contemporary achievements of women, including their intellectual, artistic, political, and social contributions. Women's studies core and departmentally based courses introduce students to the dynamic and rapidly increasing scholarship on gender, the status of women, and the interrelations of women and men. Through participation in Women's Studies courses, SMU students, both male and female, are exposed to new ways of thinking about life choices and occupational opportunities and are better prepared for future challenges.

A minor in Women's Studies effectively complements a variety of majors and minors. The minor requires a minimum of 15 term hours, including WS 2322 (or an approved substitute) and 12 additional hours of courses approved for the program. At least nine hours must be advanced.

### The Courses (WS)

**2308. Revisions: Woman as Thinker, Artist, and Citizen.** Designed to discover how an emphasis on the particular experiences of women can enhance and complicate traditionally conceived areas of scholarship and critical endeavor. Also explores areas of women's experience traditionally undervalued, such as friendship, sexuality, motherhood, and old age.

**2309. Lesbian and Gay Literature and Film: Minority Discourse and Social Power.** The exploration, through literature and film, of the struggles by gay men and lesbians to create social identities and achieve human rights. Study of key cultures and pivotal historical periods in the West from ancient Greece to contemporary America.

**2315. Gender, Culture, and Society.** An interdisciplinary study of gender ideology stressing anthropological and literary perspectives, this course analyzes gender difference as a structuring principle in all societies and explores some of its representations in literature, film, and contemporary discourse.

**2322. Women: Images and Perspectives.** An examination of the constant and changing understanding of women reflected in myths, research, and theories of biology, history, religion, the social sciences, literature, and language.

**2380. Human Sexuality.** This course explores the biosocial aspects of human sexuality and sex behaviors. A multidisciplinary and cross-cultural perspective will be used to address a wide range of theoretical and pragmatic sexual issues.

**3347 (FL 3363). Figuring The Feminine.** This course introduces students to a large body of French literary texts (in translation) by and about women, which bear witness to women's struggle for civil, social, and political adulthood. They span the period from the 14th century to the present.

**3370 (ENGL 3364). Women in 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.

**3381 (ARHS 4371). Modern Myth-Making.** The quest for enduring cultural heroes and the projection of changing social messages as reflected in art from past epochs to modern times.

**3382. Women's Body Politics.** A cross-cultural, interdisciplinary exploration of the cultural and ideological work that women's bodies perform as reflected in literature, art, medicine, philosophy, and political discourses from the Classical era to today.

**4209. Independent Studies.** A supervised practicum and/or directed readings on specific problems or themes under faculty guidance. Approval of Coordinator is required.

**4303 Women Studies Internship.** Offers students experience with organizations serving women or addressing women's and gender issues, as well as with varied potential careers or volunteer opportunities in the community.

**4309. Independent Studies.** A supervised practicum and/or directed readings on special problems or themes formulated by the student with faculty guidance and the approval of the director of Women's Studies.

**6300 (TC 8375). Advanced Feminist Theory.** Explores feminist theories that seek to explain women's subordination historically and cross-culturally, examines gender as a principle of social organization, and addresses the linkages among gender, ethnicity, and class from the vantage of multiple disciplines.

**ANTH 3310** Gender and Sex Roles: A Global Perspective

**ANTH 3336** Gender and Globalization: Cultural and Ethical Issues

**ARHS 3358/6389** Women in the Visual Arts: Both Sides of the Easel

**ARHS 3357** Women Artists

**ARHS 4371 (WS 3381)** Modern Myth-Making

**CTV 2332** American Popular Film

**CTV 2362** Diversity and American Film

**CTV 3310** Screen Artists (subject to approval)

**ECO 4351** Labor Economics

**ECO 5357** Economics of Human Resources

**ENGL 1360** The American Heroine: Fiction and Fact

**ENGL 3344** Victorian Gender

**ENGL 3367** Ethical Implications of Children's Literature

**ENGL 3371 (HIST 3357)** Joan of Arc: Her Story in History, Literature, and Film

**ENGL 3377** Literature and the Construction of Homosexuality

**ENGL 3373 (FL 3359)** Masculinities: Images and Perspectives

**ENGL 3364 (WS 3370, CF 3370)** Women and the Southwest

**ENGL 3379** Literary and Cultural Contexts of Disability: Gender, Care, and Justice

**ENGL 4341** Victorian Writers

**ENGL 6391, 6392, 6393, 6394, 6395** Seminars (subject to approval)

**FL 3312** Women in Modern China

**FL 3348** Women in Japanese Culture and Society

**FL 3349 (HIST 3392)** The African Diaspora: Literature and History of Black Liberation

**FL 3359 (ENGL 3359)** Masculinities: Literary Images and Perspectives

**FL 3363 (WS 3347)** Figuring the Feminine

**HIST 3301** Human Rights: America's Dilemma

**HIST 3312** Women in American History

**HIST 3317** Women in Latin American Societies

**HIST 3329** Women in Early Modern Europe

**HIST 3330** Women in Modern European History

**HIST 3355** Class and Gender in Ancient Society

**HIST 3357 (ENGL 3371)** Joan of Arc: Her story, in History, Literature, and Film

**HIST 3365** Problems in European History

**HIST 3392 (FL 3349)** The African Diaspora: Literature and History of Black Liberation

**HIST 3394** The New Woman: The Emergence of Modern Womanhood in the U.S., 1890 to 1930

**HIST 3398** Women in Chinese History

**HIST 5341** Seminar (subject to approval)

**HR 8331** Women in World Religions (instructor approval)

**HX 7327** Women in the History of Christianity (instructor approval)

**HX 8329** Mary and Christian Tradition (instructor approval)

**MDVL 3352** Ideals and Ideals of Gender in the Middle Ages

**MUHI 3341** Women and Music "Like a Virgin": From Hildegard to Madonna

**MUHI 4341** Women Composers and Performers in the 19th and 20th Centuries (majors only)

- PHIL 3305** Philosophy and Gender
- PLSC 3370** Women and Politics
- PLSC 4339** Women and the Law
- PS 8360** Women's Spiritual Quest (instructor approval)
- PSYC 3350** Psychology of Women
- RELI 3375** Wives, Mothers, Lovers, Queens: Expressions of the Feminine Divine in World Religions and Cultures
- RELI 3376** Constructions of Gender, Sexuality, and the Family in South Asian Religions
- RELI 3380** Women and Religion in America
- SOCI 3351** Marriage and the Family
- SOCI 3371** Sociology of Gender
- ST 8375** Feminist and Womanist Theologies (instructor approval)
- WS 2308** Revisions: Woman as Thinker, Artist, and Citizen
- WS 2309** Lesbian and Gay Literature and Film: Minority Discourse and Social Power
- WS 2322** Women: Images and Perspectives
- WS 2380** Human Sexuality
- WS 2315** Gender, Culture, and Society
- WS 3347 (FL 3363)** Figuring the Feminine
- WS 3370 (ENGL 3370)** Women and the Southwest
- WS 3381 (ARHS 5381)** Modern Myth-Making
- WO 8308** Women and Worship (instructor approval)

## SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

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The School of Education and Human Development comprises two large divisions, each made up of a number of academic departments offering programs grounded in the social and behavioral sciences. The Division of Education represents SMU's commitment to the professional development of educators through innovative and research-based undergraduate, graduate, and professional-development programs. The undergraduate curriculum prepares students for initial teacher certification. Graduate programs focus on early childhood education, literacy and language acquisition, learning theory, and giftedness and include graduate-level certifications and Master's degrees, as well as a variety of enrichment opportunities that meet the professional-development needs of practicing educators. In addition, both the Institute for Reading Research and the Gifted Students Institute reside within the Division of Education. One of the most productive literacy research centers in the nation, the Institute for Reading Research performs research concerning reading and reading disabilities, language acquisition, and teaching and learning. The Gifted Students Institute was founded on the premise that "giftedness" is a resource that should be nurtured for the benefit of all.

The Division of Human Development is a broad, interdisciplinary area that involves the study of individuals in groups and organizations. It applies human behavior principles and theories to issues regarding the nature and productivity of interpersonal behaviors in the work place, institutional use of human resources, the influences of organizational culture on performance, and the effects of planned and unplanned leadership on an organization's growth and development. The central offerings within this area concern the fields of dispute resolution and community counseling. In addition, the Division of Human Development offers a number of lifelong learning opportunities, foremost of which are the Master of Liberal Studies and Continuing Studies.

Additional information is available at [www.smu.edu/education](http://www.smu.edu/education).

### DIVISION OF EDUCATION

The Division of Education houses undergraduate, post-baccalaureate, and graduate programs for both aspiring and practicing educators. Programs of study assist students in obtaining credentials for teaching in elementary, secondary, or all-level (grades K-12) settings. At the graduate level, a student may pursue a Master of Education (M.Ed.), a Master in Bilingual Education (M.B.E.), or a Master of Music Education (M.M.E.), as well as other credentials in areas such as gifted education, bilingual education, reading, mathematics, English as a Second Language, and learning therapy. For information regarding any of SMU's teacher education opportunities, contact the Division of Education, Southern Methodist University, 415 Clements, P.O. Box 750455, Dallas, TX 75275-0455; 214-768-1311; or visit [www.smu.edu/teacher\\_education](http://www.smu.edu/teacher_education).

#### Undergraduate Teacher Certification

Kathy Hargrove, **Director**

**Professor:** Patricia Mathes; **Associate Professors:** Jill H. Allor, Jiang (JoAnn) Lan, William Pulte, Kenneth L. Springer; **Assistant Professors:** Deborah Diffily; Paige Ware; **Visiting Assistant Professor:** Abigail Bartoshesky; **Senior Lecturers:** Lee Alvoid, Katherine Hargrove, Barbara Morganfield; **Lecturer:** Shelley Wright; **Adjunct Lecturer:** Karen Vickery; **Teacher Certification Administrators:** Paula Serna, Josie Acosta.

The Office for Teacher Certification offers courses that lead to teaching certification at the elementary and secondary levels. Undergraduate students pursue an approved academic major in Dedman College or Meadows School of the Arts while seeking Texas teacher certification through the Office for Teacher Certification in

Early Childhood-Grade 4 (EC-4), Middle School (grades 4-8), or High School (grades 8-12). Music education students work toward an all-level (grades K-12) certificate. Those who have already earned a Bachelor's degree may also obtain teacher certification credentials through the post-baccalaureate program, which essentially mirrors the undergraduate program.

Each student in a certification program has an education faculty adviser who directs his/her program of study. The education faculty is committed to mentoring and supporting student learning. Students are expected to maintain high levels of performance and to develop habits of reflection as they develop knowledge and skills of practice.

The program of study includes 24 hours of coursework and six hours of student teaching/internship experience in all three certification programs: Early Childhood-Grade 4 (EC-4), Middle School (Grades 4-8), and High School (Grades 8-12). (See the list of courses below.)

**Requirements for Admission to Teacher Education Programs.** Students apply for formal admission to the program, submitting a transcript, essay, recommendation, character and fitness affidavit, and appropriate THEA or other test scores. Students must complete at least 45 hours of academic work with a G.P.A. of at least 2.50 and maintain grades of C or better and a minimum G.P.A. of at least 2.75 in a teaching field (e.g., English, mathematics, etc.). In addition, students must have attained a grade of C- or better in the following areas of the General Education Curriculum: Written English, Mathematical Sciences, Science and Technology, and History. Applicants also interview with members of the faculty. Students may register for up to six hours of EDU coursework prior to formal admission. EDU 2350 (Educational Psychology) is a prerequisite for undergraduates enrolling in the certification program. Students complete the Personal Character and Professional Fitness Statement when they apply. A personal/criminal background check may be required prior to field experience and admission to student teaching. Applications for admission to Teacher Education may be obtained from the departmental office in 415 Clements Hall.

**Required Courses.** All of the courses in the program of study are based on the Texas standards for beginning teachers. Requirements can be completed in two regular semesters, such as Fall and Spring. Professors model learning experiences that are considered best practice for all learners in these courses. Students are expected to work collaboratively in small groups, complete simulated teacher tasks, pose questions for class inquiry, and use multiple resources to answer questions.

**Field Experience.** The teacher education program includes extensive field experience to help students prepare for careers in teaching. Background checks are required by most school districts prior to field experiences. The student progresses from observational activities in classrooms to teaching and learning practice sessions with individual students, small groups, and then whole class responsibilities in a carefully managed student teaching experience. SMU students receive mentoring from faculty noted for their exemplary records as both master teachers and scholars. Exemplary teachers from inner city to suburban settings also act as coaches during the field experience. Part of the field experience comes in the form of either a one-semester student teaching experience or a two-semester internship. During the one-semester experience, students work full-time for 15 weeks in an assigned classroom with a master teacher in the Dallas area. During this student teaching term, the six-semester-hour student teaching experience is regarded as "full-time" enrollment status at SMU for insurance purposes. Students receiving financial aid should meet with financial aid counselors prior to the student teaching semester to

determine aid status. Student teaching ensures that graduates of the SMU teacher education program are better able to enter the teaching profession ready to meet the dynamic learning needs of today's youth.

**Interview and Student Teaching Review.** Prior to assignment to student teaching, candidates are reviewed by the faculty to determine whether adequate progress has been made in order to assume responsibility for school-age students. Such factors as academic performance, maturity, and a demonstrated sense of responsibility are among the factors considered. Students must have a 3.0 G.P.A. in all education courses before beginning student teaching.

#### ***Early Childhood-Grade 4 Courses***

**EDU 2350. Educational Psychology.** Application of psychological research and theory in educational settings. Topics include the learning process, individual differences among learners, motivation, the assessment of academic abilities, and successful classroom practice. (Prerequisite for all undergraduates.)

**EDU 5121. Field Experience I.** Field experiences coordinated with EC-4 courses. Class meets on a school campus. (Usually taken in first semester of program.)

**EDU 5122. Field Experience II.** Field experiences coordinated with EC-4 courses. Class meets on a school campus. (Usually taken midway through program.)

**EDU 5123. Field Experience III.** Field experiences coordinated with EC-4 courses. Class meets on a school campus. (Usually taken in semester prior to student teaching.)

**EDU 5318. Formative/Summative Assessment.** Explanation and practice of formal and informal assessment strategies and how assessment outcomes should inform instruction and be shared with families.

**EDU 5327. Integrating Teaching and Learning.** Review of the nature and design of educational activities: theory, research, and practice of lesson planning for active learning that meets the needs of individual students.

**EDU 5331. EC-4 Content Area Studies.** Exploration of science, social studies, art, music, drama, and physical education content for Pre-K-4 students and effective teaching strategies for each content area.

**EDU 5349. Student and Professional Development.** Examination of issues facing teachers in establishing and maintaining a positive and productive learning environment; study of professional aspects of teaching, including ethics and professional growth.

**EDU 5355. EC-4 Mathematics.** Evaluation of mathematics learning materials and teaching methods focusing on knowledge and skills required for prekindergarten through 4th-grade students.

**EDU 5357. Emergent Literacy.** Examination of principles of literacy learning in young children and predictable stages of oral language, writing, and reading development.

**EDU 5358. Conventional Literacy.** Introduction of theories, practices, and materials for teaching reading/writing in primary grades.

**EDU 5363/5364. Student Teaching.** Requirement of a 15-week assignment in an elementary school that has a diverse student population; a weekly seminar meets on campus. (Six hours of credit.)

**EDU 5385/5386. Internship I and II.** Internship requirement of service as teacher of record in grades EC-4. (Six hours' credit, two semesters of supervision.)

#### ***Middle (Grades 4-8) and High School (Grades 8-12) Courses and Certification Areas***

**EDU 2350. Educational Psychology.** Application of psychological research and theory in educational settings. Topics include the learning process, individual differences among learners, motivation, the assessment of academic abilities, and successful classroom practice. (Prerequisite for all undergraduates.)

**EDU 5124. Field experience I.** Beginning field experiences coordinated with MS/HS courses. Class meets on a school campus. (Usually taken in first semester of program.)

**EDU 5125. Field Experience II.** Intermediate field experiences coordinated with MS/HS courses. Class meets on a school campus. (Usually taken midway in program.)

**EDU 5126. Field Experience III.** Advanced field experiences coordinated with MS/HS courses. Class meets on a school campus. (Usually taken semester prior to student teaching.)

**EDU 5315. MS/HS Formative and Summative Assessment.** Examination of various formal and informal assessment methods and strategies specific to their content areas and levels of certification.

**EDU 5335. Adolescent Development and Cognition.** Focus on adolescent growth and development from an educational perspective. Emphasis is placed on the cognitive basis of changes in learning, motivation, academic performance, self-identity, morality, and social relationships that take place during adolescence.

**EDU 5336/5337. Integrating Teaching and Learning.** Emphasis on unit and lesson planning, with focus on alignment of objectives, assessment, and class activities. Examination of methods for incorporating theory into practice, teaching for higher-level learning, student-centered instructions, TAKS, and the role of the teacher in the learning process.

**EDU 5348. Inclusive Classrooms in Urban and Multicultural Environments.** Study of diversity, multicultural concepts, and inclusion and exploration of issues, policies, and professional practice relevant to teaching in urban schools.

**EDU 5366/5367. Creating Successful Classrooms.** Examination of current research promoting student-centered teaching and constructivist practices, including a variety of effective teaching and learning practices.

**EDU 5368/5369. Establishing the Learning Environment.** Examination of issues facing teachers in establishing and maintaining a positive and productive learning environment; study of professional aspects of teaching including ethics and professional growth.

**EDU 5371. Content Area Methods.** Identification of teaching strategies specific to content areas and levels of certification and examination of current research promoting literacy instruction, such as ways to integrate reading, writing, and oral language.

**EDU 5373/5374. Student Teaching.** Requirement of a 15-week assignment in a middle/high school that has a diverse student population; a weekly seminar meets on campus. (Six hours of credit.)

**EDU 5375/5376. Internship I and II.** Internship requirement of service as teacher of record in any of grades 4 through 12. (Six hours' credit, two semesters of supervision.)

#### ***Elective Education Courses***

##### ***(do not meet state requirements for teacher certification)***

**EDU 1110. Oracle.** Oracle is a one-semester, one-credit-hour course that counts as a University free elective. Designed to improve reading and learning efficiency, Oracle is directed to first-year through graduate students who want to acquire advanced reading and learning techniques. Its content is developed from the educational theories and techniques on which both learning and teaching are based.

**EDU 2101. Practicum Leadership.** A unique leadership experience which gives students a laboratory for assessing learned concepts and skills about leadership. Course content includes discussions on empowerment, public speaking, ethics, and citizenship.

**EDU 2102 Practicum Leadership.** One-hour credit for a minimum of 15 clock hours practicum either on campus or in the community. Prerequisite: must have completed EDU 2101.

**EDU 5343. Leadership Theories & Practices (cross-listed w/ CCPA 5301).** Examination of the theories and skills necessary for the development of effective leadership. It includes opportunities for evaluating leaders and leadership behavior in a variety of contexts.

**EDU 5310. Civic Leadership.** Individual and community transformation, resulting from civic leadership, will be examined in the classroom and experientially through a required community-service component occurring outside the classroom.

**EDU 1305. Public Speaking & Communication.** Public Speaking and Communication is a basic course that acquaints students with principles of successful public speaking; provides activities that lead to the development of good speaking, listening, and organizational skills.

**Recommendation for Certification.** Before the Office for Teacher Certification will recommend a student for certification, all requirements – 24 hours of coursework, a satisfactory student teaching or internship experience, and passing scores on two TExES (Texas Examinations of Educator Standards) tests – must be fulfilled. For EC-Grade 4, the two TExES tests include the Pedagogy and Professional Responsibilities (EC-Grade 4) test and the EC-Grade 4 Generalist test. Students preparing for teaching in secondary schools must pass the Pedagogy and Professional Responsibilities TExES test for Grades 4-8 or Grades 8-12 and a TExES test in their content area.

**TExES Preparation Seminar.** The State Board of Educator Certification (SBEC) requires that persons seeking teacher certification take and pass the state-mandated TExES tests in the desired area(s) of certification. The SMU Office for Teacher Certification requires all students to take and satisfactorily complete the SMU TExES Preparation Seminar. In the rare instance where a student does not pass the TExES test, a faculty mentor may be assigned to help develop an individual plan of supplemental study to complement a second taking of the TExES Preparation Seminar.

#### ***Graduate Study for Educators***

SMU offers three Master's degrees for educators – the Master of Education (M.Ed.), the Master of Bilingual Education (M.B.E.), and the Master of Music Education (M.M.E) – as well as a number of special certifications and endorsements approved by the State Board of Educator Certification; certificates are offered in the areas of gifted and talented education, bilingual education, English as a Second Language, mathematics, learning therapy, and reading. Additionally, the university offers a variety of noncredit and credit workshops, lectures, and seminars that address topics of social and scholarly significance to professional educators.

**M.Ed.** is a 36-hour degree program designed for the educator whose interest lies in broadening both academic preparation and classroom skills.

The **M.Ed. with Certification** is a 37-hour degree program that allows individuals with baccalaureate degrees to earn a Master's degree while completing teacher certification requirements for elementary school, middle school, or high school.

**Gifted Supplemental Certification** program provides the graduate courses in gifted/talented education that are required for teachers to earn the state certification. The program is offered through the Gifted Students Institute, which also offers a series of one- and two-day in-service seminars led by nationally recognized experts in the field of gifted education. The institute serves two broad missions. It conducts research to advance knowledge of the nature and special needs of giftedness, and it serves the educational needs of three audiences – gifted youth, educators, and parents of gifted children. For information on the gifted endorsement or other opportunities, contact the Gifted Students Institute, Southern Methodist University, 3108 Fondren Drive, P.O. Box 750383, Dallas, TX 75275-0383, 214-768-4383, [www.smu.edu/gsi](http://www.smu.edu/gsi).

**Master Reading Teacher** program offers the 12 graduate hours required to earn the MRT certificate through State Board of Educator Certification TExES examination.

**Master Math Teacher** program offers the 12 graduate hours required to earn the MMT certificate through the State Board of Educator Certification TExES examination.

**Learning Therapist** program is a professional clinical-practice program designed for individuals who are interested in teaching reading skills to students with written-

language disabilities. Graduates of the 22-credit-hour program are certified as professional Learning Therapists. To learn more about this opportunity, contact the Learning Therapist Program Office, Southern Methodist University, P.O. Box 750384, Dallas, TX 75275-0384; 214-768-7323.

**M.B.E.** and the **Supplemental Certification in Bilingual Education and English as a Second Language** are offered through the Bilingual Education office. Both programs address the needs of teachers in bilingual classrooms and ESL classrooms, K-12. The M.B.E. degree is a 36-credit-hour interdisciplinary program for teachers of students who are limited in English proficiency. The certification program provides the 12 graduate credit hours required for the Texas supplemental certification in bilingual education and ESL. These supplemental certifications are also available with a Gifted and Talented focus. For additional information about SMU's bilingual education programs for teachers, contact the SMU Bilingual Education office at P.O. Box 750506, Dallas, TX 75275, or by phone at 214-768-2184. All state-approved supplemental certifications require examinations administered through the State Board of Educator Certification.

The **M.M.E.**, offered through Meadows School of the Arts, is designed for professionally employed educators in public or private schools; participants have the option to concentrate their studies in choral conducting, instrumental conducting, general music, or piano pedagogy.

#### **The Institute for Reading Research**

Patricia Mathes, **Texas Instruments Foundation Endowed Chair for Reading Research**

In a world in which the ability to read has become increasingly important to academic, personal, and professional success, poor literacy levels among diverse populations remain high. In 2002, SMU responded to this crisis with the creation of the Institute for Reading Research, whose primary mission is to promote reading skills through research in the development of reading interventions for children at-risk for failing to learn to read, children with mild to moderate mental retardation, and children who are either bilingual or who speak Spanish exclusively in the early primary grades. The Institute seeks to accomplish this mission by focusing on three main objectives: (1) to conduct and disseminate cutting-edge research related to reading and reading disabilities, language acquisition, and teaching and learning; (2) to provide leadership on a local and national level through the publication of research manuscripts, curricula, and coursework packages, and through the delivery of staff-development workshops; and (3) to provide leadership training to future educators, researchers, and statisticians through applied experiences in the execution of large-scale field-based research while also being committed to the delivery of programs and activities that serve the reading-enhancement needs of the community at large.

The institute was made possible, in part, through the generous support of the Texas Instruments (TI) Foundation, which has endowed the faculty chair and directorship of the institute. The TI Foundation has long been active in creating and funding programs that address the needs of academically at-risk children. For additional information, call 214-768-8477 or visit [www.smu.edu/ReadingResearch](http://www.smu.edu/ReadingResearch).

### **DIVISION OF HUMAN DEVELOPMENT**

#### **The Center for Dispute Resolution and Conflict Management**

Tony Picchioni, **Director**

Michael Collatrella, **Associate Director**

Mediation, negotiation, and conflict management are the focus of SMU's Dispute Resolution Certificate Program, Professional Seminar Series, and Master of Arts in

Dispute Resolution. The program provides formal training and practical experience in professional dispute resolution for use in corporate, civic, legal, domestic, religious, and educational settings. The program requires the completion of 21 credit hours for certification, and the Seminar Series offers frequent credit and noncredit workshops. Like the graduate certificate program, the Master's degree emphasizes the development of skills vital to the resolution of business, domestic, education, public policy, church, legal, and healthcare disputes. The program's quality and uniqueness stem, in significant measure, from its multidisciplinary approach to conflict management and its commitment to integrating ethics throughout the curriculum. Rooted in the social and behavioral sciences, the faculty and curriculum integrate such diverse fields as psychology, law, sociology, public policy, and economics.

The Master of Arts departs from the Certificate program in the depth and breadth of its curriculum and in its admission process. The Master's curriculum affords greater depth of study than that offered by the certificate program, additional specialization of skills, and a level of professional scholarship that allows graduates to contribute to as well as practice in the profession. The Master of Arts program requires the completion of 42 credit hours, 21 of which correspond with the Certificate Program's required curriculum and 21 of which comprise electives. Most of the electives offer focused study in singular applications of dispute resolution, and some are available exclusively to Master's degree students.

The Center for Dispute Resolution and Conflict Management is located at SMU-in-Legacy, 5228 Tennyson Parkway, Plano, TX 75024; 972-473-3435; [www.smu.edu/dispute\\_resolution](http://www.smu.edu/dispute_resolution).

#### **Master of Liberal Studies**

Kathi Watts, **Director**

**Master of Liberal Studies.** The Master of Liberal Studies graduate program provides a multidisciplinary approach to the study of the liberal arts. Choosing from a wide variety of courses in behavioral sciences, fine arts, humanities, science and culture, and social sciences, students design their own program of study to meet their personal and professional needs. The M.L.S. degree is open to persons holding a Bachelor's or higher professional degree from an accredited university or college. Thirty-six hours of graduate study must be completed within six years after beginning the program. For further information, contact the M.L.S. Office, Southern Methodist University, 6410 North Ownby, P.O. Box 750253, Dallas, TX 75275-0253; 214-768-4273; [www.smu.edu/mls](http://www.smu.edu/mls).

**Office of Nondegree Credit Studies** facilitates study by adult students who do not want to work toward a degree but want to take undergraduate or graduate credit courses in the day or evening. The admissions policies and procedures reflect the special needs and circumstances of part-time adult students. For more information, contact the Office of Nondegree Credit Studies, Southern Methodist University, 6410 North Ownby, P.O. Box 750382, Dallas, TX 75275-0382; 214-768-4272; [www.smu.edu/continuing\\_education/ndcs.html](http://www.smu.edu/continuing_education/ndcs.html).

#### **Noncredit Continuing Studies**

Amy Heitzman, **Director**

The noncredit Continuing Studies Office offers a variety of informal courses, seminars, lectures, conferences, certificate programs, and professional-development workshops. For additional information, see [www.continuingstudies.smu.edu](http://www.continuingstudies.smu.edu). Printed information is available from the Continuing Studies Office, Southern Methodist University, 6404 North Ownby, P.O. Box 750275, Dallas, TX 75275-0275. Call 214-768-8446.

**Informal Courses.** These courses of varying lengths address different cultural, scholarly, personal, and professional topics. Additional information is available at [www.smu.edu/informal](http://www.smu.edu/informal).

**Creative Writing Workshops.** Creative writing instructors, noted authors, and publishers lead noncredit writing workshops. Selected participants are invited to submit manuscripts for review by New York literary agents, editors, and publishing houses. Additional information is available at [www.creativewriting.smu.edu](http://www.creativewriting.smu.edu).

**International Languages.** Noncredit language-conversation courses typically include Spanish, French, Italian, German, Arabic, Russian, Mandarin Chinese, and Japanese. Additional information is available at [www.smu.edu/informal](http://www.smu.edu/informal).

**Graduate Test Preparation.** Study courses for the GRE, GMAT, and LSAT are offered throughout the year. Additional information is available at [www.smu.edu/testprep](http://www.smu.edu/testprep).

**Certificate Program in Financial Planning.** SMU offers a certification in this fast-growing professional field. Additional information is available at [www.smu.edu/cfp](http://www.smu.edu/cfp).

#### Youth and Pre-College Programs

Rebecca Hood and Marilyn Swanson, **Directors**

The Division offers five programs that serve the educational and enrichment needs of youth.

**College Experience** (offered through the Gifted Students Institute) allows a small and carefully chosen group of highly motivated and academically able high school students to get a head start on college and a taste of campus life through SMU credit opportunities available during the summer; [www.smu.edu/ce](http://www.smu.edu/ce).

**Talented and Gifted (TAG)** (offered through the Gifted Students Institute) provides intellectual challenges and cultural and social learning experiences to academically accelerated students completing the seventh, eighth, or ninth grade. TAG is a summer opportunity that offers both credit and noncredit courses; [www.smu.edu/tag](http://www.smu.edu/tag).

**Challenges** (offered through the Gifted Students Institute) nurtures the critical-thinking, reasoning, and problem-solving skills of children ages 5-12 through workshops grounded in science, music, math, and language.

**Academic Enhancement** offers a variety of workshops for students ages 5 through 18. Workshop topics include study skills, reading, test preparation, math/science, vocabulary, and writing. Additional information is available at [www.smu.edu/read](http://www.smu.edu/read).

**Summer Youth Program** offers one- and two-week special-interest enrichment workshops throughout the summer in the areas of technology, computers, multimedia, writing, art, math, science, literature, gaming, the Internet, study skills, leadership, and social skills. Additional information is available at [www.smu.edu/SummerYouth](http://www.smu.edu/SummerYouth).

# COX SCHOOL OF BUSINESS

## GENERAL INFORMATION

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### **VISION STATEMENT**

The mission of Edwin L. Cox School of Business is to improve its academic programs and reputation as a top-tier business school by providing a high-quality business education to its students and the business community, conducting research that contributes to the understanding of business and management, and participating in the service activities of the University and professional organizations.

### **GENERAL INFORMATION**

From its beginning as the Department of Commerce for Southern Methodist University, the Edwin L. Cox School of Business has been educating the country's business leaders for more than 85 years.

Named in 1978 in honor of Dallas businessman Edwin L. Cox, the Cox School has a rich heritage that began in 1920 when the SMU Board of Trustees established a Department of Commerce at the request of the Dallas business community. In 1921, the Department of Commerce was renamed the School of Commerce, and in 1941, the Board of Trustees established the School of Commerce as a separate entity from the University. At this point, the School of Commerce became the School of Business Administration and the new Bachelor of Business Administration degree (B.B.A.) was approved by the Trustees.

The graduate program at the School of Business Administration began in 1949 with the authorization of a Master of Business Administration (M.B.A.) program. At that time, students were granted an M.B.A. after successfully completing 30 hours of course work and a thesis. Both the B.B.A. and the M.B.A. degree programs are fully accredited by The Association to Advance Collegiate Schools of Business (AACSB International). The Cox School of Business also grants the Master of Science degree in Accounting.

In 1965, the SMU Foundation for Business Administration was established. This group of advisers has helped guide the Cox School throughout the years and today is known as the Executive Board. Also instrumental in supporting the Cox School are members of its two successful mentoring programs: the Associate Board for M.B.A. students and the Business Associates Program for B.B.A. students. These two boards involve almost 300 area business leaders who volunteer their time and expertise to the Cox School and its students who want to start making business connections for the future.

### **COX SCHOOL COMPLEX**

In 1952, ground was broken for the Joseph Wylie Fincher Memorial Building for the School of Business Administration, and for years the Fincher Building housed all activities in the Cox School. In 1987, two more buildings were added to the Cox School Complex — the Cary M. Maguire Building and the Trammell Crow Building.

Today the Fincher Building houses administrative and faculty offices, and conference and meeting rooms, while the Maguire and Crow buildings primarily house classrooms and study rooms. Hailed as one of the most technologically advanced business learning facilities in the country, the Cox School Complex has as its hub the Business Information Center (BIC), which combines the features of a university library with the immediacy of an online computer.

Through the BIC, Cox School students, faculty and staff have access to the latest business periodicals, instantaneous market information and news retrieval services. In addition, personal computers and printers in the BIC are available for students to use for presentations and papers.

In 2005 the Cox School opened the James M. Collins Executive Education Center, the region's premier resource to business professionals and executives, housing the Cox School's Executive and Management Development division, Executive MBA program, the Southwestern Graduate School of Banking, and the KPMG Institute for Corporate Governance.

## **CENTERS AND INSTITUTES**

### **The Edwin L. Cox Business Leadership Institute**

Paula Hill Strasser, **Director**

The Edwin L. Cox Business Leadership Institute develops leadership skills that are fundamental in the world of business. Through course and seminar offerings that complement the curriculum at the Cox School of Business, Cox B.B.A. students learn important fundamentals in effective business presentations, team building, integrity, leadership styles, and interpersonal communications.

While business education traditionally focuses on classroom teachings, the Cox School designed the Business Leadership Institute to take students beyond traditional textbook theories and into real-life business situations. The Business Leadership Institute assists students in enhancing personal effectiveness both on and off the job while creating lifelong benefits. Students who actively participate in the Business Leadership Institute understand the difference between those who lead and those who manage.

### **Division of Executive and Management Development**

Frank R. Lloyd, **Director**

SMU's Executive and Management Development programs focus on the importance of lifelong learning for practicing business leaders. The mission of the Division is to provide professional development opportunities to managers from around the world. The Division has established a reputation for designing programs that conform to both the professional and cultural needs of participants. Programs are available for many industries and audiences from sales professionals to high-level corporate executives.

Included in the Division's portfolio of in-residence programs for executives are "Management of Managers," a leadership renewal program, and seminars for senior managers in the oil and gas industry.

The Division also offers two management certificate programs designed for Dallas-area managers. "The SMU Mid-Management Program" is a 12-week evening series for mid-level managers who want to strengthen their foundation in current business theory and practice. "The SMU First-Line Management Program" is a nine-week evening series aimed at helping supervisors and new managers develop their managerial skills.

A variety of two- and three-day short courses also are offered by the Division, covering management, leadership, sales, marketing, accounting and finance.

In addition to these public seminar offerings, the Division of Executive and Management Development develops and delivers customized versions of its programs on a contract basis to a wide variety of companies.

The Division annually conducts the SMU/Cox Summer Business Institute. This month-long "boot camp" for college juniors, seniors and recent graduates provides essential business skills to nonbusiness students from colleges and universities throughout the region.

### **The Center for Marketing Management Studies**

Daniel J. Howard, **Director**

The Center for Marketing Management Studies was created to serve as a focal point for interaction among faculty, practitioners, and students who share a common interest in applied marketing management research and education. The Center sponsors research and educational programs in marketing management.

Since 1989, the Center has sponsored the Graduate Marketing Certificate Program, designed to provide Dallas-area business people with the latest in marketing thought and practice. This series of sessions is held on Monday nights throughout the school year.

### **The Caruth Institute (an Entrepreneurship Center)**

Jerry F. White, **Director**

The Caruth Institute of Owner-Managed Business helps students learn what it takes to build and run a business, from dealing with the uncertainties and opportunities of the marketplace to obtaining the venture capital needed to make an enterprise a reality.

Courses offered through the Caruth Institute cover a wide variety of topics to help identify and seize windows of opportunity.

### **The Center for Research in Real Estate and Land Use Economics**

William B. Brueggeman, **Director**

The Center was created in 1984 as a research entity with a focus on major issues in the real estate industry. It is currently engaged in a number of projects including the federal income taxation of housing and real estate development, real estate investment performance in pension fund portfolios, database management and valuation in urban property tax jurisdictions, and related problems. The Center also acts as a conduit for research grants and proposals for management programs, which it conducts through the Costa Institute of Real Estate Finance and the Folsom Institute for Development and Land Use Policy.

### **The Maguire Energy Institute**

The Maguire Energy Institute promotes the study of policy, marketing, and management issues that affect oil, natural gas, and electricity. Founded by Cary Maguire, chairman and president of Maguire Oil Company, the Institute is a leading-edge resource for energy industry information and facilitates the exchange of ideas among students, businesses, the media, and government officials.

Students can participate in courses, workshops, and seminars. The Institute also conducts research and analysis, publishes a quarterly newsletter on important policy issues, and focuses on exploring innovative ways to improve management of the world's oil and gas resources.

### **JCPenney Center for Retail Excellence**

Edward J. Fox, **Director**

The JCPenney Center for Retail Excellence was created with a generous gift from the JCPenney Company to promote, develop, and integrate retail education and practice.

### **American Airlines Center for Labor Relations and Conflict Resolution**

Robin L. Pinkley, **Director**

The Center teaches students to successfully resolve disputes, negotiate salaries, and resolve critical business situations. Courses and research focus on partnering

(aligning the interests of both sides), proactive negotiating, and adding value to negotiations to improve outcomes. Ongoing research explores the newest and most effective techniques in negotiation.

**KPMG Institute for Corporate Governance**

Wayne Shaw, **Director**

The KPMG Institute for Corporate Governance emphasizes the importance of integrity and ethics in the business community. The Institute develops multidisciplinary courses that explore ethical decision-making and corporate governance, preparing students to understand the choices they make and how those decisions affect the governance structure of their firm.

## ADMISSION

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*For detailed information regarding Southern Methodist University's admission requirements, regulations, and procedures, see the Admission section of this catalog.*

### **ADMISSION OF SMU STUDENTS TO THE B.B.A. PROGRAM AS A MAJOR OR MINOR AT SMU**

*(The exception to Cox admission requirements is the B.B.A. Scholars Program described on page 249.)*

1. Completion of a minimum of 42 hours in good academic standing.
2. A minimum G.P.A. of 3.20 is required on the FIRST ATTEMPT of the following subset of courses, which must be successfully completed (no Fs on the subset) at SMU:

ENGL 1301 and 1302

ECO 1311 and 1312

MATH 1309 or 1337

ACCT 2311

ITOM 2305 or STAT 2301 or 2331 or EMIS 5370

The grade used to calculate the subset G.P.A. will be the FIRST graded attempt of each course. No exceptions will be granted and no make-up courses or second attempts will be allowed for purposes of admission into the degree program.

Students applying for the major who do not achieve a 3.20 G.P.A. on the original seven-course subset may request re-evaluation on the basis of the original subset plus a first attempt at SMU of ACCT 2312. Students must achieve a minimum 3.20 G.P.A. on the eight-course subset to be admitted as a major in business.

SMU pre-business students should be aware that in order to register for upper-level Cox classes (3000, 4000, 5000) they must first successfully complete **all** B.B.A. admission requirements.

A Change of Academic Program form should be requested from the records office of the school from which the student is transferring. This is to be forwarded with the student's academic record to the Edwin L. Cox School of Business for review. Students entering Cox with 54 hours or more may require an additional semester or semesters to complete major requirements.

First-year applicants with no previous college work should submit an Application for Admission to the SMU Office of Enrollment Services and follow the University requirements for admission as stated on page 16.

### **ADMISSION OF EXTERNAL TRANSFER STUDENTS TO THE B.B.A. PROGRAM**

Transfer students applying for admission to the Edwin L. Cox School of Business by transfer of credits from other colleges of recognized standing should submit an Application for Admission to the Office of Enrollment Services, Southern Methodist University, Dallas TX 75275, by July 1 for the fall term and by December 1 for the spring term.

*Admission requirements for external transfer students from an accredited four-year or two-year institution:*

1. Completion of a minimum of 42 term hours of transferable academic college credit (excluding activity-related physical education) and minimum cumulative academic G.P.A. of 2.50.
2. A minimum G.P.A. of 3.20 is required on the first attempt of the equivalent of the following seven courses (no Fs allowed):

ENGL 1301 and 1302

ECO 1311 and 1312

MATH 1309 or 1337

ACCT 2311  
ITOM 2305 or STAT 2301 or STAT 2331

Current University grading policy, as summarized under “Academic Forgiveness” in the University Registration and Academic Records Standards section of this catalog, permits forgiveness of academic work taken 10 or more years prior to the term of admission. Academic work forgiven under this policy will not be included in the G.P.A.

Transfer students should be aware that in order to register for upper-level Cox B.B.A. classes, they must first successfully complete all B.B.A. admission requirements.

### **STATUTE OF LIMITATIONS**

If a student discontinues an academic program from the Cox School at SMU for at least three years (excluding summer school), upon readmission the degree and admission requirements will be subject to those in the current bulletin.

### **ACCEPTANCE OF TRANSFER CREDIT**

A prospective transfer student must present to the Office of Enrollment Services official transcripts containing a full record of all previous college work attempted. Failure to provide full records of all work is grounds for dismissal from the Cox School. To avoid delay, a student should forward transcripts to the SMU Office of Enrollment Services no later than July 1 for the fall term and December 1 for the spring term.

In general, transfer credit will be accepted for degree credit only if the courses completed are equivalent in content to those offered at SMU and if the university’s school of business at which the courses were completed is accredited by The Association to Advance Collegiate Schools of Business (AACSB International). In the case of transfer credit completed at a junior college, only those courses with equivalents at the first-year and sophomore level at SMU (1000- and 2000-level courses) will be accepted for degree credit. The Cox School will grant a maximum of 3 or 6 credit hours for transferred Introductory Accounting.

Prior to matriculation, the Cox School of Business will accept transfer business credit toward the B.B.A. degree from schools accredited by AACSB International regardless of the student’s classification.

Courses completed with a grade of *D+* or less or those completed without letter grades (Pass/Fail or Satisfactory/Unsatisfactory) will not be transferred for any degree credit. Grades earned elsewhere will be considered for admission purposes and in determining graduation with honors.

Students enrolled in the Cox School who are seeking to fulfill any portion of their degree requirements through transfer credit must file a petition for approval of their intentions with the Undergraduate Office in 252 Maguire Building prior to enrollment for such courses. With the approval of the appropriate SMU departmental chair, SMU students may complete a maximum of 15 transfer hours for degree credit. Matriculated students must complete all required business courses in residence. Exceptions to this policy require concurrent approval of the Associate Dean for Undergraduate Studies, the appropriate Department Chair, and the BBA Director of Advising and Student Records.

Students are cautioned to check the current SMU bulletin before enrolling in courses at other institutions and to verify transferability with the appropriate offices. Regardless of the number of acceptable transfer hours, at least 60 hours of the total 122 baccalaureate hours must be completed in residence at SMU. Of the 48 required business hours, a minimum of 30 must be completed in residence in the Cox School

**252** Cox School of Business

Detailed information regarding enrollment procedures, orientation, student file number, name changes, address changes, transcript service, classification of students, changes of school, policies for adding and dropping courses and for auditing classes, enrollment for no credit, class attendance, withdrawal from the University, final examinations, term-hour loads, grading policies, and grade reports is included in the University Enrollment and Academic Records section of this catalog.

# ACADEMIC REGULATIONS

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## **DEGREE REQUIREMENTS**

The degree of Bachelor of Business Administration (B.B.A.) will be conferred upon the student completing the appropriate 122 term hours of approved credits. An overall G.P.A. of at least 2.00 must be maintained on all SMU work attempted, a minimum G.P.A. of 2.00 must be maintained on all SMU business course work attempted, and a minimum G.P.A. of 2.00 on all business course work attempted within a student's declared major.

Undergraduate business students admitted to the Cox School's B.B.A. Program will be allowed to complete a maximum of 54 business hours (except for Accounting majors and Business and Financial Reporting majors who can take up to 57 and 60 business hours respectively), which will include statistics and exclude economics. Business hours earned through any of SMU's international programs or directed studies will be exempted from the 54-business-hour limit. All B.B.A. students must complete 30 business hours in residence at the Cox School. Students will be allowed to exceed the 54-, 57-, or 60-hour limit if necessary to comply with residency requirements.

A student must satisfactorily meet all course and credit requirements of the Cox School. See "Admission" at the beginning of the Cox section of this catalog.

The Edwin L. Cox School of Business adheres to The Association to Advance Collegiate Schools of Business (AACSB International) standards of accreditation.

B.B.A. students must meet the following residence requirements:

1. Of the 122 minimum required term credit hours, at least 60 hours must be completed in residence at SMU.
2. Of the 48 hours of business credit, a minimum of 30 must be completed in residence in the Cox School.

A student must make formal application for the degree by filing an application for candidacy to graduate with the Undergraduate Office of the Cox School. Applications are available in 252 Maguire Building and should be filed before the final term of course work. Consult the University Calendar for the deadline.

In addition to the student's fulfilling all academic requirements, the Cox School may consider any judicial or disciplinary matters before any degree may be conferred. A student must meet all financial obligations to the University in order to receive his or her diploma and copies of his or her transcript.

# PROGRAMS OF STUDY

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## **CURRICULUM**

The requirements summarized below must be satisfied to earn the Bachelor of Business Administration Degree. A core of required fundamental courses has been designed by the faculty of the Cox School. This core of courses is specified below. Each core course must be passed for a student to be eligible for graduation. Generally, Calculus, English, Economics, and Information Technology should be completed in the student's first year; Accounting, Managerial Statistics, and Information Systems requirements in the sophomore year; Finance, Legal Environment and Ethics, Marketing, Management, and Operations Management requirements in the junior year; and the Business Strategy requirement (STRA 5370 or CISB 5397, also known as Capstone courses) in the senior year.

With the exception of the required Accounting courses (ACCT 2311, 2312) and the required Statistics and Information Systems courses (ITOM 2305 or STAT 2301 or 2331 or EMIS 5370), no student will receive credit for any business course unless he or she has attained junior standing (or a minimum of 47 academic hours completed toward the B.B.A. degree from SMU) prior to taking the course.

Students are responsible for designing their own degree programs with assistance from one of the Cox academic advisers. Close attention should be given to course and knowledge prerequisites as well as course content to maximize the value of each course and to avoid the possibility of enrolling in a course with insufficient preparatory background. It is expected that students will consult with faculty and academic advisers in determining their course selections.

All students admitted to the Cox School should have an initial advising appointment with one of the academic advisers in the Undergraduate Office and in each succeeding term leading up to graduation.

Each student's file, reflecting his or her total academic record, is located in the Undergraduate Office, 252 Maguire Building. Transcripts of the student's official record should be requested from the Office of the Registrar.

## **ADVISING**

The undergraduate program of the Cox School of Business is strongly committed to the academic advising process and believes that advising is effective only if the adviser and the advisee assume equal responsibility. Cox academic advisers are available in 252 Maguire Building for student appointments. When students are admitted to the Cox B.B.A. Program, an initial academic advising appointment should be scheduled early in the semester with a Cox adviser. During the first week of each semester, Cox advisers are available on a walk-in basis to B.B.A. students. The students are required to see a Cox adviser for an individual appointment prior to each registration.

Students are not assigned to a specific adviser. Many students prefer to meet with the same adviser, but it is the student's choice when his or her appointment is scheduled to either express a preference for a particular adviser or schedule with whomever is next available.

The electronic degree progress report (eDPR) is a computerized degree plan each student should request online no more than 24 hours before the scheduled advising appointment, examine carefully, and bring to the advising meeting. It is the student's responsibility to help assure the eDPR's accuracy. After meeting with an adviser, students register, swap, and drop on ACCESS.smu, a Web-based records and registration system. The BBA Director of Advising and Student Records will add students to a closed class only if the student is a graduating senior and there is no further opportunity to complete a major requirement.

Cox faculty members provide assistance in the areas of their professional exper-

tise, offering guidance in selecting and sequencing courses appropriate for meeting specific academic and career goals.

**CAREER COUNSELING**

In conjunction with the University’s Hegi Family Career Development Center, the office of Undergraduate (BBA) Career Services focuses on providing exposure to various careers and helping students learn lifelong, career decision-making and job search skills. In addition to individual appointments, each semester a number of special events and workshops are offered to BBAs such as: career fairs, business dining etiquette, resume and interviewing tips, networking skills, internship and job search resources.

The primary focus is to help students early in their college education to identify and explore careers in relation to their own values, interests, personality, and skills. The goal is to help students have more direction regarding their career interests, and therefore, better manage selecting a major and activities, and pursuing internships and full-time positions.

Career-related experience, often referred to as “internships,” is encouraged and considered a key component of the undergraduate experience at Cox. SMU’s location in Dallas allows students to pursue both part-time internships during the academic year and part- and/or full-time internships during the summer worldwide. Over 90 percent of the internships are paid.

Students are encouraged to make an appointment with a career counselor the semester they are accepted to Cox. Since meeting with a career counselor is NOT required, taking the initiative to do so early is up to the student and also encouraged by faculty and staff. The three counselors available exclusively to Cox BBAs are conveniently located in Maguire 254.

**BUSINESS ASSOCIATES PROGRAM**

The Business Associates Program (BAP) is a corporate mentoring experience that pairs business undergraduates one-on-one with executives in the Dallas-area business community. The program enhances a student’s collegiate experience by providing firsthand insights into the business world while teaching the value of effective networking.

Eligibility for the program requires a declared major in business, junior or senior status, and good academic standing. B.B.A. students on academic probation are not eligible to participate. After acceptance into the program, students are matched with a mentor for an academic year. Students are eligible to participate during their junior and senior years.

**B.B.A. HONORS PROGRAM**

The Cox B.B.A. Honors Program is designed to enable outstanding business students to participate in an enhanced curriculum that challenges their intellectual abilities and sharpens their professional skills. A small class size promotes greater interaction between students and professors which, in turn, leads to a more meaningful educational experience. The Cox School offers honors sections of the following required business courses:

	<i>Fall</i>	<i>Spring</i>
Sophomores	ACCT 2311 ITOM 2305	ACCT 2312 ITOM 2308
Juniors	FINA 3320 MKTG 3340	ITOM 3306 MNO 3370
Seniors	STRA 5370	Senior Seminars

The sophomore sections of honors business courses are available to declared Business and Pre-Business students who have a minimum 3.6 cumulative G.P.A. Students who have a 3.6 cumulative SMU G.P.A. and/or all-college G.P.A., and Business School G.P.A. by the spring of their sophomore year and have been officially admitted to the Cox School are eligible to apply for the Cox B.B.A. Honors Program. Those in the Program who achieve a 3.6 G.P.A. in a minimum of four honors courses (three of which must be at the junior/senior level) and a 3.6 cumulative SMU G.P.A. will receive an honors notation (“Honors in Business”) on the transcript and diploma. The Cox Honors distinction is separate from the *cum laude* distinctions awarded at graduation.

Cox accepts a maximum of 30 of the best qualified students to the Honors Program once a year in the spring. Pre-business students with an interest in the Cox B.B.A. Honors Program must stay on track for admission to Cox by the beginning of the spring term of their sophomore year; this is the only time that Cox will consider their applications for admission to the Honors Program.

See the “Course Descriptions” section for further information about the courses.

### **BUSINESS SCHOLARS PROGRAM**

The Business Scholars Program affords numerous special opportunities including networking with Cox faculty and the Dallas business community, invitations to special events, and tailored academic advising and career services. Participation in this program enhances students’ educational experience and helps develop the skills and connections necessary for professional success.

Admission to the Business Scholars Program is by invitation only. Students are invited to join the program after they have been admitted to SMU, and must accept their invitation no later than May 1 prior to SMU matriculation in the following fall. Students who accept admission to the Business Scholars Program are pre-selected for admission to the academic programs in the Cox School of Business and will transfer into Cox during their first semester at SMU.

Business Scholars are encouraged to apply for the B.B.A. Honors Program in the spring of their sophomore year; however, admission to the Business Scholars Program does not guarantee admission to the B.B.A. Honors Program. Admission to the Business Scholars Program is based on achievement prior to SMU admission; admission to the B.B.A. Honors Program is based on achievement at SMU.

### **BUSINESS ADMINISTRATION REQUIREMENTS**

All candidates for the Bachelor of Business Administration degree must satisfy the following requirements:

General Education Curriculum: 41 hours

Please see the General Education Curriculum section of this catalog for information on this requirement.

<b>Business Core requirements</b>	<b>Credit Hours</b>
<b>ACCT 2311, 2312</b> Fundamentals of Accounting I and II	6
<b>ITOM 2305</b> Managerial Statistics	3
or <b>STAT 2301</b> or <b>2331</b> or <b>EMIS 5370</b>	
<b>ITOM 2308</b> Information Systems for Management	3
<b>FINA 3320</b> Financial Management	3
<b>LT 3335</b> Introduction to Legal Environment and Ethics	3
<b>ITOM 3306</b> Operations Management	3
<b>MKTG 3340</b> Fundamentals of Marketing	3
<b>MNO 3370</b> Management of Organizations	3
<b>STRA 5370</b> Strategic Management in a Global Economy	3
or <b>CISB 5397</b> Entrepreneurship I — Starting A Business	