

# European Studies

College of Humanities and Social Sciences

## PROGRAM COORDINATOR

Cora A. Granata (History)

## PROGRAM OFFICE

Humanities 815F

## PROGRAMS OFFERED

Bachelor of Arts in European Studies  
Minor in European Studies

## PROGRAM WEBSITE

<http://hss.fullerton.edu/history/european>

## PROGRAM COUNCIL

Gayle Brunelle (History), Jochen Burgtorf (History), Angela Della Volpe (H&SS Associate Dean for Programs), Nancy Fitch (History), Juan Carlos Gallego (Modern Languages and Literatures), Joe Gonzalez (Liberal Studies), Cora A. Granata (History, Program Coordinator), Irene Lange (Coordinator, International Business), Lynn Sargeant (History)

## PARTICIPATING FACULTY

Renaë Bredin (Women's Studies), Gayle Brunelle (History), Jochen Burgtorf (History), Edward Castronova (Economics), Vincent Dropsy (Economics), Nancy Fitch (History), Mark Goodrich (Music), Cora A. Granata (History), Jane Hipolito (Comparative Literatures), Ben Hubbard (Comparative Religions), Steven Jobbitt (History), Irene Lange (International Business), Paul Levesque (Comparative Religions), Wayne Engstrom (Geography), Robert McLain (History), Susan Parman (Anthropology), Kenneth Ravissa (Kinesiology), Lynn Sargeant (History), Steve Walk (Kinesiology), Larry Ward (Communications), most regular faculty members in the English Department, most regular faculty members in Modern Languages & Literatures who specialize in European languages, and most regular faculty members in the Philosophy Department

## ADVISER

Professor Cora A. Granata

## INTRODUCTION

European Studies is an interdisciplinary program designed for students whose interests and career objectives are in areas such as business, journalism, entertainment, government service, law or education, as well as those who plan to study some aspect of the European experience at the graduate level. The program provides students already majoring in an existing discipline or department (i.e., history, business, art, economics, philosophy, etc.) the opportunity to have a second major or a related minor. In addition, the program fulfills the various cultural objectives common to any liberal arts program. It would be a particularly good choice for students seeking teaching credentials.

The program has eight learning objectives: (1) to understand holistically the historical development of European politics, economics, society and culture; (2) to recognize and analyze the contributions of cultural diversity to Europe's past and present; (3) to relate European regional developments to the global forces shaping developments in other world regions; (4) to identify the particular approaches of specific academic disciplines that study Europe; (5) to evaluate the advantages and disadvantages of specific disciplinary approaches to regional studies; (6) to synthesize from across the humanities and social sciences the multiple disciplinary approaches to the regional study of Europe; (7) to communicate both in writing and orally in a stylistically and grammatically correct manner in order to articulate the information learned in the program; (8) to think critically and to comprehend, analyze and synthesize information from a variety of primary and secondary sources, including written sources, images and film.

## ADMITTANCE TO THE PROGRAM

Students wishing to be admitted to the major in European Studies must have acquired at least intermediate-level competency in a European language other than English. Further, they must have a solid foundation in Europe's geography, society and culture.

### Upper-Division European Language Requirement

Intermediate-level competency in a foreign language, equivalent to the intermediate language courses numbered 204 in the Department of Modern Languages and Literatures, is a prerequisite to the upper-division European language requirement. It is therefore strongly recommended that students complete a minimum of three years of foreign language study while in high school.

Completion of an advanced composition and grammar course is a core requirement for all European Studies students. In addition, majors must complete an additional upper-division foreign language class selected from those listed in the student's advisement track.

Students should enroll at the point in the sequence of courses for which their previous study and/or experience has prepared them. Students with no language background should enroll in fundamental 101-level courses. Normally, two years of high school language study are considered to be equivalent to one year of college language. Students just completing two years of high school language should begin at the 200-level intermediate courses.

European languages available at CSUF are French, German, Portuguese and Spanish. Students wishing to pursue other European languages may enroll in appropriate courses at other CSU or UC campuses or transfer credits from other accredited language programs.

Students may also meet the language requirement by passing a proficiency exam administered by the European Studies Program Coordinator.

### **European Studies Foundation Courses and General Education**

Students wishing to be admitted to the major in European Studies must have a solid foundation in Europe's geography, society and culture. Thus, we recommend that students choose from the following European Studies Foundation Courses when selecting their General Education (G.E.) coursework. (G.E. requirements fulfilled by each European Studies Foundation Course are listed in italics.)

- History 110A World Civilization to the 16th Century  
*Historical and Cultural Foundations Part A (II.A)*
- History 110B World Civilization since the 16th Century  
*Historical and Cultural Foundations Part A (II.A)*
- Geography 100 Global Geography  
*Disciplinary Learning Introduction to the Social Sciences (III.C.1)*
- Economics 201 Principles of Microeconomics  
*Disciplinary Learning Introduction to the Social Sciences (III.C.1)*
- Economics 202 Principles of Macroeconomics  
*Disciplinary Learning Implications and Explorations in the Social Sciences (III.C.2)*
- Art 201A Art and Civilization  
*Disciplinary Learning Introduction to the Arts (III.B.1)*
- Art 201B: Art and Civilization  
*Disciplinary Learning Introduction to the Arts (III.B.1)*
- History 230 The Ascent of Man  
*Disciplinary Learning Implications and Explorations in Mathematics and Natural Sciences (III.A.3)*
- Music 103 History of Rock Music  
*Disciplinary Learning Implications, Explorations and Participatory Experience in the Arts and Humanities (III.B.3)*
- Women's Studies 205 Gender and Globalization  
*Lifelong Learning (IV)*
- Comp Lit 110 Literature of the Western World from Ancient through Medieval Times  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*
- Anthro 100 Non-Western Culture and the Western Tradition  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*
- Comp Lit 111 Literature of the Western World from the Renaissance through the 19th Century  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*
- Comparative Religion 200 Introduction to Christianity  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*
- Comparative Religion 210 Introduction to Judaism  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*

Philosophy 290 History of Philosophy: Greek Philosophy  
*Disciplinary Learning Introduction to the Humanities (III.B.2)*

### **BACHELOR OF ARTS IN EUROPEAN STUDIES**

The major consists of 39 upper-division units including a required set of core courses (18 units) and an elective component (21 units). At least 12 but not more than 15 units in the elective component must be drawn from one of the five advisement tracks: (1) European Culture, Religion and Philosophy; (2) European Fine Arts and Literatures; (3) European History, Politics and Society; (4) Communications, Business and Economics in Europe; and (5) Thematic Plan in European Studies.

#### **Required Core Courses (18 units)**

##### ***Geography (3 units)***

Geography 336 Europe (3)

##### ***History (3 units)***

Anthropology 320 Cultures of Europe (3)

Economics 351 European Economic History (3)

History 320 Modern European History (1789-present) (3)

Poli Sci 330 Politics in Nation-States (3)

#### ***Upper-Division European Language Requirement (6 units minimum)***

With the approval of the Program Coordinator, students wishing to pursue European languages other than those offered at CSUF may satisfy these requirements by enrolling in comparable courses at other CSU or UC campuses or by transferring credits from other accredited language programs.

##### ***1. Composition and Grammar (3 units)***

*One course in advanced composition and grammar in a European language other than English.*

French 307 Advanced Composition & Grammar (3)

OR French 308 Advanced Composition and Grammar (3)

German 305 Advanced Conversation & Composition (3)

Portuguese 317 Advanced Conversation & Composition (3)

Spanish 301 Advanced Grammar and Composition (3)

##### ***2. Upper-Division Specialty Course (3 units)***

One advanced Modern Languages & Literatures specialty course selected from those listed in the student's advisement track.

#### ***Upper-Division Writing Requirement (3 units)***

European Studies does not offer its own upper-division writing course. Instead, students take an approved writing course in one of the program's constituent departments. For a European Studies major with a declared minor, the writing course in that minor will satisfy this requirement. For double majors, the writing requirement will be satisfied by taking the writing course in the second major.

#### ***European Studies Senior Colloquium (3 units)***

European Studies 490 European Studies Senior Colloquium (3)

**Upper-Division Elective Courses (21 units, at least 12 but no more than 15 of which must be drawn from ONE of the following advisement tracks)**

Established department prerequisites for courses in the advisement tracks will not be waived for European Studies students.

Special topics, variable topics, and new courses, when such courses deal in some significant way with the European experience, may be approved for European Studies credit at the discretion of the Program Coordinator.

Advisement Tracks are designed to help students in their career and educational planning. The tracks represent central concentrations within the field of European Studies. While students gain their core knowledge of the category “Europe” by taking the European Studies Core Requirements, the advisement tracks allow students to develop further specialization in one of five central aspects of the European experience.

**ADVISEMENT TRACK ONE: EUROPEAN CULTURE, RELIGION & PHILOSOPHY**

This track is particularly useful for students whose career objectives are in education, as well as those who plan to study some aspect of the European experience at the graduate level. Students choosing Advisement Track One gain expertise in the changing, contested definitions of European cultural identity. They have the opportunity to examine further the philosophical and religious underpinnings of European culture and to explore how Europeans have defined cultural insiders and outsiders based on ethnicity, race, religion, class and gender.

- Afro-Ethnic Studies 335 History of Racism (3)
- Anthro 320 Cultures of Europe (3)  
(unless selected to fulfill core requirements)
- Comparative Religion 345A History and Development of Early Christian Thought (3)
- Comparative Religion 345B History and Development of Modern Christian Thought (3)
- Comparative Religion 346A History and Development of Jewish Thought: Biblical and Rabbinical Eras (3)
- Comparative Religion 346B History and Development of Jewish Thought: Medieval and Modern Eras (3)
- French 315 Origins of Modern France (3)
- French 325 Contemporary French Civilization (3)
- German 315 Introduction to German Civilization (3)
- German 325 Current Trends in Culture of German-Speaking Peoples (3)
- Kinesiology 380 History and Philosophy of Human Movement (3)
- Kinesiology 381 Sport, Games, and Culture (3)
- Philosophy 300 History of Philosophy: Rationalism and Empiricism (3)
- Philosophy 301 History of Philosophy: Kant and the 19th Century (3)
- Philosophy 303 Introduction to the Philosophy of Science (3)
- Philosophy 311 Aesthetics: Philosophy of Art and Beauty (3)
- Philosophy 323 Existentialism (3)
- Philosophy 324 Existential Group (3)

- Philosophy 345 Social and Political Philosophy (3)
- Philosophy 348 Philosophy of Religion (3)
- Philosophy 355 Philosophy of Law (3)
- Philosophy 380 Analytic Philosophy: 1900 to 1950 (3)
- Philosophy 381 The Analytic Tradition: 1950 to the Present (3)
- Philosophy 382 Marx and Marxism (3)
- Philosophy 383 Postmodernism (3)
- Philosophy 410 Ethical Theory (3)
- Philosophy 420 Metaphysics (3)
- Philosophy 430 Epistemology (3)
- Philosophy 440 Philosophy of Mind (3)
- Portuguese 320 Introduction to Luso-Brazilian Culture & Civilization (3)
- Spanish 315 Introduction to Spanish Civilization (3)
- Spanish 415 Contemporary Spanish Culture (3)
- Women’s Studies 302 Introduction to Intercultural Women’s Studies (3)

**ADVISEMENT TRACK TWO: EUROPEAN FINE ARTS AND LITERATURE**

This track is particularly useful for students whose career objectives are in the fine arts, entertainment, as well as those who plan to study some aspect of the European experience at the graduate level. Students choosing Advisement Track Two gain expertise in the production and analysis of high cultural artifacts in art, literature, music, oratory, and theatre. This track also allows students to examine the works of cultural minorities and women in fine arts and literature.

- Art 301 Ancient Art (3)
- Art 302 Medieval Art (3)
- Art 311 Foundations of Modern Art (3)
- Art 312 Modern Art (3)
- Art 320 History of Architecture Before the Modern Era (3)
- Art 401 History of Women Artists (3)
- Art 413 History of Contemporary Art (3)
- Art 431 Renaissance Art (3)
- Comp Lit 315 Classical Mythology in World Literature (3)
- Comp Lit 373 Nineteenth-Century Russian Literature (3)
- Comp Lit 374 Twentieth-Century Russian Literature (3)
- Comp Lit 450 Medieval Literature (3)
- Comp Lit 451 Literature of the Renaissance (3)
- English 315 Chaucer (3)
- English 316 Shakespeare (3)
- English 317 Milton (3)
- English 374 The Gothic Novel (3)
- English 416 Studies in Shakespeare (3)
- English 450 Medieval Literature (3)
- English 451 Elizabethan and Jacobean Drama (3)
- English 452 Elizabethan Poetry and Prose (3)

- English 453 17th-Century Poetry and Prose (3)
- English 454 The Drama of the Restoration & the 18th Century (3)
- English 455 Restoration and 18th Century Poetry and Prose (3)
- English 456 The Development of the English Novel through Jane Austen (3)
- English 457 The Romantic Movement in English Literature (3)
- English 458 Victorian Literature (3)
- English 459 Development of the 19th Century English Novel (3)
- English 462 Modern British and American Novels (3)
- English 463 Contemporary Novels in English (3)
- English 464 Modern British and American Drama (3)
- English 465 Contemporary Drama in English (3)
- English 466 Modern British and American Poetry (3)
- English 467 Contemporary Poetry in English (3)
- English 491 Traditions of English Literary Criticism (3)
- English 492 Modern Critical Theory (3)
- Human Comm 430 Classical Rhetoric (3)
- Human Comm 432 Contemporary Rhetoric (3)
- Modern Languages & Literatures: Any adviser-approved upper-division course taught in a European language other than English. (3 or more)
- Music 305 Women in Music (3)
- Music 351A History and Literature of Western Music (3)
- Music 351B History and Literature of Western Music (3)
- Music 351C History and Literature of Western Music (3)
- Music 456 Opera Literature (3)
- Music 457A Song Literature (3)
- Music 457B Song Literature and Interpretation (3)
- Theatre 388 Period Styles and Form for the Theatre (3)
- Theatre 475A World Theatre (3)
- Theatre 475B World Theatre (3)
- Theatre 475C World Theatre (3)
- Theatre 475E World Theatre (3)
- ADVISEMENT TRACK THREE: EUROPEAN HISTORY, POLITICS & SOCIETY**
- This track is particularly useful for students whose career objectives are in government service, law, as well as those who plan to study some aspect of the European experience at the graduate level. Students choosing Advisement Track Three gain further expertise in the historical evolution of European political institutions and social relations. This track also allows students to examine European ethnic, gender, and class relations from historical, political and sociological perspectives.
- Criminal Justice 450 Organized Crime and Intelligence Analysis (3)
- French 315 Origins of Modern France (3)
- French 325 Contemporary French Civilization (3)
- German 315 Introduction to German Civilization (3)
- German 325 Current Trends in Culture of German-Speaking Peoples (3)
- History 311 World War II (3)
- History 320 Modern European History (3)  
(unless selected to fulfill core requirements)
- History 331 History of Science: Copernicus to the Present (3)
- History 395 A History of the First World War (3)
- History 402 Ancient and Medieval Britain (3)
- History 403 Tudor-Stuart England (3)
- History 404 History of Modern England and Great Britain (3)
- History 405 History of the Jews (3)
- History 406 The Holocaust (3)
- History 409 Cities in European Civilization, 1000-1915 (3)
- History 415A Classical Greece (3)
- History 417A Roman Republic (3)
- History 417B Roman Empire (3)
- History 420 The Byzantine Empire (3)
- History 421A History of the Christian Church to the Reformation (1517) (3)
- History 421B History of the Christian Church from the Reformation to the Present (3)
- History 423 Medieval History, 300-1350 (3)
- History 424T Gender and Sexuality in History (3)
- History 425A The Renaissance (3)
- History 425B The Reformation (3)
- History 427 Enlightenment and Revolution (3)
- History 428 The Rise and Decline of Liberal Europe in the 9th Century (3)
- History 429A Europe 1890-1945 (3)
- History 429B Europe Since 1945 (3)
- History 432 From Bismarck to Hitler: Modern Germany 1870-1945 (3)
- History 434A Russia to 1801 (3)
- History 434B Modern Russia and the Soviet Regime (3)
- Poli Sci 330 Politics in Nation-States (3)  
(unless selected to fulfill core requirements)
- Poli Sci 340 Political Philosophy (3)
- Poli Sci 350 World Politics in the 21st Century (3)
- Poli Sci 438 Western European Democracies (3)
- Poli Sci 457 Politics of International Economics (3)
- Poli Sci 461 The United Nations and International Organization (3)
- Poli Sci 476 International Law (3)
- Portuguese 320 Introduction to Luso-Brazilian Culture & Civilization (3)
- Psychology 408 History of Psychology (3)
- Sociology 410 Theories of Social Behavior (3)

Spanish 315 Introduction to Spanish Civilization (3)

Spanish 415 Contemporary Spanish Culture (3)

#### **ADVISEMENT TRACK FOUR: COMMUNICATIONS, BUSINESS & ECONOMICS IN EUROPE**

This track is particularly useful for students whose career objectives are in business, journalism, as well as those who plan to study some aspect of the European experience at the graduate level. Students choosing Advisement Track Four develop further expertise in the changing impact of European economic integration on global trade, communications and finance.

Economics 330 Comparative Economic Systems (3)

Economics 331 Economies in Transition (3)

Economics 335 The International Economy (3)

Economics 351 European Economic History (3)  
(unless selected to fulfill core requirements)

Economics 411 International Trade (3)

Economics 431 International Macroeconomics and Growth (3)

Economics 450 History of Economic Thought (3)

Finance 370 International Business Finance (3)

French 310 French in the Professional World (3)

French 311 French for International Business (3)

French 407 French Film (3)

German 310 German in the Business World (3)

German 311 German for International Business (3)

German 482 German Literature & Culture in Film (3)

Human Comm 432 Contemporary Rhetoric (3)

Management 346 International Law for Business (3)

Management 350 International Management (3)

Management 480 Global Strategic Management (3)

Marketing 445 International Marketing (3)

Marketing 475 Export Marketing Strategies (3)

Marketing 489 Developing Marketing Strategies (3)

Portuguese 310 Portuguese in the Business World (3)

Radio-TV-Film 370 World Cinema (3)

Comm 426 Global Media Systems (3)

Spanish 310 Spanish in the Business World (3)

Spanish 311 Spanish for International Business (3)

Spanish 407 Spanish Visual Representations of Cultural Transformations in the 20th Century (3)

#### **ADVISEMENT TRACK FIVE: THEMATIC PLAN IN EUROPEAN STUDIES**

This track is useful for students with specialized individual career goals or those with career plans in education. Students must develop their thematic plan in conjunction with the Program Coordinator

to insure that their course of study meets European Studies learning goals.

*Option 1:* Individualized plan of study to be developed in conjunction with European Studies Program Coordinator.

*Option 2:* Open to Liberal Studies students only. Individualized plan of study to be developed in conjunction with Liberal Studies adviser and European Studies Program Coordinator.

#### **MINOR IN EUROPEAN STUDIES**

The minor consists of 19 upper-division units including a required set of core courses (10 units) and an elective component (9 units).

##### **Required Core Courses (10 units)**

*Geography (3)*

Geography 336 Europe (3)

*History (3)*

Anthro 320 Cultures of Europe (3)

Economics 351 European Economic History (3)

History 320 Modern European History (1789-present) (3)

Poli Sci 330 Politics in Nation-States (3)

*Upper-Division Foreign Language Composition and Grammar (3)*

One course in advanced composition and grammar in a European language other than English. With the approval of the Program Coordinator, students wishing to pursue European languages other than those offered at CSUF may satisfy these requirements by enrolling in comparable courses at other CSU or UC campuses or be transferring credits from other accredited language programs.

French 307 Advanced Composition & Grammar (3)

OR French 308 Advanced Composition and Grammar (3)

German 305 Advanced Conversation and Composition (3)

Portuguese 317 Advanced Conversation & Composition (3)

Spanish 301 Advanced Grammar and Composition (3)

European Studies Senior Colloquium (1)

European Studies 490 European Studies Senior Colloquium (1)

##### **Upper-Division Elective Courses (9 units)**

Students may choose to take any of the courses listed as electives for the major.

#### **EUROPEAN STUDIES COURSES**

Courses are designated as EUST in the class schedule.

##### **490 European Studies Senior Colloquium (1-3)**

Course open only to European Studies majors and minors with senior standing who have completed 6 units of European Studies Required Core Courses. Senior capstone seminar requires majors and minors to assemble a portfolio of prior work in European Studies and majors to complete an additional original research paper/project that deals in some way with a problem or challenge facing Europe today.



# Finance

Mihaylo College of Business and Economics

## INTRODUCTION

In choosing their coursework, students are advised (but not required) to choose one of the five areas (advisory tracks) of study within the finance concentration. The corporate/international financial management track is designed to provide entry-level skills for students interested in the financial management of a non-financial firm. The international component of this track is designed for students who are interested in international corporate financial management. The financial institutions track may lead to employment in banks or savings and loan associations. The investment/financial planning track is designed for students interested in positions with brokerage firms or financial planning firms. The insurance and financial services track is designed for students interested in positions with insurance firms. The real estate professions track is designed for students interested in careers in commercial brokerage, property management, property development and real estate finance. Students may also combine courses from different advisory tracks to meet a specialized educational objective.

### Finance Department Scholarships

- Alliant Risk Services Scholarship
- American International Companies (AIG) Scholarship
- AmWIMS Scholarship
- Aon Risk Services Scholarship
- Auto Club Insurance Scholarships
- Bill Doomey Memorial Scholarship
- CPCU of Orange County Insurance Scholarship
- CSU Real Estate Scholarships
- Financial Executive Scholarship
- Gamma Iota Sigma (GIS) Scholarship
- George Joseph Insurance Scholarship
- Gutmann Family Scholarship
- HCC Surety Group Insurance Scholarship
- Insurance Industry Charitable Foundation Awards
- Insurance Professionals of Orange County Award
- L.A. RIMS Insurance Scholarships
- L.A. RIMS Outstanding Student Scholarship
- Liberty Mutual Scholarship
- Mercury Outstanding Insurance Student
- Millennium Scholarship
- New York Life Insurance Scholarships

## DEPARTMENT CHAIR

John Erickson

## DEPARTMENT OFFICE

Steven G. Mihaylo Hall 5113

## DEPARTMENT WEBSITE

[www.business.fullerton.edu/finance](http://www.business.fullerton.edu/finance)

## PROGRAMS OFFERED

- Bachelor of Arts in Business Administration
- Concentration in Finance
- Joint Emphasis in Accounting and Finance
- Master of Business Administration
- Concentration in Finance

## FACULTY

Vipin Agrawal, Mehmet Akbulut, Aziz Alimov, Ajay Bhootra, Dean Capper, Carolyn Chang, Donald Crane, John Cross, Amadeu DaSilva, Dipasri Ghosh, John Erickson, Joseph Greco, Michael LaCour-Little, Tsong-Yue Lai, Yuming Li, Yue Liu, Weili Lu, Michael Milligan, Yun Park, Catherine Richert, Mark Hoven Stohs, Donald Valachi, Blaine Walgren, Xiaoying Xie, Jing Yang

## ADVISERS

The Business Advising Center, Steven G. Mihaylo Hall 1201, provides information on admissions, curriculum and graduation requirements, registration and grading procedures, residence and similar academic matters. In addition, advising on curriculum content and career opportunities may be obtained from the chair of the Finance Department or from:

- Financial Management
  - Vipin Agrawal, Yun Park
- Personal Financial Planning
  - Donald Crane
- Real Estate
  - Michael Lacour-Little, Donald Valachi
- Securities and Investments
  - Ajay Bhootra
- Insurance and Financial Services
  - Weili Lu
- International Finance
  - Joseph Greco

O.C. RIMS Insurance Scholarships  
Pacific Life Insurance Scholarships  
Philadelphia Insurance Scholarship  
Robitaille Family Student Athlete Award  
Surety Underwriters of Southern California  
Terlecky Family Scholarship  
The Travelers Companies, Inc.  
Tutton Insurance Scholarship  
Wang Family Insurance Scholarships  
Zenith Outstanding Insurance Student

## **BACHELOR OF ARTS IN BUSINESS ADMINISTRATION**

See “Business Administration, Finance Concentration.”

## **MASTER OF BUSINESS ADMINISTRATION**

See “Business Administration, MBA”

## **FINANCE COURSES**

Courses are designated as FIN in the class schedule.

### **310 Personal Financial Management (3)**

Financial problems of the household in allocating resources and planning expenditures. Housing, insurance, installment buying, medical care, savings and investments. Special financial planning problems faced by minorities and women. May not be used to fulfill the concentration requirement in finance.

### **320 Business Finance (3)**

Prerequisite: Accounting 201A. Corequisites: InfoSys/DecSci 361A and Business Admin 301. Financing business enterprises; financial planning and control; analysis of alternative sources and uses of combinations of short-, intermediate- and long-term debt and equity. Cost of capital and capital investment decisions; capital budgeting analysis and valuation; working capital management; corporate financial decisions in an international environment.

### **331 Working Capital Management and Computer Applications (3)**

Prerequisite: Finance 320. Analysis of working capital management and policy, liquidity measurement, sources of financing for periods of cash deficits; management of accounts receivable and inventories; financial forecasting; and short-term financing.

### **332 Theory of Corporate Finance (3)**

Prerequisite: Finance 320. Risk and return analysis. Introduction to asset pricing models for valuing debt and equity. Analysis of capital budgeting, capital structure and dividend theories, long-term financial planning and firm valuation.

### **335 Financial Analysis for Investors and Lenders (3)**

Prerequisite: Finance 320. Interpretation of financial statements from the perspective of the financial analyst and creditor. Economic meaning of financial statement data for the purpose of evaluating a company's financial performance.

### **340 Introduction to Investments (3)**

Prerequisite: Finance 320. Institutional characteristics of securities markets, security valuation and trading methods, fundamental and technical analysis, selection and management of securities, role of the capital asset pricing model in investing, options and futures markets, portfolio analysis and mutual funds.

### **342 Capital and Money Markets (3)**

Prerequisite: Finance 320. Capital and money markets in the American and international economies; markets for new corporate and government issues; secondary markets; use of derivative securities for hedging; factors influencing yields and security prices.

### **351 Introduction to Real Estate (3)**

Prerequisite: Finance 320. Real estate principles, practices and investment decisions. Equity investment, finance, legal aspects, practices, principles, property development, real estate administration in the public sector, real estate market analysis, and valuation.

### **352 Real Estate Finance (3)**

Prerequisite: Finance 351. Financial institutions and real estate credit. Sources and uses of capital (funds) in financing real estate transactions. Money and capital markets and their effect on credit availability. Mortgage mechanics and the workings of primary and secondary markets.

### **353 Real Estate Valuation (3)**

Prerequisite: Finance 351. Comprehensive coverage of the basic concepts and principles of real estate valuation. Use of the three approaches to valuation for the appraisal of residential and income-producing properties. Role of valuation in real estate investment. Government regulation of appraisers.

### **355 Real Estate Investment Analysis (3)**

Prerequisite: Finance 320. Alternative analytical techniques in evaluating real estate investments. Tax aspects, measurement of investment returns, application of computer models to investment decisions. Lecture, discussion and case analysis of major investment types – raw land, apartment houses, commercial and industrial uses.

### **360 Principles of Insurance (3)**

Prerequisite: Finance 320. Analysis of the risk management process, introduction to property and liability insurance, employee benefits and financial planning. Overview of the insurance industry and insurance problems.

### **370 International Business Finance (3)**

Prerequisite: Finance 320. Financing problems of the multinational business. International financial environment, taxation of foreign income, the cost of capital in international capital and money markets, problems of risk in foreign investments and financial techniques for the operation of the multinational firm.

### **371 Export-Import Financing (3)**

Prerequisite: Finance 320. Institutional arrangements, methods and techniques used to finance international trade. Government and financial institution services. Risk-return aspects of international sales, insurance needs, the use of letters of credit, international factoring, accounts receivable insurance and other financing techniques. Review of required export-import documentation.

### **373 Asia-Pacific Financial and Security Markets (3)**

Prerequisite: Finance 320. Overview of financial markets in Japan, Korea, Taiwan, China, Hong Kong, Singapore and Southeast Asia. Historical perspectives, regulations, more recent liberalization and internationalization and institutional technical aspects of the stock, bond and other financial markets.

### **410 Theory and Practice of Personal Financial Planning (3)**

Prerequisite: Finance 320. Developing, implementing and monitoring comprehensive personal financial plans. Risk management, investments, taxation, retirement and estate planning, professional practices.

### **411 Retirement and Estate Planning (3)**

Prerequisite: Finance 320. Development of retirement objectives, needs and financial condition. Forecasting retirement income from employer based retirement plans, IRAs, insurance policies, social security, and investment programs. Medicare, medical, group life and health benefits after retirement. Property titling, wills and transfers in contemplation of death.

### **425 Commercial Bank and Financial Institution Management (3)**

Prerequisite: Finance 320. Solution of financial institution problems. Major financial intermediaries and the decision-making problems they face. Regulation and its effect on management operations. Group problems and case studies.

### **432 Financial Forecasting and Budgeting (3)**

Prerequisite: Finance 320. Forecasting in financial management; profit planning and control process; goals, technical procedures, and effects of budgeting; mechanics of forecasting and budgeting, follow-up and control.

### **433 Problems in Business Finance (3)**

Prerequisite: Finance 332. Case studies. Group problems and case studies relating to estimation of funds requirements, long-term financial planning, evaluation of cash flows, financing acquisitions and mergers, capital budgeting and cost of capital. Team-building, leadership and computer-assisted presentation skills. Not applicable for graduate degree credit.

### **435 Capital Markets and Fixed Income Analysis (3)**

Prerequisite: Finance 320 or 517. Corequisite: Finance 340 or 541. Fixed income markets, including the price dynamics and risk profiles of various fixed-income securities, derivatives, yields, duration, credit analysis of bonds, portfolio management strategies, calculating performance and identifying factors driving fixed income returns.

### **442 Advanced Investment Analysis (3)**

Prerequisites: Finance 340 and InfoSys/DecSci 361A. Securities markets and company analysis, security valuation models, the CAPM and the APT, option pricing and portfolio models. Practical application of investment theory and recent literature. Students may not receive credit for both Finance 442 and 541.

### **444 Options and Futures (3)**

Prerequisite: Finance 340. Put and call options, option pricing theory and models. Financial futures pricing, hedging strategies and models. Institutional characteristics of futures trading. Options and futures on stock indices. Options on futures, theoretical relationship between options and futures.

### **454 Real Estate Market Analysis (3)**

Prerequisite: Finance 351. Factors and influences of urban growth and development. Economic factors and real estate supply and demand. Location theory and urban growth patterns. Public policy as a factor in real estate development. Analysis of real estate markets.

### **461 Business Property and Liability Risk Management (3)**

Prerequisite: Finance 360. Duties and functions of a corporate risk manager, the major commercial property liability lines, including business income, general liability, commercial auto workers compensation, business owner insurance and operation of property liability insurers.

### **462 Life and Health Insurance (3)**

Prerequisite: Finance 360. Analysis of various types of life annuity and health insurance contracts, major employee benefit plans adopted by corporations and the organization and management of life and health insurance companies.

### **463 Professional Ethics, Corporate Compliance and Regulation (3)**

Prerequisites: Finance 320 and Management 246. How organizations can best assess and manage their exposure to legal, regulatory and ethical issues through corporate compliance programs.

### **464 Insurance Marketing and Distribution (3)**

Prerequisites: Finance 320 and Marketing 351. Overview of practices and procedures involved in insurance marketing and distribution; Analyzes insurance marketing environment, marketing strategies and product promotion; introduction to insurance distribution channels and sales force management.

### **495 Internship (1-3)**

Prerequisites: Finance 332, a concentration in finance, consent of department internship adviser, junior standing, 2.5 GPA and one semester in residence at the university. Also open to international business majors. Planned and supervised work experience. May be repeated for credit up to a total of six units. Credit/No Credit only.

**499 Independent Study (1-3)**

Prerequisites: Finance 332, 340 and consent of the department chair. Open to undergraduate students desiring to pursue directed independent inquiry. May be repeated for credit. Not open to students on academic probation.

**517 Managerial Finance (3)**

Prerequisite: Accounting 510 and classified MCBE status. Modern theory and practice of financial management. Net present value and the time value of money. Basic principles of risk and return, from an asset pricing perspective, as applied to the valuation of debt and equity. Capital budgeting and forecasting. Capital structure and dividend theory. Firm valuation from a value-based management and corporate governance perspective.

**523 Seminar in Corporate Financial Management (3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status. Analysis of financial decision-making process through case studies and seminar presentations. Current financial theory and models. International applications.

**528 Financial Economics (3)**

Prerequisite: Finance 517. Valuation of corporate liabilities and other securities. Economic decision-making under uncertainty and asset pricing theories are analyzed rigorously. Other topics may include optimal capital structure, the market for corporate control, or macroeconomic aspects of finance.

**533 Seminar in Financial Administration (3)**

Prerequisites: Finance 517 and classified MCBE status. Optimal financing and asset administration; advanced techniques of capital budgeting; application of analytical methods to the administration of the finance function of the business firm.

**541 Seminar in Investment Management (3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status. Problems of investment and portfolio management; concepts of risk evaluation and investment criteria; analysis of interest rate movements; investment valuation and timing; regulation and administrative problems of the industry. Students may not receive credit for both Finance 442 and 541.

**543 Entrepreneurial Finance (3)**

Prerequisites: Finance 517, Accounting 510 and Accounting 511. Financing a new/small firm, including forecasting the firm's investment needs, raising short-term funding and banking relationships, managing working capital, making fixed asset investments and managing risk.

**551 Seminar in Real Estate Investment (3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status. Problems of real estate investment; concepts of evaluation and investment criteria; analysis of real property values; real estate development and financing. Case studies.

**570 Seminar in International Financial Management (3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status. Financial problems of the multinational firm. International financing instruments, capital investment decisions and constraints on the profitability of multinational businesses.

**597 Project (3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status, consent of instructor and approval by Department Chair. Directed independent inquiry. Not open to students on academic probation.

**599 Independent Graduate Research (1-3)**

Prerequisites: Finance 517 or equivalent and classified MCBE status, consent of instructor and approval by Department Chair and Associate Dean. May be repeated for credit. Not open to students on academic probation.



# Geography

College of Humanities and Social Sciences

## INTRODUCTION

Geography is the study of the earth as the home of humanity. Geography provides a broad understanding of the processes that unite people, places and environments. Geographers explore the diverse regions of the contemporary world in pursuit of global understanding. They tie together the study of human spatial organizations and cultural landscapes with an in-depth investigation of the earth's landforms, climates and vegetation. Their methods range from fieldwork in foreign areas to advanced information technologies like computerized geographic information systems and remote sensing. Geography graduates find rewarding careers in environmental analysis and planning, business, government agencies and education.

## International Learning Opportunities in Geography

The Department of Geography is strongly committed to providing students with an international perspective. Geography 100 Global Geography offers a broad overview of the major countries and regions of the earth. Upper-division courses in Latin America (Geography 333), Europe (Geography 336), Asia (Geography 340) and Africa (Geography 344) offer an opportunity for in-depth study of specific regions. Finally, many other courses (Geography 120 Global Environmental Problems and Geography 360 Geography of the World's Economies, for example), include a strong international emphasis. In recent years, members of the geography faculty have conducted fieldwork in Asia, South America and Europe.

## BACHELOR OF ARTS IN GEOGRAPHY

### Credential Information

The bachelor's degree in geography may be effectively combined with subject matter studies necessary for either the multiple subject teaching credential (K-8) or single subject credential (7-12) in social studies. Undergraduates are encouraged to work with the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, the major and electives. With careful planning, it may be possible to enter the credential program in the senior year of the bachelor's degree. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) to obtain information on attending an overview presentation.

The Bachelor of Arts in Geography requires a minimum of 120 units, which includes courses for the major, General Education, all University requirements and free electives.

The major consists of at least 39 units of geography, of which at least 21 must be in upper-division courses. Students may satisfy some requirements with equivalent coursework taken at other institutions. Each course counted toward the major must be completed with a grade of "C" (2.0) or higher. Students are encouraged to take additional geography courses beyond the minimum required for the major.

## DEPARTMENT CHAIR

John Carroll

## DEPARTMENT OFFICE

Humanities 420A

## DEPARTMENT WEBSITE

<http://geography.fullerton.edu>

## PROGRAMS OFFERED

Bachelor of Arts in Geography  
Minor in Geography  
Master of Arts in Geography

## FACULTY

Jason Blackburn, John Carroll, Mark Drayse, Wayne Engstrom, James Miller, Jon Taylor, Robert Voeks, Jindong Wu, Lei Xu, Robert Young

## ADVISERS

Undergraduate: Mark Drayse  
Graduate: Jon Taylor

## MAJOR IN GEOGRAPHY

The major consists of a total of 39 units of coursework.

### Core Courses (15 units)

Geography 100 Global Geography (3)  
Geography 110 Introduction to the Natural Environment (3)  
Geography 160 Human Geography (3)  
Geography 281 Map Making with GIS (3)  
Three additional units from courses numbered 280 to 289.

### Upper-Division Courses

*Environmental Geography (3 units), one of the following:*

Geography 329 Cities and Nature (3)  
Geography 350 Nature and Society (3)

*Human Geography (3 units), one of the following:*

Geography 357 Spatial Behavior (3)  
Geography 360 Geography of the World's Economies (3)  
Geography 370 Cities and Suburbs (3)  
Geography 375 Population Geography (3)

*Physical Geography (3 units), one of the following:*

Geography 312 Geomorphology (3)  
Geography 323 Weather and Climate (3)  
Geography 325 Natural Vegetation (3)

*Regional Geography (3 units)*

Three units from courses numbered 330 to 349.

*Advanced Geography (6 units)*

Six units from courses numbered 400 to 489.

*Geography Elective (3 units)*

Three units lower- or upper-division geography not used to satisfy any other requirement.

*Upper-Division Writing Requirement (3 units), one from the following:*

English 301 Advanced College Writing (3)  
English 360 Scientific and Technical Writing (3)

### Capstone Requirement

Prior to graduation, each student must demonstrate a critical understanding of the major processes that shape the earth's landscapes, regions and places, and that influence human interaction with the earth's cultural and physical environments. This requirement will be met through satisfactory completion of one of the following capstone courses:

Geography 422 Global Climate Change (3)  
Geography 425 Tropical Rainforests (3)  
Geography 426 The Coastal Environment (3)  
Geography 450 Human Response to Environmental Hazards (3)  
Geography 452 Ecotourism (3)

Geography 475 Interpretation of Urban Landscapes (3)

Geography 478 Urban Planning Principles (3)

Geography 488 Land Use Analysis (3)

Units earned from the capstone course can be used to satisfy the Advanced Geography or Geography Elective requirements of the Geography Major.

## EMPHASIS IN ENVIRONMENTAL ANALYSIS

Geography graduates often find employment in such areas as environmental planning and related technical fields. For this reason, an optional upper-division emphasis in environmental analysis is available within the major. The emphasis consists of a total of 39 units of coursework.

### Core Courses (15 units)

Geography 100 Global Geography (3)  
Geography 110 Introduction to the Natural Environment (3)  
Geography 160 Human Geography (3)  
Geography 281 Map Making with GIS (3)  
Three additional units from courses numbered 280 to 289.

### Upper-Division Courses

*Environmental Geography (3 units)*

Geography 350 Nature and Society (3)

*Human Geography (3 units), one from the following:*

Geography 357 Spatial Behavior (3)  
Geography 360 Geography of the World's Economies (3)  
Geography 370 Cities and Suburbs (3)  
Geography 375 Population Geography (3)

*Physical Geography (6 units), two from the following:*

Geography 329 Cities and Nature (3)  
Geography 312 Geomorphology (3)  
Geography 323 Weather and Climate (3)  
Geography 325 Natural Vegetation (3)

*Regional Geography (3 units)*

Three units from geography courses numbered 330 to 347.

*Advanced Geography (6 units), two from the following:*

Geography 422 Global Climate Change (3)  
Geography 425 Tropical Rainforests (3)  
Geography 426 The Coastal Environment (3)  
Geography 482 Environmental Impact Assessment (3)  
Geography 488 Land Use Analysis (3)

*Upper-Division Writing Requirement (3 units), one of the following:*

English 301 Advanced College Writing (3)  
English 360 Scientific and Technical Writing (3)

## Capstone Requirement

Prior to graduation, each student must demonstrate a critical understanding of the major processes that shape the earth's landscapes, regions and place, and that influence human interaction with the earth's cultural and physical environments. This requirement will be met through satisfactory completion of one of the following capstone courses:

Geography 422 Global Climate Change (3)

Geography 425 Tropical Rainforests (3)

Geography 426 The Coastal Environment (3)

Geography 450 Human Response to Environmental Hazards (3)

Geography 452 Ecotourism (3)

Geography 488 Land Use Analysis (3)

Units earned from the capstone course can be used to satisfy the Advanced Geography requirement of the Emphasis in Environmental Analysis.

## MINOR IN GEOGRAPHY

The minor in geography serves students seeking a geographic perspective to complement their major. Interested students should take at least 21 units of geography, including Geography 100 and three units from the following: 110, 120, 160 or 281; and a minimum of 12 units of upper-division work. All courses counted toward the minor must be completed with a grade of "C" (2.0) or higher. Faculty advisers are available to help students structure their minor in geography.

## MASTER OF ARTS IN GEOGRAPHY

This program provides advanced study in human and physical geography with an emphasis on theory and research. Graduates are prepared in the application of interpretive and analytical concepts and techniques to a broad spectrum of geographic situations. Such study directly serves those whose careers involve urban, regional, and environmental planning and geographic education. Geographic perspectives and methods are highly applicable to a wide range of careers in business, industry and government.

## Application Deadlines

The deadlines for completing online applications are March 1 for the fall semester and October 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be post-marked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

## Admission and Conditional Classification

The department requires a grade-point average of at least 3.0 in the last 60 semester units attempted and a 3.0 grade-point average in all geography courses. Students who have no, or a limited, background in geography will be expected to make up the deficit by taking appropriate coursework in consultation with the departmental graduate adviser.

All students are required to demonstrate competency in each of geography's four main subfields: human, physical, regional and technical. Competency is normally demonstrated by completion of at least 18 units at the upper-division or graduate level with a 3.0 grade-point average.

## Graduate Standing: Classified

After completion of all prerequisites and removal of deficiencies, the student must develop an approved study plan in consultation with a personal faculty adviser and the graduate program adviser in order to be classified.

All students must complete six units of upper-division technical courses. Three units are prerequisite to classified standing. If the remaining three units were not taken as undergraduate work, they may be included in the study plan.

## Study Plan

The study plan consists of 30 units of coursework distributed as follows:

## Required Courses

Geography 500 Seminar in Geographic Research (3)

Geography 520 Seminar in Physical Geography (3)

Geography 550 Seminar in Human Geography (3)

Geography 599 Independent Graduate Research (3)

One additional 500-level geography course (3)

## Electives (12-15 units)

Senior-level or graduate coursework in geography (15 units unless approved for thesis; may include additional Geography 500-level courses; up to six units from related fields).

## Thesis or Comprehensive Exam (0-3 units)

Geography 598 Thesis (3) (department approval required)

Students must follow one of two plans: Plan A, requiring a comprehensive examination; or Plan B, requiring a thesis.

Plan A requires the development of a specific field of interest and a written, three-part comprehensive exam testing knowledge in human geography, physical geography and the student's specified area of interest. The examination may be repeated only once. Plan B requires the development of a specific field of interest, a written thesis and a subsequent oral defense.

All students will follow Plan A unless approval for the thesis option is granted. In order to follow Plan B, the thesis option, students must have the written consent of their thesis supervisor and all members of a thesis committee. Permission to write a thesis may be granted only to students who have (1) achieved a 3.25 grade-point average after 15 units of upper-division and graduate coursework and (2) demonstrated proficiency in research and writing skills.

For further details or advisement, communicate with the Department of Geography graduate program adviser.

## GEOGRAPHY COURSES

Courses are designated as GEOG in the class schedule.

### 100 Global Geography (3)

Introduction to world's geographical regions. Cultural patterns and their evolution in diverse physical environments. One or more sections offered online.

**110 Introduction to the Natural Environment (3)**

Prerequisite: completion of General Education (G. E.) Categories III.A.1 and III.A.2. Introduction to the major components of the physical environment, including landforms, climate, natural vegetation and soils. One or more sections offered online.

**120 Global Environmental Problems (3)**

Prerequisite: completion of G. E. Category III.A.2. Geographical analysis of the Earth's principal environmental problems. Subjects include population growth, agriculture and pesticides, climate change, forestry and fishing, energy, endangered species and appropriate development. One or more sections offered online.

**160 Human Geography (3)**

Prerequisite: completion of G. E. Category III.C.1. An Introduction to Human Geography. Understanding the regional distribution of language, religion, population, migration and settlement patterns, political organization, technology, methods of livelihood over the earth. One or more sections offered online.

**281 Map Making with Geographic Information Systems (3)**

Principles and practice of effective map making using computerized geographic information systems technology. (2 hours lecture, 2 hours laboratory)

**283 Introduction to Spatial Data (3)**

Introduction to the variety of evidence used in geographic analysis and the sources and techniques for acquiring geographic evidence.

**312 Geomorphology (3)**

Prerequisites: Geog 110, Geology 101. Landforms and the processes responsible for their evolution.

**323 Weather and Climate (3)**

Prerequisite: Geog 110. Atmospheric elements and controls, fronts, severe weather and climatic classification systems.

**325 Natural Vegetation (3)**

Geography of the globe's natural vegetation associations. Role of plate tectonics, climate, soils, fire and humans as agents of landscape-level vegetation change.

**329 Cities and Nature (3)**

Prerequisites: completion of G. E. Categories III.A.1 and III.A.2 or III.A.2.b. Overview of the impact of urbanization on landforms, climate, vegetation, and animals. Planning implications and case studies.

**330 California (3)**

Landscapes of California, their environmental characteristics, development patterns and current problems.

**332 United States and Canada (3)**

Prerequisite: completion of G. E. Category III.C.1. United States and Canada. Interrelated physical and cultural features that give geographic personality to the regions.

**333 Latin America (3)**

Prerequisite: completion of G. E. Category III.C.1. Mexico, Central America, the Caribbean and South America. Explores the regions' physical and cultural landscapes. Emphasizes nature-society problems.

**336 Europe (3)**

Basic physical and human lineaments of Europe. Elements that distinguish and give character to its major regional divisions.

**340 Asia (3)**

Prerequisite: completion of the G. E. Category III.C.1. Physical, human and regional geography of Asia, from Pakistan and India through Southeast Asia and the Malay Archipelago to China, Japan and Korea. One or more sections offered on line.

**342 The Middle East (3)**

Prerequisite: completion of the G. E. Category III.C.1. Geography of the Middle East from North Africa to Central Asia, with emphasis on the region's physical, cultural, historical, economic, and political geography and contemporary issues facing the region.

**344 Africa (3)**

Physical, human and regional geography of Africa. Saharan borderlands, East Africa and Southern Africa.

**350 Nature and Society (3)**

Prerequisite: completion of G. E. Category III.C.1. Interface between human systems and natural systems. Factors affecting human interaction with the earth, including environmental ethics, public policy and technology.

**352 The National Parks (3)**

The park system and its evolution as related to conservation, preservation and recreational land use. Cultural heritage and physical environment.

**357 Spatial Behavior (3)**

Geographic approach to perception and behavior in local and global spatial settings.

**360 Geography of the World's Economies (3)**

Geographic perspectives on the global production of goods and services and their distribution to consumers. Key geographic issues in uneven development, international trade, investment patterns, and the spatial integration of local and regional economies.

**370 Cities and Suburbs (3)**

American metropolitan systems and city-region linkages. Theories and spatial models of social and economic patterns within cities and suburbs; planning implications of these locational patterns.

**375 Population Geography (3)**

Prerequisites: Geog 160 and junior standing. Theories, models, concepts and facts in the field of population geography, growth and distribution, with an emphasis on birth, death and migration processes.

#### **422 Global Climate Change (3)**

Prerequisite: Geog 323. Physical factors that produce climatic patterns and regional impacts of climate change.

#### **425 Tropical Rainforests (3)**

Prerequisites: Geog 110 and Geog 325 or equivalent. Discussion/seminar examining the geography, ecology and human use of tropical rainforests. Causes and consequences of deforestation, sustainable development and preservation.

#### **426 The Coastal Environment (3)**

Prerequisites: Geog 110 and one upper-division physical geography course. An overview of coastal geomorphology, climatology, and plant geography with an emphasis on Southern California. Human interaction, modification, and management of those systems.

#### **450 Human Response to Environmental Hazards (3)**

Prerequisites: Geog 110 and at least one 300-level geography course; Geography 350 preferred. Issues involved as humans endeavor to minimize the impact of hazards in the environment. Importance of cognition, perception, communication, mitigation and preparedness as societies cope with hazards posed by the natural world and human action.

#### **452 Ecotourism (3)**

Evolution and distribution of nature-based tourism. Role of ecotourism in regional development and environmental conservation. Sociocultural impacts in less developed countries.

#### **475 Interpretation of Urban Landscapes (3)**

Prerequisites: Geog 357 or 370 and consent of instructor. Geographic view of the city as a landscape composite of structure, space, place and experience. Emphasizes the European and North American city.

#### **478 Urban Planning Principles (3)**

Prerequisite: Geog 370 or Poli Sci 320. Seminar/discussion on conceptual themes and legal foundations of American urban planning. Policy areas associated with urbanization and suburbanization processes: land use, economic development, redevelopment, housing systems, neighborhood dynamics and growth management. (Same as Political Science 478)

#### **481 Geographic Information Systems: Introduction (3)**

Methods and applications of computer-assisted mapping and geographic information systems. (2 hours discussion, 3 hours lab)

#### **482 Environmental Impact Assessment (3)**

Prerequisites: Geog 350, 478, or equivalent. Techniques relevant to environmental impact assessment in accord with CEQA (state) and NEPA (federal) regulations. Systematic evaluation of major environmental impact topics. Individual and small team activities.

#### **484 Urban Planning Methods (3)**

Prerequisite: Geog 478 or Poli Sci 478. Seminar and Practicum on methods in urban planning. Analytical techniques and basic data sources. Population forecasting, housing surveys, economic development, fiscal impacts and area revitalization. Individual and team projects. (Same as Political Science 484)

#### **485 Geographic Information Systems: Principles and Applications (3)**

Prerequisite: Geog 481 or equivalent. Integrated computer-assisted methods for handling spatial data, including database design, data conversion and updating, information retrieval, analysis, modeling and mapping. Instructional fee.

#### **486 Environmental Remote Sensing (3)**

Prerequisite: Geog 481. Fundamentals of remote sensing science and digital image processing. Remote sensing principles and the processing and interpretation of remotely sensed data using image processing techniques and software.

#### **488 Land Use Analysis (3)**

Prerequisites: junior, senior or graduate standing and consent of instructor. Urban and rural land use and settlement; geographic field problems. Application of geographic techniques and tools to local field studies.

#### **495 Internship in Applied Geography (1-3)**

Students work specified number of hours in appropriate public or private organizations under the supervision of their staff and as coordinated by departmental faculty. Interns meet with instructor by arrangement. May be repeated for a maximum of three units of credit.

#### **499 Independent Study (1-3)**

Prerequisite: senior standing. Consent of instructor under whom study will be taken required before enrolling. May be repeated for a maximum of six units of credit.

#### **500 Seminar in Geographic Research (3)**

Prerequisites: graduate standing and consent of instructor. A required seminar to be taken prior to the development of a thesis.

#### **520 Seminar in Physical Geography (3)**

Prerequisite: graduate standing. Research in physical geography: methods and contemporary themes. Case studies in climatology, geomorphology and plant geography.

#### **530T Seminar: Selected Topics in Geography (3)**

Prerequisite: graduate standing. Various topics selected from any of the subfields of geography. The topic chosen and a general outline of the seminar are circulated prior to registration. May be repeated for credit.

#### **550 Seminar in Human Geography (3)**

Prerequisite: graduate standing. Survey of methodology and case studies, including: experiential environments; rural landscapes; urban, social and economic structure; geography and public policy; and Third World development. Meets the graduate level writing requirement.

#### **597 Project (3)**

Prerequisites: Geog 500 and consent of adviser.

#### **598 Thesis (3)**

Prerequisites: completion of Geog 500, advancement to candidacy and consent of instructor.

#### **599 Independent Graduate Research (1-3)**

Open to graduate students by consent of instructor. May be repeated for credit.

# Geological Sciences

College of Natural Sciences and Mathematics

## DEPARTMENT CHAIR

David Bowman

## DEPARTMENT OFFICE

McCarthy Hall 254

## PROGRAMS OFFERED

Bachelor of Science in Geology

Minor in Geology

Master of Science in Geology

Emphasis in Geochemistry  
(under Master of Science in Chemistry)

## DEPARTMENT WEBSITE

<http://geology.fullerton.edu>

## FACULTY

Phillip A. Armstrong, Nicole Bonuso, David Bowman, Brandon Browne, Galen R. Carlson, Diane Clemens-Knott, Matthew E. Kirby, Tara Kneeshaw, Jeffrey Knott, W. Richard Laton, John H. Foster, Brady Rhodes, Adam D. Woods

## ADVISERS

Geology students must be advised before or immediately upon entering the major in order to design an efficient course progression that will meet their objectives. While enrolled, students must meet with an adviser each semester prior to registration for the following semester. The adviser will assist in scheduling courses, selecting courses and solving problems should any arise. To be advised, students should contact the department office for available advisers. Special advisers are available for: Geochemistry Emphasis, M.S. in Chemistry (Diane Clemens-Knott); Earth Science Education (Galen Carlson).

## INTRODUCTION

Geological Sciences is the study of Earth through time, including its physical nature, chemical composition and dynamics, as well as its origin and evolution. In addition to the quest for understanding the way Earth works and its relation to the solar system, geological scientists are involved in the search for energy, mineral and water resources, the evaluation and remediation of environmental hazards, and the prevention and/or prediction of natural disasters such as earthquakes, volcanic eruptions, landslides, coastal erosion and floods. About 60 percent of all geological scientists are employed by private industry, primarily by engineering, environmental, petroleum and mining companies. Others are employed by government agencies, educational institutions and research centers.

Faculty expertise spans much of the breadth of the Earth Sciences and that breadth is reflected in the curriculum. Faculty research focuses on aspects of Earth's recent history and the record of past surface environments. Research specialties, including seismology, active tectonics, Quaternary geology, geomorphology, hydrology, engineering geology, volcanism, sedimentation, environmental geology and climate change reflect this focus. Each undergraduate and graduate student is required to work one-on-one with a faculty member to complete a research project. Thus, through the combination of coursework and thesis research, CSUF graduates obtain both breadth and specialization in the geological sciences.

The B.S. and M.S. requirements are designed to help students develop an appreciation and understanding of Earth, as well as prepare them for: (1) employment in industry or government; (2) teaching at the elementary, high school and community college level; and (3) further graduate studies in the geological sciences. The B.S. core is firmly rooted in field-based instruction and culminates in a summer field course; the M.S. core focuses on original research, analyzing primary literature and writing research proposals. Over thirty 300-, 400- and 500-level electives are offered on a regular schedule, enabling students to design individual study plans that satisfy their personal educational goals.

## Evening Program

Most graduate courses are offered in the late afternoon and evening (with weekend field trips). Consult the department for details.

## BACHELOR OF SCIENCE IN GEOLOGY

Of the 120 units required for graduation, a minimum of 48 are in geological sciences, 30 in related fields and 39 in general education courses. The remaining 3 undesignated units are selected to meet the particular needs of each student. To qualify for the B.S. degree, students must have a "C" (2.0) or better in all geological sciences courses applied towards the 48-unit requirement; in addition, students must have a 2.0 average in required courses in related fields. Proficiency in English composition is required.

### Undergraduate Thesis (3 units)

In this capstone experience, majors work one-on-one with a faculty adviser on a research project that encompasses all phases of the scientific process, beginning with defining a hypothesis in a written research proposal, collecting and analyzing appropriate data, and writing a report. Students are encouraged to begin research during their junior year. The presentation of undergraduate theses at professional meetings and/or in peer-reviewed literature is strongly encouraged. The Undergraduate Thesis (Geological Sciences 498) satisfies the university's upper-division writing requirement.

### Minimum Course Requirements for the Major

- Geological Sciences 101 Physical Geology (3)
  - OR Geological Sciences 110T Topics in Earth Science (4)
  - OR Geological Sciences 140 Earth's Atmosphere and Oceans (3)
- Geological Sciences 101L Physical Geology Lab (1)
- Geological Sciences 201 Earth History (3)
- Geological Sciences 303A Mineralogy and Introduction to Petrology (4)
- Geological Sciences 303B Igneous and Metamorphic Petrology (4)
- Geological Sciences 321 Sedimentation and Stratigraphy (4)
- Geological Sciences 335 Hydrology and Surface Processes (3)
- Geological Sciences 360 Structural Geology (4)
- Geological Sciences 380 Geologic Field Techniques (3)
- Geological Sciences 456 Geophysics (3)
  - OR Geological Sciences 406 Geochemistry (3)
- Geological Sciences 481A Geology Field Camp I (4)
- Geological Sciences 498 Undergraduate Thesis (1-3)

### Upper-Division Geological Sciences Electives (8-9 units)

The department offers more than thirty 300-, 400- and 500-level electives that may be applied to the Geology B.S., assuming prerequisites are met. Students choose electives to explore fields of interest within the geosciences and to develop strengths necessary for their chosen undergraduate research projects and/or post-graduate plans. Electives should be selected in consultation with an adviser. No more than 3 units from any combination of Geological Sciences 493, 495, 496L and 499L can be counted toward meeting this eight- to nine-unit requirement.

*Note:* Geological Sciences 310T is not accepted as credit toward meeting requirements for the major.

### Related Fields (30 units minimum)

Geoscientists address an extremely wide variety of issues and their scientific strengths vary accordingly. For example, environmental geology requires strength in chemistry and statistics; seismology requires knowledge of physics, math and computer science; and paleontology requires strength in biology and statistics. The flexible organization of the related field's requirements enables students and their advisers to select a package of courses that best supports the student in their educational and professional endeavors. At least one of the related field's tracks must include a second-semester lab course. If the selected related field's courses total less than 30 units,

additional units must be taken from other science-math-engineering departments (see list below). Courses not included on the list must be approved in writing by an undergraduate adviser.

- Biology 101 Elements of Biology (3)
  - OR Biology 171 Evolution and Biodiversity (5)
  - OR a life science course from another institution that is acceptable to CSUF and demonstrates treatment of whole-organism biology and concepts of evolution and ecology.
- Chemistry 120A and 120B General Chemistry (5,5)
  - OR Chemistry 120A General Chemistry (5)
  - AND Chemistry 125 General Chemistry for Engineers (3)
- Mathematics 150A and 150B Calculus (4,4)
  - OR Mathematics 130 A Short Course in Calculus (4)
  - AND EITHER Mathematics 337 Introduction to Experimental Design and Statistics in the Laboratory Sciences (3)
  - OR Mathematics 338 Statistics Applied to Natural Sciences (4)
- Physics 225, 225L Fundamental Physics - Mechanics (3,1)
  - AND Physics 226 Fundamental Physics - Electricity & Magnetism (3)
  - OR Physics 211, 211L, 212 Elementary Physics (3,1,3), with consent of adviser.

One additional semester course selected with approval of adviser from courses such as the following:

- Biology 172, 210, 300, 319
- Chemistry 301A, 315, 325, 361A
- Computer Science 241
- EGCE 301, 324, 436, 441
- Geography 481, 485
- Mathematics 250A, 250B
- Physics 227, 227L, 300, 310, 320, 330
- Science- or engineering-based transferable extension certificate courses from other universities.

### Undesignated Units (0-3 units)

These are to be taken in geological sciences, related fields and/or career-supporting fields, with adviser approval.

### General Education (39 additional units required)

Twelve General Education units (Category III.A.) are embedded in the Related Fields requirements for the Geology B.S. The remaining 39 units are selected by the student.

See University catalog and consult your adviser for proper course selection.

### MINOR IN GEOLOGICAL SCIENCES

A minimum of 20 units in geological sciences courses is required for the minor, of which at least 12 must be upper division and at least six of these 12 must be taken in residence. Up to three units of Geological Sciences 310T may be applied. Prospective minors should make an appointment with a department adviser in order to select courses that most closely match their educational goals.

Prospective teachers should include courses in physical geology, Earth history, hydrology and surface processes, oceanography, mineralogy, petrology, Earth Science for Science Teachers (Geological Sciences 420).

### **CREDENTIAL PROGRAM**

The Bachelor's Degree in Geology may be effectively combined with subject matter studies necessary for the Single Subject Teaching Credential in science. Science teachers are in great demand, and candidates may qualify for scholarships and paid teaching internships while completing their credential. Undergraduates are encouraged to contact the Center for Careers in Teaching (657-278-7130, [www.fullerton.edu/cct](http://www.fullerton.edu/cct)) and the Science Education Programs Office (657-278-2307, <http://nsm.fullerton.edu/scied>) for early advisement and to plan efficient course selections for general education, the major and credential program coursework. Postbaccalaureate and graduate students should contact the Science Education Programs Office (657-278-2307, <http://nsm.fullerton.edu/scied>). Additional information is found under Science Education Programs in the University Catalog as well as at <http://mast.wikispaces.com>.

### **GRADUATE EMPHASIS IN GEOCHEMISTRY**

The Geochemistry Emphasis is offered jointly by the Department of Chemistry and Biochemistry and Department of Geological Sciences. Contact the graduate program adviser in the Department of Chemistry and Biochemistry for information regarding the Chemistry M.S. requirements, and the Department of Geological Sciences regarding the selection of appropriate graduate electives.

### **GEOLOGICAL SCIENCES COURSES**

For all courses, prerequisites may be waived if the instructor is satisfied that the student is qualified to take the course.

Geological Sciences 101, 101L, 102, 105 and 201 are offered each semester. The department offers Geological Sciences 303A, 321 and 380 each fall and Geological Sciences 303B, 335 and 360 each spring. Geological Sciences 481A is offered each summer and the remaining courses are offered on a three- to four-semester rotation. A schedule of projected class offerings is available from the department.

### **MASTER OF SCIENCE IN GEOLOGY**

The program is based on the assumption that every geologist must have a thorough knowledge of fundamental geologic principles and that this knowledge must be rooted in field- and laboratory-based experiences. No matter how graduating students may choose to apply this knowledge, the sound geologic basis provided by the master of science degree will enable them to meet new intellectual challenges in their future professional or academic careers. The program is sufficiently flexible to meet a student's interest in the application of geology to the solution of environmental, hydrogeologic or engineering geologic problems facing our society.

The program is designed to prepare students for: (a) employment in all fields of geology; (b) teaching at the elementary, secondary and community college levels; and/or (c) doctoral study in the geosciences or related fields.

### **Admission Requirements**

An applicant must meet the university requirements for admission, which include a baccalaureate degree from an accredited institution and a grade-point average of at least 2.5 in the last 60 semester units attempted (see catalog section on Graduate Admissions for complete statement and procedures). In addition, acceptance into this program in a classified standing is contingent upon the following:

1. a bachelor's degree in geology from an accredited institution, with an expected grade-point average of 3.0 in geology courses, which normally includes the equivalent to core courses of the Cal State Fullerton Geology B.S. program and a 2.5 grade-point-average in related science and mathematics courses; or, in the case of a bachelor's degree in a related area, a selection of science courses deemed as adequate preparation for further study in geology by the Department Graduate Committee
2. satisfactory performance on the Graduate Record Examination Aptitude Test with an expected score in the 50th percentile or better on the verbal and quantitative tests
3. two letters of recommendation
4. completion of the departmental application and
5. availability of faculty and resources in the student's stated area of interest

Students with limited subject or grade deficiencies may be considered for conditional acceptance into the program if they meet all other departmental and university requirements. Conditionally classified graduate standing may be removed upon completion of adviser- and graduate-committee-approved postgraduate courses in geology, mathematics, chemistry or physics, with grades of "B" (3.0) or better.

Students with a degree in a related field and/or substantial subject deficiencies are encouraged to apply. Such applicants may be considered for conditional acceptance if they meet all other departmental and university requirements. Such a student may later qualify for classified standing by completing all courses recommended by the Department Graduate Committee and by maintaining a 3.0 grade-point average in geology and in related science and mathematics courses.

### **Application Deadlines**

Financial aid (teaching and research assistantships) are ordinarily awarded only to fall semester applicants. Students who wish to be considered for financial aid must have their application received by February 15 for admission to the following fall semester.

The deadlines for completing online applications are March 1 for the fall semester and October 1st for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be post-marked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

## Classified Standing

Students should achieve classified graduate standing as soon as they are eligible, since no more than nine units of graduate work taken before classification can be included on the study plan for the degree (see below). Students may apply for classified standing when they; (1) have met all university and departmental admission requirements; and (2) have filed a study plan approved by the adviser, the Department Graduate Committee and the Associate Vice President for Graduate Studies and Research.

Students must meet the Graduate Level Writing Requirement as described in this catalog under "Master's Degree Requirements." Students will meet this requirement by taking Geological Sciences 501, Research Methods in Geology.

## Advancement to Candidacy

Advancement to candidacy is attained by applying for graduation and receiving a recommendation by the Department Graduate Committee.

## STUDY PLAN

A study plan must contain a minimum of 30 units and be approved by the Graduate Adviser. At least 21 units must be at the graduate level; a maximum of nine units may be 400 level. A minimum grade point average for courses satisfying the study plan is 3.0. The study plan must consist of the following:

### Required Courses (9-12 units)

Geological Sciences 500 Advanced Concepts in Geology (3)

Geological Sciences 501 Research Methods in Geology (1)

Geological Sciences 590 Graduate Seminar (1, 1) – must be taken twice for one unit each time

Geological Sciences 598 Thesis (1-3) – must be taken for a total of at least three, but not more than six units

A public, oral defense of the thesis is required.

### Focus and Breadth Courses (18-21 units)

Focus Geology Courses: Graduate adviser-approved 400- or 500-level geology courses. A maximum of three units of Geological Sciences 599 (Independent Study) and a maximum of three units of Geological Sciences 593 (Directed Study) may be taken. Course selection will be dependent on the student's academic objectives and selected in consultation with the student's thesis adviser.

Breadth Courses in Related Fields: A maximum of six units of graduate adviser-approved 400- or 500-level breadth courses offered by departments other than Geological Sciences. Courses may be taken from departments or programs such as, but not restricted to, Biological Sciences, Chemistry and Biochemistry, Physics, Mathematics, Geography, Civil and Environmental Engineering, or Environmental Studies. Course selection will be dependent on the student's academic objectives and selected in consultation with the student's thesis adviser.

## COURSES IN GEOLOGY

Courses are designated as GEOL in the class schedule.

### 101 Physical Geology (3)

Prerequisite: high school chemistry or physics, or equivalent. Physical nature of the planet Earth, genesis of rocks and minerals, erosion processes and their effects.

### 101H Physical Geology (Honors) (3)

Prerequisite: high school chemistry or physics, or equivalent. Physical nature of the planet Earth, genesis of rocks and minerals, erosion processes and their effects. (weekend field trips)

### 101L Physical Geology Laboratory (1)

Pre- or corequisite: Geological Sci 101, 110T or 140. Laboratory on minerals, rocks, earthquakes and map and aerial photographic interpretation. (3 hours laboratory or field trip) Corequisite: Geological Sci 101 or 101H. Laboratory on minerals, rocks, earthquakes, and map and aerial photographic interpretation. (3 hours laboratory and weekend field trips)

### 102 Earth and Astronomical Science for Future Elementary Teachers (3)

Designated especially for the prospective elementary school teacher, this activity-based course examines fundamental Earth/astronomical science concepts and the potential impacts of natural hazards on ecosystems on planet Earth.

### 105 Field Experiences in California Geology (1)

Pre- or corequisite: Geological Sci 101 or 110T or 140. Three field trips that examine the rich geology of California. Students will read and discuss topical papers and make presentations on selected topics. Weekend field trips are required. May be repeated once for credit.

### 110T Topics in Earth Science (4)

Prerequisite: high school chemistry or physics, or equivalent. Public interest topics in Earth science. Alternating topics include: dinosaur world; earthquakes and volcanoes. Each course includes integrated labs, lectures and field trips that explore mainstream Earth science issues. (3 hours lecture, 3 hours lab and field trips.)

### 140 Earth's Atmosphere and Oceans (3)

Prerequisite: high school chemistry or physics, or equivalent. Composition, structure and circulation of the Earth's atmosphere and oceans with a general focus on their interactions. Interdisciplinary topics that highlight atmosphere-ocean interactions will include global warming, ice ages, El Nino, Southern California storms activity and Santa Ana winds. (3 hours lecture, field trips)

### 201 Earth History (3)

Prerequisite: Geological Sci 101L. Evolution of Earth as interpreted from rocks, fossils and geologic structures. Plate tectonics provides a unifying theme for consideration of mountain building, evolution of life and ancient environments. (2 hours lecture, 3 hours laboratory, field trips)

**201L Earth History Supplemental Lab (1)**

Prerequisite: Geological Sci 101L; corequisite: Geological Sci 201. Supervised research on topics related to Earth history. Project will result in a term paper and/or web page. (3 hours laboratory, field trips)

**303A Mineralogy and Introduction to Petrology (4)**

Prerequisites: Geological Sci 101 and 101L; pre- or corequisite, Chemistry 120A; English 101: pre- or corequisite, Mathematics 125 or equivalent. Mineral structure and composition; relating mineral occurrence with rock lithology; identifying minerals in hand sample and thin section based on physical and optical properties; interpreting the significance of a rock's mineral assemblage in terms of its geologic origin. (2 hours lecture, 6 hours laboratory, field trip)

**303B Igneous and Metamorphic Petrology (4)**

Prerequisites: Chemistry 120B or 125; Geological Sci 303A, 380. Description, classification, occurrence and origin of igneous and metamorphic rocks. (2 hours lecture, 6 hours laboratory, field trips)

**305 Earthquake Impact on Structures (3)**

(Same as Civil and Environmental Engineering 305)

**310T Topics in California-Related Geology (1-3)**

Prerequisites: completion of one course each from General Education (G. E.) Categories III.A.1 and III.A.2. Directed investigations of one aspect of Earth science. Alternating topics are geology of national parks, California geology, ocean off California, California earthquakes, geological hazards of California and California gems and minerals. May be repeated for credit with a different topic. (3 hours lecture for 5, 10, or 15 weeks; optional field trip)

**321 Sedimentation and Stratigraphy (4)**

Prerequisites: Geological Sci 201, 303A. Sedimentary rocks, including classification, texture, mineralogy and provenance; sedimentary environments and interpretation of ancient environments in the rock record; stratigraphic methods and patterns. (2 hours lecture, 6 hours laboratory, field trips)

**322 Paleontology (3)**

Prerequisites: Geological Sci 201; Biology 101 or 171 or equivalent. Paleontology, including evolution, taxonomy, ichnology, biostratigraphy, taphonomy, mass extinctions and paleoecology. Review of the major fossil groups. (2 hours lecture, 3 hours laboratory, field trips)

**333 General Oceanography (3)**

Prerequisites: Geological Sci 101L and upper-division standing. Chemical, physical and geological nature of the oceans. (2 hours lecture, 3 hours laboratory, field trips)

**335 Hydrology and Surface Processes (3)**

Prerequisite: Geological Sci 101 or equivalent, or completion of G. E. Category III.A.2. Impact of surface water on the formation of soils, weathering, surface features (rivers) and groundwater. Application of hydrology as a predictive and postdictive tool on geologic, biotic and engineering problems.

**355 Earth's Interior (3)**

Prerequisites: Geological Sci 101; Math 150A; Physics 225, 225L or 211, 211L; Chemistry 120A or equivalent. Geophysical, geochemical properties of mantle and core. Data collection techniques. Impact of internal processes on crustal/surface phenomena.

**360 Structural Geology (4)**

Prerequisites: Geological Sci 380; Math 125. Faults, folds, mechanics of rock deformation and elementary tectonics; solution of problems by geometric, trigonometric and stereographic analysis. (3 hours lecture, 3 hours laboratory, field trips)

**376 Engineering Geology (3)**

Prerequisites: Math 130 or 150A; Geological Sci 380 or EGCE 214 and 214L. Geology applied to engineering works. Earth materials, processes; site evaluation techniques; geologic hazard analysis; case histories. (2 hours lecture, 3 hours laboratory, field trips)

**380 Geologic Field Techniques (3)**

Prerequisites: Geological Sci 101 and 101L; pre- or corequisite, Geological Sci 201; English 101; Mathematics 115 or 125 or equivalent. Basic geologic field equipment. In-class and weekend field projects include: basic geologic mapping on topographic maps and aerial photographs; field note-taking methods; field data interpretation; preparing geologic maps; preparing stratigraphic columns and geologic cross-sections; technical report writing. (2 hours lecture, 6 hours in-field activity, weekend field trips)

**404 Optical Mineralogy and Petrography (3)**

Prerequisites: Geological Sci 303B. Principles of optical mineralogy. Use of petrographic microscope to analyze minerals and textures of igneous, metamorphic and sedimentary rocks. (1 hour lecture, 6 hours laboratory, field trip)

**406 Geochemistry (3)**

Pre- or corequisites: Geological Sci 303B, Chemistry 120B or 125, Math 130 or 150A. Basic chemical and thermodynamic principles applied to the origin and alteration of igneous, sedimentary and metamorphic rocks and economic mineral deposits.

**408 Volcanology (3)**

Prerequisites: completion of Geological Sci 303B; Mathematics 130 or 150A or equivalent. Volcanic eruptions as well as their deposits, hazards and impact on society. Classroom activities and field trips (required) will explore modern and ancient volcanic environments. (3 hours lecture, field trips)

**410 Physical Earth/Space Systems (3)**

Prerequisites: completion of one course each from G. E. Categories III.A.1. and III.A.2. Physical and chemical interactions among major Earth systems (e.g., geosphere, atmosphere and hydrosphere) considered within the context of Earth's position in its solar system and in space. Appropriate for elementary teachers. Not available for graduate degree credit in B.S. or M.S. in Geology; available for credit in M.A.T.S. in the Science Education program. (2 hours lecture, 2 hours activity)

#### **420 Earth Science for Science Teachers (4)**

Prerequisites: Geological Sci 101 and 101L plus upper-division standing or science teaching credential. Major concepts of the earth sciences with primary emphasis on physical and planetary geology and secondary emphasis on meteorology and oceanography. (3 hours of lecture, 3 hours of laboratory, field trips)

#### **436 Hydrogeology (3)**

Prerequisites: Geological Sci 101L and 335 or equivalent; Math 130 or 150A. Occurrence, movement and utilization of ground-water resources; geological, geophysical and hydrological methods for groundwater exploration and development. Well hydraulics and ground-water contamination. (2 hours lecture, 3 hours laboratory, field trips)

#### **455 Earthquake Seismology (3)**

Prerequisites: Geological Sci 101; Physics 225, 225L or 211, 211L, Math 130 or 150A. Seismic waves, their recording and measurement. Estimation of earthquake source strength, location and mechanism. Introduction to seismic risk and strong motion studies. (3 hours lecture, field trips)

#### **456 Geophysics (3)**

Prerequisites: Math 150B, 337 or 338; Physics 225, 225L or 211, 211L; Physics 226, 226L or 212, 212L recommended. Seismic refraction, gravity, magnetic and electrical techniques and fundamentals as applied to determination of subsurface structure, groundwater and location of mineral resources. (2 hours lecture, 3 hours laboratory, field trips)

#### **470 Environmental Geology and Planning (4)**

Prerequisites: Geological Sci 101L or 420. Geologic processes, hazards, mineral and energy resources and their interaction with planning and environmental regulations. (3 hours lecture, 3 hours lab, field trips)

#### **475 Quaternary Tectonics (3)**

Prerequisites: Geological Sci 360 and 380. Processes and products of relatively young Quaternary tectonics. Evaluation of surface tectonic features, their ages, deformation styles and structural regimes. Assessment of past and contemporary deformation rates. (2 hours lecture, 2 hours activity, field trips)

#### **481A Geology Field Camp I (4)**

Prerequisites: Geological Sci 303B, 321, 335, 360 and 380. Advanced geologic mapping in a variety of geologic settings. Field report, map and cross-sections required. Instructional fee required. (45 hours per week for four weeks during summer)

#### **481B Geology Field Camp II (3)**

Prerequisites: Geological Sci 380 and consent of instructor. Advanced geologic field work in a variety of geologic settings. Field report, map and cross-sections required. Instructional fee required. (45 hours a week for three weeks during summer)

#### **481C Hydrology and Engineering Geology Field Camp (4)**

Prerequisites: Geological Sci 376, 380 and 436. Geologic mapping and hydrologic mapping and techniques applied to integrated hydro-geologic model for selected areas. Field report(s), map(s), cross-sections required. Instructional fee required. (45 hours per week for three weeks during summer)

#### **493 Directed Studies (1-3)**

Prerequisites: upper-division standing and consent of instructor. Directed studies in specialized areas of the geological sciences, such as petroleum geology, sedimentology, optical and instrumentation techniques. Library research and written reports required. May be repeated once with a different topic. Not available for M.S. Geology graduate credit.

#### **495 Geological Sciences Internship (3)**

Prerequisite: junior or senior standing in geological sciences. Geological sciences work experience, salaried or volunteer, with industry, government or private agencies. Student intern will be supervised by faculty adviser and employer. (1 hour of seminar per week plus a total of 120-150 hours of work experience)

#### **496L Geological Sciences Tutorial (2)**

Prerequisite: at least 20 completed units in geological sciences, in good academic standing. Provides a maximum of 6 hours per week of supervised tutoring or teaching experiences (including office hours) for undergraduate students assisting in laboratory or field geology classes. Not available for M.S. geology graduate credit.

#### **498 Undergraduate Thesis (1-3)**

Prerequisites: approval of thesis adviser for first unit. Completion of thesis proposal that is approved by thesis adviser and the Department Undergraduate Adviser for second and subsequent units. Extension of an advanced course, conducted independently by the student under faculty supervision, culminating in a paper of professional quality. Must be repeated for three units total.

#### **499L Independent Study (1-3)**

Independent study of a topic selected in consultation with and completed under the supervision of the instructor. Not available for M. S. Geology degree credit.

#### **500 Advanced Concepts in Geology (3)**

Current advances in geological concepts with emphasis on Southern California geology. Concepts include: plate tectonics; igneous processes; sedimentary record; surficial processes; water resources. (2 hours lecture, 2 hours activity, field trips)

#### **501 Research Methods in Geology (1)**

Prerequisite: Geological Sci 500. Introduction to research planning: choosing a thesis topic; bibliographic search; research design (laboratory and field); research proposal preparation. (2 hours activity)

**506T Advanced Topics in Geochemistry (3)**

Prerequisite: Geological Sci 406 or consent of instructor. Special topics on modern techniques and recent advances in geochemistry, such as geochronology and environmental isotope geochemistry. May be repeated for credit with a different topic. (3 hours lecture; field trips)

**510T Advanced Topics in Geology (3)**

Prerequisite: consent of instructor. Modern techniques and recent advances in geology, such as basin analysis, igneous petrology, tectonics and paleoclimatology. May be repeated for credit with a different topic. (3 hours lecture; field trips)

**535T Advanced Topics in Hydrogeology (3)**

Prerequisite: graduate standing or consent of instructor. Modern techniques and recent advances in hydrogeology, such as groundwater modeling, well hydraulics and aquifer analysis, contaminant hydro-geology, hydrogeochemistry and environmental sampling and protocols. May be repeated for credit with a different topic. (3 hours lecture; field trips)

**555T Advanced Topics in Geophysics (3)**

Prerequisite: consent of instructor. Selected topics in geophysics. Evaluation of whole-Earth geodynamics; geophysical evidence of large-scale Earth properties; links between earthquakes and plate tectonics. (3 hours lecture/discussion, field trips.) May be repeated for credit once with different topic.

**575T Advanced Topics in Engineering Geology (3)**

Prerequisite: consent of instructor. Modern techniques and recent advances in engineering geology, such as Quaternary geology, landslide analysis and paleoseismology. May be repeated for credit with a different topic. (3 hours lecture; field trips)

**590 Geoscience Seminar (1)**

Attendance at departmental and other seminars. Discussion and/or written assignments based on seminar topics required. Must be repeated at least once.

**593 Directed Graduate Studies in the Geosciences (1-3)**

Prerequisites: Postbaccalaureate standing and consent of instructor. Directed studies of specialized geoscience topics not covered by existing courses and tailored to individual student interest. Literature research, recitations and written reports required. May be repeated for a total of 3 units.

**598 Thesis (1-3)**

Prerequisites: approval of thesis adviser for the first unit. Completion of M.S. Thesis proposal that is approved by thesis committee and the Department Graduate Committee Chair for second and subsequent units. Design, analysis and presentation of a research problem culminating in a thesis for the master's degree. May be repeated for up to six units total.

**599 Independent Graduate Research (1-3)**

Prerequisites: approval of adviser and Department Graduate Committee. Independent research on an approved topic. May be repeated for up to 3 units maximum.

# Gerontology

College of Humanities and Social Sciences

## INTRODUCTION

Gerontology, the study of aging, is a multidisciplinary field that examines the biological, psychological, social and health/fitness aspects of the aging process. The unprecedented growth of the older population has created a growing demand for professionals in a variety of fields who understand issues related to the aging process.

Programs in Gerontology provide students with knowledge and critical understanding of the processes of adult development and aging. They prepare students for a variety of career opportunities in business, government, industry, public and private agencies, health and human services, research and education, and entrepreneurial endeavors. Many career options involve working with healthy and independent older adults, while other positions involve working with older adults who have health problems and other age-related limitations.

## ADVISEMENT

Academic and career advisement is provided by the Coordinator of the Gerontology Program and members of the Gerontology Program Council. Student advising is provided at the Gerontology Academic Program Office, CP-900.

Information on job and volunteer opportunities, as well as professional events in gerontology, is posted near the Gerontology Institute office, Ruby Gerontology Center, Room 8. Students are urged to take advantage of programs available through the Career Development and Counseling Center, Langsdorf Hall 208.

## RUBY GERONTOLOGY CENTER

The Charles L. and Rachael E. Ruby Gerontology Center serves as a forum for intellectual activity and creative scholarship in the area of gerontology. The center houses the activities of the Continuing Learning Experience, the Institute of Gerontology, as well as being a resource center on aging for the Orange County region.

The center's goals include: promoting educational programs concerning adult development and aging; developing productive intergenerational activities in education and research; fostering cross-disciplinary research on topics related to aging and later life; providing opportunities for lifelong learning; and expanding opportunities for professional growth and development for those interested in gerontology.

Students are encouraged to become involved in research, conferences and community service activities of the Center.

## GERONTOLOGY AWARDS AND SCHOLARSHIPS

The Beverly and Arnold Miller University Scholarships in Gerontology are open to continuing junior/senior students with a declared minor, emphasis or concentration in aging, gerontology or older adult health/wellness and to graduate students accepted into the M.S. in Gerontology degree program. Students must have demonstrated an interest in a career in the field of gerontology and/or older adult health/wellness.

The Kirt and Donna Spradlin Scholarships in Gerontology are open to continuing graduate students in gerontology. Criteria include academic achievement, professional promise and demonstrated interest in a career in the field of aging.

## PROGRAM COORDINATOR

Joseph A. Weber

## PROGRAM OFFICE

College Park 900

## DEPARTMENT WEBSITE

<http://hss.fullerton.edu/gerontology>

## PROGRAMS OFFERED

Minor in Gerontology  
Concentration in Gerontology  
Master of Science in Gerontology

## PROGRAM COUNCIL

Pauline Abbott (Director, Institute of Gerontology)  
Naoko Akashi (Economics)  
Dennis Berg (Sociology)  
Echo Chang (Sociology and Gerontology)  
Dana Collins (Sociology)  
John Doyle (Human Services)  
Barbara Erickson (Anthropology)  
Charlotte Fox (Osher Lifelong Learning Institute, OLLI)  
Barbara Haddad (Nursing)  
Sara Johnson, (Anthropology)  
Jessie Jones (Health Science)  
Thomas Klammer (H&SS College Dean)  
Robert Koch (Biology)  
Edith Krampe (Sociology)  
Davina Ling (Economics)  
Margaret Luzzi (Extended Education)  
Shari McMahan (Health Science)  
Karen Perell (Kinesiology)  
Carter Rakovski (Sociology)  
Mary Read (Counseling)  
Carl Renold (Human Services)  
Roberta Rikli (H&HD College Dean)  
Debbie Rose (Kinesiology)  
Wendy Elliott Scheinberg (Oral History)  
Kirt Spradlin (Osher Lifelong Learning Institute, OLLI)  
Chandra Srinivasan (Biochemistry)  
Barbara Talento (Osher Lifelong Learning Institute, OLLI)  
Eileen Walsh (Sociology)  
Andy Washington (Osher Lifelong Learning Institute, OLLI)  
Peggy Weatherspoon (Gerontology Academic Program, Sociology)  
Joseph A. Weber (Coordinator, Gerontology Academic Program, Sociology)  
Karen Wong (Sociology and Gerontology)  
Laura Zettel-Watson (Psychology)

The Mary Lois Ayres Scholarships in Gerontology are open to continuing upper division undergraduate students with a concentration or minor in gerontology and first year graduate students in gerontology. Criteria include academic achievement, professional promise and demonstrated interest in a career in the field of aging.

The Osher Lifelong Learning Institute (OLLI) Outstanding Graduate Student Award is offered each June to a MS Gerontology candidate graduating in June or having graduated in the preceding summer or fall semester at California State University, Fullerton. This award will come from a special account funded by contributions from OLLI members.

## STUDENT ACTIVITIES

Students interested in gerontology are encouraged to join the Student Association for Gerontology Education (SAGE) and the Gamma Kappa Chapter of Sigma Phi Omega, a national honor society. Opportunities are available to become involved in research, conferences and community service activities. Students are also encouraged to become active in professional gerontology organizations such as the California Council on Gerontology and Geriatrics (CCGG). Applications are available at the Gerontology Program office, Ruby Gerontology Center, Room 8 and in the Gerontology Academic Program Office, College Park 900.

## MINOR IN GERONTOLOGY

The Gerontology minor consists of 21 units in the following areas:

### Lower-Division Requirements (3 units)

Sociology 133 Introduction to Gerontology (3)\*

### Upper-Division Requirements (9 units from the following)

Biology 306 Biology of Aging (3)\*

Kinesiology 454 Physical Dimensions of Aging (3)

Psychology 362 Psychology of Aging (3)\*

Sociology 443 Sociology of Aging (3)

### Required Internship (3 units)

One three-unit internship at the 300/400 level in a related field. An internship is a supervised experience working within the community. Internships are coordinated through the student's major department.

### Upper-Division Electives (6 units, adviser approved)

Anthropology 308 Culture and Aging: Anthropological Gerontology (3)

Anthropology 408 Ethnogerontology (3)

Anthropology 417 Life Quests (3)

Biology 306 Biology of Aging (3)\*

Biology 311 Nutrition and Disease (3)\*

Child/Adolescent Studies 312 Human Growth and Development (3)\*

Counseling 475T Counseling Special Populations (3)

Finance 411 Retirement and Estate Planning (3)

History 413 Oral History/Guided Autobiography (3)

Health Sci 342 Stress Management (3)\*

Health Sci 401 Epidemiology (3)

Health Sci 440 Determinants of Health Behavior (3)

Health Sci 450 Applied Health Promotion in Aging Populations (3)

Human Comm 320 Intercultural Communication (3)\*

Human Comm 345 Communication and Aging (3)\*

Human Services 310 Case Management (3)

Human Services 380 Theories and Techniques of Counseling (3)\*

Human Services 385 Program Design and Proposal Writing (3)

Human Services 400 Ethical and Professional Issues in Human Services (3)

Human Services 410 Crisis Intervention (3)

Human Services 420 Human Services Management (3)

Human Services 480 Case Analysis and Intervention Techniques (3)

Kinesiology 353 Physical Activity and Lifelong Well-Being (3)\*

Kinesiology 364 Motor Development (3)

Kinesiology 371 Human Motor Learning and Control (3)

Kinesiology 400 Program Design in Kinesiology (3)

Kinesiology 454 Physical Dimensions of Aging (3)

Kinesiology 455 Functional Performance Assessment and Programming for Older Adults (3)

Management 435 Service Organizations and Operations (3)

Marketing 351 Principles of Marketing (3)

Nursing 301 Promotion of Optimal Health (3)\*

Nursing 303 Women's Health and Healing (3)\*

Nursing 357 Health Promotion: Adult-Aged Nursing (3)

Philosophy 314 Medical Ethics (3)\*

Philosophy 448 Death, Dying and Meaning (3)

Psychology 302 Learning and Memory (3)

Psychology 303 Sensation and Perception (3)

Psychology 361 Developmental Psychology (3)

Psychology 362 Psychology of Aging (3)

Psychology 415 Cognitive Processes (3)

Psychology 474 Medical Psychology (3)

Psychology 475 Psychopharmacology (3)

Sociology 351 Sociology of Families (3)\*

Sociology 354 Gender, Sex and Society (3)\*

Sociology 360 Death and Dying (3)\*

Sociology 361 Population and the Environment (3)\*

Sociology 371 Sociology of City Life (3)\*

Sociology 433 Aging and Social Services (3)

Sociology 443 Sociology of Aging (3)

Women's Studies 410 Women, Health and Aging (3)

Additional elective courses are available in selected departments across campus. Such additional electives are chosen in consultation with the major department adviser and with the approval of the Coordinator of Gerontology Program. Up to nine units of coursework may be applied to both the major and Gerontology minor.

---

\* Meets General Education requirement.

### **MAJORS THAT COMPLEMENT THE MINOR IN GERONTOLOGY**

The Gerontology minor is available and appropriate to strengthen and otherwise complement the coursework of students in many majors. Notation of the minor appears on the transcript and the diploma.

### **MASTER OF SCIENCE IN GERONTOLOGY**

The Master of Science program combines training in both scientific and applied areas of gerontology. Because various departments across the university participate in the program, the student is able to design a study plan that will meet his or her individual needs. In addition to coursework in research and theory, the program provides preparation for work in a variety of settings. It can also be tailored to meet the needs of the student who wants to prepare for a doctoral program.

#### **Application Deadlines**

The deadlines for completing online applications are March 1 for the fall semester and October 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be post-marked by the same deadlines. However, deadlines may be changed based upon enrollment projections. Check for current information at <http://hss.fullerton.edu/gerontology>.

#### **Admissions to Graduate Standing: Conditionally Classified**

An applicant who meets the following requirements may be considered for conditionally classified graduate standing: a baccalaureate degree from an accredited institution and a grade point average of at least 3.0 in the last 60 units attempted; submission of the formal application form; submission of two copies of transcripts from all institutions attended; three letters of recommendation; and a letter from the student stating professional objectives. A Gerontology Program Application form must be filed with the Gerontology Program Office.

The baccalaureate must be in gerontology or a related field in conjunction with an undergraduate minor, certificate or emphasis in gerontology or the equivalent. In the absence of the above, the student should have the following 12 units of upper-division coursework in gerontology or their equivalent:

Biology 306 Biology of Aging (3 units)

Kinesiology 454 Physical Dimensions of Aging (3 units)

Psychology 362 Psychology of Aging (3 units)

Sociology 443 Sociology of Aging (3 units)

The following additional criteria may be taken into consideration: research experience, previous paid or volunteer experience in working with elderly people.

It may be possible for applicants who have minimal deficiencies in prerequisite requirements, as detailed above, but who are otherwise highly qualified, to be admitted in conditionally classified graduate standing, with provisions made for removal of deficiencies prior to the granting of classified standing. For further information, consult with the Gerontology Academic Program Coordinator.

#### **Admissions to Graduate Standing: Classified**

Each student, in consultation with the Program Coordinator, will develop a study plan. This will be outlined on an official university Study Plan Form. Students who have met the requirements for conditionally classified standing will be granted classified standing upon submission of an adviser-approved study plan to the Graduate Studies office.

#### **Study Plan**

The Master of Science in Gerontology requires 30 units of approved graduate work with a minimum of 21 units at the 500 level.

*Required Core Courses (12 units)*

Gerontology 500 Adult Development and Aging (3)

Gerontology 501 Research Methods in Gerontology (3)

Gerontology 503 Aging and Public Policy (3)

Gerontology 595 Gerontology Internship (3)

*Gerontology Electives (6-9 units)*

*Multidisciplinary Electives (6-9 units)*

Selected from two or more departments with the program coordinator's approval:

*Exit Option (0-3 units)\**

Gerontology 598 Thesis (3)

OR Gerontology Project 597 (3)

OR Comprehensive Exam (0 units)

---

\*If a project or thesis is not done, an additional three units of a Gerontology 500-level elective course and a comprehensive examination must be taken.

### **OTHER GERONTOLOGY PROGRAMS**

#### **Sociology, B.A.**

A concentration in Gerontology is offered within the Bachelor of Arts in Sociology. Degree requirements are outlined in the Sociology Department concentration options section of this catalog.

#### **Kinesiology, B.S., M.S.**

Students pursuing the B.S. or M.S. in Kinesiology may choose a focus area in Gerontology. Requirements are available through the Department of Kinesiology.

#### **Human Services, B.S.**

Students pursuing a B.S. in Human Services may choose a gerontology track. Requirements are available through the Department of Human Services.

## GERONTOLOGY COURSES

Courses are designated as GERO in the class schedule.

### 133 Introduction to Gerontology (3)

(Same as Sociology 133)

### 410 Women, Health and Aging (3)

(Same as Women's Studies 410)

### 413 Oral History/Guided Autobiography (3)

(Same as History 413.)

### 420 Aging and Dementia (3)

Prerequisites: completion of G. E. Section I; satisfies the upper-division writing requirement; Psychology 201 or Sociology 303 or equivalent; or classified graduate standing. Physiological, psychological, social, economic aspects of dementia; its impact on the individual, family and society, with an emphasis on Alzheimer's disease. One or more sections offered online.

### 425 Successful Aging and Gerotechnology (3)

Prerequisites: Completion of G. E. Category I.A., I.B., and I.C.; Sociology/Gero 133, or classified graduate standing. Gerotechnology is the study of technology and aging. This course explores the impact of computer and internet, devices for sensory impairments, telehealth, smart home, automobile and transportation innovation on older adults, caregivers and society.

### 433 Aging and Social Services (3)

(Same as Sociology 433)

### 443 Sociology of Aging (3)

(Same as Sociology 443)

### 450 Applied Health Promotion in Aging Populations (3)

(Same as Health Science 450)

### 500 Adult Development and Aging (3)

Prerequisite: graduate standing and/or admission into a master's program. Overview of theory and research on biological, psychological and social changes that accompany adult development and aging. May include a service learning component. One or more sections offered online. (Same as Sociology 500)

### 501 Research Methods in Gerontology (3)

Prerequisite: admission to M.S. in Gerontology. Overview of research processes and problems in gerontology; more detailed study of applied research, including program evaluation in the field of gerontology.

### 503 Aging and Public Policy (3)

Prerequisites: Gero 500, Sociology 443, Political Science 309 or 315 or classified graduate student status. Origin, development and overview of public policies affecting older persons, families and service providers. Political administrative, advocacy and private sector involvements in employment, retirement, income security, health care, social services and housing of older persons. May include a service learning component. (Same as Political Science 503 and Sociology 503)

### 504T Selected Topics in Gerontology (3)

Prerequisites: classified status in a master's program. A detailed examination of a selected area of gerontology. Emphasis will be both on the relevant literature and on the preparation, presentation (oral and written) and discussion of research papers. May be repeated once for credit with a different topic. (Same as Sociology 504T)



### 506 Economics of Aging (3)

Prerequisites: admission into the Gerontology M.S. Program or classified BAE status and Gero 501 or Economics 340. Economic consequences of population aging and the economic status of the aged. Income adequacy in old age: dependency, work income, retirement planning, social security, employer-sponsored pensions and financing health care. Economic security today and tomorrow. International comparisons. (Same as Economics 506)

### 507 Professional Issues in Gerontology (3)

Prerequisite: classified graduate student status. An introduction to the concepts, attitudes, knowledge, skills and ethical issues upon which professional practice in gerontology is based.

**508 Social and Ethical Issues in Aging (3)**

Prerequisite: graduate standing in Gerontology, Sociology or Public Health. Analysis of social and ethical issues facing an aging society. Review of ethical terminology, ethical decision making and social implications of ethical issues related to such topics as nursing homes, caregiving, suicide and intergenerational equality. (Same as Sociology 508.)

**526 Administration and Systems Management (3)**

(Same as Political Science 526).

**595 Gerontology Internship (3)**

Prerequisites: classified status in the M.S. in Gerontology degree program and consent of instructor and Program Coordinator. Supervised experience in organizations that serve older adults and their families. May be repeated once for credit.

**597 Project (3)**

Prerequisites: classified status in the M.S. in Gerontology Program and consent of instructor and Program Coordinator. Under the direction of a faculty member, a topic that integrates learning in the program with an applied area of student interests will be selected and a major project on the topic will be developed and submitted.

**598 Thesis (3)**

Prerequisites: classified status in the M.S. in Gerontology degree program and consent of instructor and Program Coordinator. Individual research under supervision, reported in a thesis and defended successfully in an oral examination conducted by a faculty thesis committee.

**599 Independent Study in Gerontology (1-3)**

Prerequisites: completion of the M.S. in Gerontology core courses. Individualized study with an instructor whose recognized interests are in the area of the planned study. Conferences with the instructor as necessary and the work will culminate in one or more papers. May be repeated once for credit.



# Health Science

College of Health and Human Development

## DEPARTMENT CHAIR

Shari McMahan

## DEPARTMENT OFFICE

Kinesiology and Health Science 121  
(KHS)

## DEPARTMENT WEBSITE

<http://hdcs.fullerton.edu/hesc>

## PROGRAMS OFFERED

Bachelor of Science in Health Science  
Minor in Health Science  
Master of Public Health

## FACULTY

Laura Chandler, Anthony Di Stefano,  
Jasmeet Gill, C. Jessie Jones, Danny  
Kim, Kathleen Koser, Shari McMahan,  
Michele Mouttapa, Archana McEligot,  
Sora Tanjasiri, Dara Vazin, Jie Weiss

## INTRODUCTION

The mission of health science focuses on understanding and promoting health in diverse populations. Health science bridges the gap between scientific discoveries and the application of this knowledge to improve the quality of people's lives. Health science research reflects the range of diverse health problems, settings and populations. The approach considers the multi-level determinants of health and well-being, including individuals, groups, organizations and communities. Health science professionals work at these various levels to implement and evaluate efforts that promote health and prevent illness and disease. An important aspect of this process involves empowering people to change the factors that influence their health and well-being, be it within the individual or in their social environment.

The health science program offers a Bachelor of Science degree in Health Science with focus areas in health promotion and disease prevention, occupational and environmental health or special studies. The undergraduate minor in Health Science, based on core curricula, provides opportunities for professional and/or personal enhancement.

The Master of Public Health (MPH) degree combines the study of the biological, physical, psychological, economic and social forces affecting the human condition. The degree's curriculum seeks to analyze not only the nature and context of public health problems, but the organizational, behavioral, socio-cultural and political constraints to ameliorating these problems. Through experiences in and out of the classroom, students develop the habit of intellectual inquiry, prepare for challenging professions, strengthen relationships to their communities and contribute productively to society.

The Master of Public Health has a required core curriculum, plus individualized courses leading to professional or disciplinary specific preparation. In addition, select courses within the curriculum service various credential programs and other university degree programs that require health science foundations. Internships, practica, independent study and scholarly outreach provide opportunities for interaction and service within the community.

## Learning Goals and Student Learning Outcomes

The following goals and learning outcomes have been established for students pursuing a degree in health science:

### *Multilevel ecological framework*

- Implement and evaluate multilevel efforts that promote health and prevent illness and disease in various settings among diverse populations

### *Critical thinking and problem solving*

- Interpret and analyze scholarly research and literature and advocate for health science issues
- Understand theories, research design, sampling methodology and measurement
- Evaluate health promotion programs and critique information provided by media and other primary and secondary sources

### *Information and health literacy*

- Access and comprehend quality information sources relevant to specific health issues
- Integrate and evaluate information to draw reasonable conclusions based on evidence
- Articulate ideas, taking into consideration purpose, audience and presentation mode

### *Field-based practice*

- Integrate the multilevel health science framework to foster effective practice and work successfully with diverse populations
- Exhibit knowledge of the purpose, structure and processes of community organizations and government agencies focused on health needs through the lifespan and demonstrate an ability to use that knowledge effectively to shape and enhance communities
- Understand that the needs of populations are multifaceted and may best be addressed from a collaborative, interdisciplinary approach

### *Professional growth*

- Engage in regular self-assessment of professional public health and health education competencies and practice within the scope of expertise
- Develop collaborative skills to work productively in groups and demonstrate an understanding of professional standards, ethical practice and legal mandates
- Commit to using health science knowledge to advocate on behalf of underserved populations

### **Student Awards/Scholarships**

Awards and scholarships are presented each year to outstanding undergraduate and graduate students. Additional information is available in the Health Science Department office.

### **Advisement**

Entering students interested in Health Science should contact the Health Science Student Advising Center in KHS 251 prior to their first semester at Cal State Fullerton to receive appropriate advisement materials. Students transferring coursework from other colleges and universities should provide official transcripts of all prior coursework to the Health Science Student Advising Center.

Transfer students and students seeking advisement related to completion of General Education requirements, should visit the Academic Advisement Center located in University Hall 123.

### **BACHELOR OF SCIENCE IN HEALTH SCIENCE**

The Bachelor of Science degree in Health Science is offered for students who are preparing for careers as health educators, as well as for those who seek quality preparation for advanced study. Students in Health Science learn how to effectively plan, implement and evaluate prevention strategies that are practical and effective at the community, state and national levels. In addition, through required and elective coursework, students must complete a focus area in health promo-

tion and disease prevention, occupational and environmental health or special studies. The competency-based degree program prepares students for certification as health education specialists and for careers in community health, worksite health promotion, occupational health and safety and/or environmental health. The degree consists of 120 units with 52 units required in the major.

Each course counted toward the major, including prerequisites, must be completed with a grade of “C” (2.0) or higher. All courses counted toward the major must be taken on an Option 1 (letter grade) basis.

### **Prerequisite Coursework Applicable to General Education (13 units)**

Biology 101 Elements of Biology (3)

Chemistry 100 Survey of Chemistry (3)

Chemistry 100L Survey of Chemistry Lab (1)

Psychology 101 Introduction to Psychology (3)

Human Comm 102 Public Speaking (3)

### **Core Courses (28 units)**

Health Sci 101 Personal Health (3)

Kinesiology 210 Human Anatomy and Physiology (3)

Health Sci 220 Concepts in Health Science (3), prerequisite for all Health Sci 400-level courses; concurrent with Health Sci 494 Practicum in Health Science (1)

Health Sci 349 Measurement and Statistics in Health Science (3)

Health Sci 400 Program Design for Kinesiology and Health Promotion (3)

Health Sci 401 Epidemiology (3)

Health Sci 440 Determinants of Health Behavior (3)

Health Sci 475 Health Science Planning, Research and Evaluation (3)

Health Sci 495 Internship in Health Science (3)

### **Advising Tracks (21 units)**

In addition to the core requirements that all health science majors must complete, students are required to select one of the three advising tracks to successfully complete the requirements of the degree.

### **Health Promotion and Disease Prevention Advising Track (21 units)**

#### *Required (9 units)*

Health Sci 410 Community Health Education (3)

Health Sci 411 Promoting Health in Multicultural Populations (3)

Health Sci 460 Worksite Health Promotion (3)

#### *Electives (6-12 units)*

Health Sci 321 Drugs and Society (3)

Health Sci 325 Consumer Health (3)

Health Sci 342 Stress Management (3)

Health Sci 350 Nutrition (3)  
 Health Sci 353 Physical Activity and Lifelong Well-being (3)  
 Health Sci 358 Contemporary Issues in Children's Health (3)  
 Health Sci 405 Worksite Injury Prevention and Rehabilitation (3)  
 Health Sci 415 Environmental Health (3)  
 Health Sci 450 Applied Health Promotion in Aging Populations (3)  
 Health Sci 461 Occupational Safety and Health (3)  
*Elective Courses from other Departments (0-6 units)*  
 Students choose a maximum of six adviser-approved units from the following  
 Afro Ethnic 304 The Black Family (3)  
 American Studies 438 American Minds: Images of Sickness and Health (3)  
 Anthro 308 Culture and Aging: Anthropological Gerontology (3)  
 Anthro 315 Culture and Nutrition (3)  
 Anthro 322 Human Behavioral Ecology (3)  
 Anthro 344 Human Evolution (3)  
 Asian Amer 340 Asian American Communication (3)  
 Asian Amer 342 Asian Pacific American Families (3)  
 Asian Amer 346 Asian American Psychology (3)  
 Asian Amer 348 Asian American Perspectives in Aging (3)  
 Biology 300 Environmental Biology (3)  
 Biology 302 General Microbiology (3)  
 Biology 305 Human Heredity and Development (3)  
 Biology 306 Biology of Aging (3)  
 Biology 310 Human Physiology (3)  
 Biology 360 Biology of Human Sexuality (3)  
 Biology 361 Human Anatomy (4)  
 Chemistry 301A Organic Chemistry (3)  
 Chemistry 301B Organic Chemistry (3)  
 Chemistry 302 Organic Chemistry Lab (2)  
 Chemistry 302A Organic Chemistry Lab (1)  
 Chemistry 302B Organic Chemistry Lab (1)  
 Chemistry 303A Biotechnology: Business and Society (1)  
 Chemistry 303B Medical Biotechnology (1)  
 Chemistry 303C Agricultural/Environmental Biotechnology (1)  
 Chemistry 311 Nutrition and Disease (3)  
 Chemistry 313A Air Pollution (1)  
 Chemistry 313B Water Pollution (1)  
 Chemistry 313C Land Pollution (1)  
 Chicana/o 305 The Chicano Family (3)  
 Geography 350 Nature and Society (3)  
 Kinesiology 348 Physiology of Exercise (3)

Kinesiology 351 Principles of Strength and Conditioning (3)  
 Kinesiology 432 Applied Exercise Psychology (3)  
 Kinesiology 454 Physical Activity and the Aging Process (3)  
 Nursing/Health Sci 301 Promotion of Optimal Health (3)  
 Philosophy 314 Medical Ethics (3)  
 Psychology 312 Psychology of Human Sexual Behavior (3)  
 Psychology 341 Abnormal Psychology (3)  
 Psychology 350 Environmental Psychology (3)  
 Psychology 351 Social Psychology (3)  
 Psychology 362 Psychology of Aging (3)  
 Psychology 391 Industrial/Organizational Psychology (3)  
 Sociology 300 Introduction of Social Welfare (3)  
 Sociology 354 Gender, Sex and Society (3)  
 Sociology 360 Sociology of Death and Dying (3)  
 Sociology 361 Population and the Environment (3)  
 Sociology 381 Sociology of Human Sexualities (3)  
 Sociology 385 Family Violence (3)  
 Sociology 443 Sociology of Aging (3)  
 Special Ed 371 Exceptional Individual (3)  
 Women's Studies 410 Women's Health and Aging (3)

### **Environmental and Occupational Health and Safety Advising Track (21 units)**

#### *Required (9 units)*

Health Science 405 Worksite Injury Prevention and Rehabilitation (3)  
 Health Science 415 Environmental Health (3)  
 Health Science 461 Occupational Safety and Health (3)

#### *Electives (6-12 units)*

Health Sci 321 Drugs and Society (3)  
 Health Sci 325 Consumer Health (3)  
 Health Sci 342 Stress Management (3)  
 Health Sci 350 Nutrition (3)  
 Health Sci 353 Physical Activity and Lifelong Well-being (3)  
 Health Sci 358 Contemporary Issues in Children's Health (3)  
 Health Sci 410 Community Health Education (3)  
 Health Sci 411 Promoting Health in Multicultural Populations (3)  
 Health Sci 450 Applied Health Promotion in Aging Populations (3)  
 Health Sci 460 Worksite Health Promotion (3)

#### *Elective Courses from other Departments (0-6)*

Students choose maximum six adviser-approved units from the department's approved list of elective courses (see elective list above under "Health Promotion and Disease Prevention" electives from other departments).

### Special Studies Advising Track (21 units)

Students meet with an adviser and develop a “Special Studies” program consisting of 21 adviser-approved units from the following:

Health Sci 321 Drugs and Society (3)  
Health Sci 325 Consumer Health (3)  
Health Sci 342 Stress Management (3)  
Health Sci 350 Nutrition (3)  
Health Sci 353 Physical Activity and Lifelong Well-Being (3)  
Health Sci 358 Contemporary Issues in Children’s Health (3)  
Health Sci 405 Worksite Injury Prevention and Rehabilitation (3)  
Health Sci 410 Community Health Education (3)  
Health Sci 411 Promoting Health in Multicultural Populations (3)  
Health Sci 415 Environmental Health (3)  
Health Sci 450 Applied Health Promotion in Aging Populations (3)  
Health Sci 460 Worksite Health Promotion (3)  
Health Sci 461 Occupational Health and Safety (3)  
Biology 302 General Microbiology (4)  
Biology 305 Human Heredity and Development (3)  
Biology 306 Biology of Aging (3)  
Biology 310 Human Physiology (3)  
Biology 360 Biology of Human Sexuality (3)  
Biology 361 Human Anatomy (4)  
Chemistry 301A Organic Chemistry (3)  
Chemistry 301B Organic Chemistry (3)  
Chemistry 302 Organic Chemistry Lab (2)  
Chemistry 302A Organic Chemistry Lab (1)  
Chemistry 302B Organic Chemistry Lab (1)  
Chemistry 303A Biotechnology: Business and Society (1)  
Chemistry 303B Medical Biotechnology (1)  
Chemistry 303C Agricultural/Environmental Biotechnology (1)  
Chemistry 311 Nutrition and Disease (3)  
Chemistry 313A Air Pollution (1)  
Chemistry 313B Water Pollution (1)  
Chemistry 313C Land Pollution (1)  
Chemistry 303B Medical Biotechnology (1)  
Chemistry 303C Agricultural/Environmental Biotechnology (1)  
Chemistry 311 Nutrition and Disease (3)  
Chemistry 313A Air Pollution (1)  
Chemistry 313B Water Pollution (1)  
Chemistry 313C Land Pollution (1)  
Geography 350 Nature and Society (3)  
Kinesiology 348 Physiology of Exercise (3)  
Kinesiology 351 Principles of Strength and Conditioning (3)

Kinesiology 432 Applied Exercise Psychology (3)  
Kinesiology 454 Physical Activity and the Aging Process (3)  
Nursing/Health Sci 301 Promotion of Optimal Health (3)  
Philosophy 314 Medical Ethics (3)  
Psychology 312 Psychology of Human Sexual Behavior (3)  
Psychology 341 Abnormal Psychology (3)  
Psychology 350 Environmental Psychology (3)  
Psychology 351 Social Psychology (3)  
Psychology 362 Psychology of Aging (3)  
Psychology 391 Industrial/Organizational Psychology (3)  
Sociology 300 Introduction of Social Welfare (3)  
Sociology 354 Gender, Sex and Society (3)  
Sociology 361 Population and the Environment (3)  
Sociology 381 Sociology of Human Sexualities (3)  
Sociology 385 Family Violence (3)  
Sociology 443 Sociology of Aging (3)  
Special Ed 371 Exceptional Individual (3)  
Women’s Studies 410 Women’s Health and Aging (3)

### English Proficiency Requirement (3 units)

In order to satisfy the upper-division writing requirement of the university, Health Science majors must pass: (1) English 301 Advanced College Writing with a grade of “C” (2.0) or better; and (2) the Cal State Fullerton Examination in Writing Proficiency (EWP). Please see additional information provided in this catalog on the writing requirement.

### MINOR IN HEALTH SCIENCE

The Department of Health Science offers a minor in health science consisting of 21-22 units. Students interested in personal growth, community service, intellectual stimulation and professional career opportunities in the health field will find this minor a method to achieve these goals. The minor provides a concentration of health-related courses that can enhance skills for students majoring in fields such as Biology, Chemistry, Child and Adolescent Studies, Human Services, Kinesiology, Psychology and Sociology.

The minor provides students with necessary tools to understand factors contributing to the promotion of health and well-being and the prevention of disease and disability. This sequence of courses offers traditional and modern approaches to education and career development in the Health Science field. It encourages a multi-disciplinary orientation.

There are two advising tracks: Health Promotion and Disease Prevention (21 units); and Environmental and Occupational Health (22 units). The Health Promotion and Disease Prevention track provides students with a broad overview of health and well-being, health behavior theory and specialized content areas to meet students’ interests. The Environmental and Occupational Health track provides students with the necessary coursework to become eligible

for the Registered Environmental Health Specialist (REHS) Exam offered by the California Department of Health Services.

In completing the requirements for the minor, a minimum of 12 units, of which at least six must be upper division, must be distinct and different from the units used to complete the requirements of the major. Any units above the minimum requirement, which can be used to satisfy both the requirements for the minor and for the major, may be double counted. General education courses, however, may be used to meet minor requirements.

Coursework must be taken for a letter grade and completed with a “C” (2.0) grade or better to be counted toward the minor.

### **Core Courses (6 units)**

Health Sci 101 Personal Health (3)

Health Sci 401 Epidemiology (3)

OR Health Sci 440 Determinants of Health Behavior (3)

---

Students preparing to take the REHS exam should select Health Science 401.

### **Health Promotion and Disease Prevention Track Electives (15 units)**

*Health Science Electives (9-15 units of the following):*

Health Sci 321 Drugs and Society (3)

Health Sci 325 Consumer Health (3)

Health Sci/Kinesiology 342 Stress Management (3)

Health Sci/Kinesiology 350 Nutrition (3)

Health Sci 358 Contemporary Issues in Children’s Health (3)

Health Sci 405 Worksite Injury Prevention and Rehabilitation (3)

Health Sci 410 Community Health Education (3)

Health Sci 411 Promoting Health in Multicultural Populations (3)

Health Sci 450 Applied Health Promotion in Aging Populations (3)

Health Sci 460 Worksite Health Promotion (3)

Health Sci 461 Occupational Health and Safety (3)

Kinesiology/Health Sci 353 Physical Activity and Lifelong Well-Being (3)

*Elective Courses from other Departments (0-6 units with adviser approval):*

Afro Ethnic 304 The Black Family (3)

American Studies 438 American Minds: Images of Sickness and Health (3)

Anthro 308 Culture and Aging: Anthropological Gerontology (3)

Anthro 315 Culture and Nutrition (3)

Anthro 322 Human Behavioral Ecology (3)

Anthro 342 Anthropology and Health (3)

Anthro 344 Human Evolution (3)

Asian Amer 201 History of Asian Americans (3)

Asian Amer 300 Introduction to Asian Pacific American Studies (3)

Asian Amer 340 Asian American Communication (3)

Asian Amer 342 Asian Pacific American Families (3)

Asian Amer 346 Asian American Psychology (3)

Biology 300 Environmental Biology (3)

Biology 305 Human Heredity and Development (3)

Biology 306 Biology of Aging (3)

Biology 310 Human Physiology (3)

Biology 360 Biology of Human Sexuality (3)

Biology 361 Human Anatomy (4)

Chemistry 303A Biotechnology: Business and Society (1)

Chemistry 303B Biotechnology: Medical Biotechnology (1)

Chemistry 303C Biotechnology: Agricultural and Environmental Biotechnology (1)

Chemistry 311 Nutrition and Disease (3)

Chemistry 313A Air Pollution (1)

Chemistry 313B Water Pollution (1)

Chemistry 313C Land Pollution (1)

Chicana/o 106 Introduction to Chicano Studies (3)

Chicana/o 305 The Chicano Family (3)

Chicana/o 345 History of the Chicana/o (3)

Geography 350 Nature and Society (3)

Kinesiology 348 Physiology of Exercise (3)

Kinesiology 351 Principles of Strength and Conditioning (3)

Kinesiology 454 Physical Dimensions of Aging (3)

Nursing/Health Sci 301 Promotion of Optimal Health (3)

Psychology 312 Psychology of Human Sexual Behavior (3)

Psychology 341 Abnormal Psychology (3)

Psychology 351 Social Psychology (3)

Psychology 362 Psychology of Aging (3)

Sociology 300 Introduction to Social Welfare (3)

Sociology 354 Gender, Sex and Society (3)

Sociology 360 Sociology of Death and Dying (3)

Sociology 381 Sociology of Human Sexualities (3)

Sociology 385 Family Violence (3)

Sociology 443 Sociology of Aging (3)

Special Ed 371 Exceptional Individual (3)

Women’s Studies 410 Women’s Health and Aging (3)

### **Environmental and Occupational Health Track (16 units)**

*Required Courses (12 units)*

Health Sci 415 Environmental Health (3)

Health Sci 461 Occupational Health (3)

Health Sci 349 Measurement and Statistics in Health Science (3)

OR Mathematics 120 Introduction to Probability and Statistics (3)

Poli Sci 320 Introduction to Public Management and Policy (3)

### *Elective Courses (4 units)*

Biology 438 Public Health Microbiology (4)

Chemistry 313A Environmental Pollution and its Solutions:  
Air Pollution (1)

Chemistry 313B Environmental Pollution and its Solutions:  
Water Pollution (1)

Chemistry 313C Environmental Pollution and its Solutions:  
Land Pollution (1)

Chemistry 435 Chemistry of Hazardous Materials (3)

Geology 335 General Hydrology (3)

### **MASTER OF PUBLIC HEALTH**

The purpose of the Master of Public Health program is to prepare public health professionals to draw on the knowledge and skills from a variety of disciplines and to define, critically assess, evaluate and resolve public health problems. MPH program graduates will have a common educational grounding that will enable them to work effectively with the broad spectrum of public health issues related to their public health careers.

#### **Application Deadlines**

The deadline for completing online applications is March 1 for the following fall semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadline. However, the deadline may be changed based upon enrollment projections.

#### **Admission to Graduate Standing: Classified**

Students must apply to the department and university for admission. Minimum requirements for admission to the university are:

1. An earned baccalaureate degree from an accredited college or university
2. GPA of 2.5 in the last 60 units attempted
3. Good standing at the last college attended

After meeting the above criteria, additional requirements for acceptance in the MPH program include:

1. Copy of official transcript(s) from all college work sent directly to the MPH Graduate program coordinator
2. Two letters of recommendation
3. A narrative statement (300-500 words describing how the program relates to professional goals)
4. A current résumé
5. Completion of six units of statistics and research methods (appropriate courses include statistics, epidemiology, research methods, program design and evaluation, etc.) with a grade "C" (2.0) or better
6. Appropriate education background for career track courses (nine units or equivalent within specialized track. Professionals currently in field can demonstrate proficiency by coursework or by portfolio review or similar supporting evidence).

7. GPA of 3.0 in the last 60 units completed

8. Paid or volunteer experience in public health, health education or related health area

9. Communication skills utilizing a second language encouraged

#### **Admission to Graduate Standing: Conditionally Classified**

It may also be possible for applicants who have minimal deficiencies in prerequisite requirements, as detailed above, but are otherwise highly qualified, to be admitted in conditionally classified graduate standing; with provisions made for removal of deficiencies prior to the granting of classified standing. For further information, consult with the MPH Program Coordinator.

### **GRADUATE STUDY PLAN**

The Master of Public Health requires 42 units of approved graduate work. Twenty-seven units are core competency classes (which includes a six-unit internship) and an additional 15 units are electives, 75 percent of which must be 500-level courses. Students work with a faculty adviser to select these electives to support career areas in health promotion, environmental and occupational health, gerontological health, nursing leadership, or in a special studies track such as health anthropology or health counseling or other special academic/career needs.

#### **Core Course Requirements (27 units)**

Health Sci 500 Issues in Public Health (3)

Health Sci 501 Advanced Methods in Epidemiology (3)

Health Sci 508 Statistical Methods in Health Science (3)

Health Sci 515 Advanced Environmental Health (3)

Health Sci 524 Public Health Administration (3)

Health Sci 540 Advanced Study in Health Promotion and  
Disease Prevention (3)

Health Sci 550 Graduate Internship (6)

Health Sci 597/598 Project/Thesis (3) or Comprehensive Examination\*

\*Students who select the Comprehensive Examination shall be required to complete an additional adviser-approved 500-level course (3 units).

#### **Electives (15 units)**

Electives must be approved by an adviser. Three units must be an approved research methods course. HESC 510 is recommended.

### **HEALTH SCIENCE COURSES**

Courses are designated as HESC in the class schedule.

#### **101 Personal Health (3)**

Basic concepts relating to health and well-being from a holistic perspective. Mental, emotional, physical and socio-environmental dimensions of health, sexuality and relationships; nutrition and physical fitness; use and abuse of drugs; health care services and current health problems.

**102 Prevention and First Aid (2)**

The hazards in environment. Care and prevention of accidents. Standard first aid certification by the American Red Cross granted upon successful completion of requirements.

**203 CPR, Automated External Defibrillator and Standard First Aid (1)**

Provides knowledge and skills necessary to respond to injuries and sudden illnesses in the community. Successful completion provides American Red Cross certifications in infant, child and adult Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED) and Standard First Aid. Credit/no credit only.

**220 Concepts in Health Science (3)**

Prerequisite: one course from General Education (G. E.) Category III.A.2. or 3. Corequisite: Health Sci 494 (1 unit). Theoretical and practical issues of Health Science as a profession. Topics include history, status, resources, roles in various settings, legal and ethical issues in health education.

**301 Promotion of Optimal Health (3)**

(Same as Nursing 301)

**303 Professional Rescuer CPR, Automated External Defibrillator and First Aid (3)**

Prerequisites: Kinesiology 210 and upper-division standing. Designed for students considering working in medical and health-related fields who must obtain Professional Rescuer (CPR), Automated External Defibrillator (AED) and First Aid certifications. Back injury prevention, stress management and cardiovascular function.

**321 Drugs and Society (3)**

Prerequisites: completion of lower-division general education science requirement and junior or senior status. Habit-forming substances such as alcohol, tobacco, narcotics, hallucinogens, and related drugs, stimulants and depressants. Social, historical and legal aspects of the drug problem are considered.

**325 Consumer Health (3)**

Prerequisites: Health Sci 101 and junior or senior standing. Analysis and evaluation of health information, products and services; medical quackery, fraudulent health practices and laws and agencies protecting the consumer will be explored. One or more sections offered online.

**342 Stress Management (3)**

Prerequisites: one course from G. E. Category IV.B; at least sophomore standing. Nature of stress and physiological and psychological effects of prolonged stress responses. Short- and long-term somatic and behavioral techniques (exercise, relaxation, meditation, nutrition, time management and goal setting) for management of stress. Health Science majors may not count this course for General Education. Kinesiology majors may count this course either for the major or for General Education. (Same as Kinesiology 342)

**349 Measurement and Statistics in Health Science (3)**

Prerequisites: completion of G. E. Categories III.A.1 and III.C.1. Measurement theory and statistics used in the evaluation of health and human performance, with a special focus on the analysis and interpretation of data in different environments. Lecture, discussion, cooperative learning and field observation. All of these strategies are intended to provide active participation and experiential learning.

**350 Nutrition (3)**

Prerequisites: Chemistry 100 or equivalent course and junior or senior standing. Concepts of nutrition as they relate to nutritional needs, practices and problems throughout the life cycle. Nutritional counseling and education of individuals/groups toward health promotion and disease prevention. Open to non-nursing majors. One or more sections offered online. (Same as Kinesiology/Nursing 350)

**353 Physical Activity and Lifelong Well-Being (3)**

(Same as Kinesiology 353)

**358 Contemporary Issues in Children's Health (3)**

Prerequisite: junior or senior standing. Overview of common causes of interrelationships between and prevention of morbidity and mortality among children and youth; Preventive and promotive health concepts and practices; connections between health and learning.

**400 Program Design in Kinesiology and Health Promotion (3)**

Prerequisite: Kinesiology 202 or Health Sci 220. Provides skills necessary for developing, implementing and evaluating human movement and/or health promotion programs for specific target populations.

**401 Epidemiology (3)**

Prerequisites: Health Science 220 and Health Sci 349. Application of epidemiologic procedures to the understanding of the occurrence and control of infectious and chronic diseases, mental illness, environmental health hazards, accidents and geriatric problems. One or more sections offered online.

**405 Worksite Injury Prevention and Rehabilitation (3)**

Prerequisite: Kinesiology 210 or Health Sci 220. How work style, equipment and environment contribute to worksite musculoskeletal injuries. Strategies that can minimize human error, injuries, discomfort and dissatisfaction through injury prevention and rehabilitation of the worker. (Same as Kinesiology 405).

**410 Community Health Education (3)**

Prerequisites: Health Sci 220 and junior or senior standing. Multiple settings for community health education practice and professional roles and skills that are required for health educators. Identification of community health education concepts with application to various segments of the nation's health. One or more sections offered online.

**411 Promoting Health in Multicultural Populations (3)**

Prerequisite: Health Sci 220. Impact of cultural variables on health/illness. Current and potential strategies to improve health care delivery to ethnic groups. Identification of cultural competence skills that are essential for health educators.

**415 Environmental Health (3)**

Prerequisite: Health Sci 220. Overview of environmental concerns as they relate to human health. How environmental factors are involved in the transmission and prevention of diseases and health hazards resulting from exposures.

**420 Chronic Disease Epidemiology (3)**

Prerequisite: Health Sci 220. Discussion of areas in chronic disease epidemiology, the leading causes of death and disability and the risk factors related to causes and the prevention of disease. May be repeated once for credit.

**421 Infectious Disease Epidemiology (3)**

Prerequisite: Health Sci 401. Applies epidemiological concepts to the study and control of infectious disease in human populations. Epidemiologic profile, including agents, modes of transmission, occurrence, clinical characteristics and prevention methods of specific infectious disease.

**430 Health Psychophysiology I (3)**

Prerequisites: Biology/Kinesiology 210, Psychology 101 and two 300-level psychology courses. History, theory, research, physiology and applications of biofeedback and other self-regulatory techniques. By completing Health Sci 430 and 431, the student will meet the requirements to sit for the Biofeedback Certification Institute of America exam.

**431 Health Psychophysiology II (3)**

Prerequisites: Health Sci 430 and junior standing. Didactic training and lab experience in the treatment of psycho physiological disorders incorporating biofeedback therapy. Work completed will meet the practical and mentoring (supervision) requirements for Biofeedback Certification Institute of America certification in general biofeedback.

**440 Determinants of Health Behavior (3)**

Prerequisite: Health Sci 220 or Kinesiology 202. Contemporary research on the health effect of human behavior. Introduction to theoretical foundations and practical applications of behavior in the context of health: physical, psychological, cultural and social health. Current issues and theories of health behavior.

**450 Applied Health Promotion in Aging Populations (3)**

Prerequisite: Health Sci 220 or graduate standing. Promotion/risk reduction program content, development, implementation and evaluation. Topics include weight control, stress management, substance abuse, physical fitness and accident prevention. One or more sections offered online.

**455 Designing Health Education Curricula (3)**

Prerequisite: Health Sci 220 or graduate standing. Theory and skills necessary to develop curriculum based on analysis of individual, community and societal needs and interests. One or more sections offered online.

**460 Worksite Health Promotion (3)**

Prerequisite: Health Sci 220 or Kinesiology 202. Philosophy, rationale and guidelines for developing health promotion programs in the corporate setting. Unique considerations in assessing needs, planning and implementing programs, evaluating effectiveness and coordinating activities in the workplace are discussed. (Same as Kinesiology 460)

**461 Occupational Health and Safety (3)**

Prerequisite: Health Sci 220 or Kinesiology 202. Occupational health principles, including anticipation, recognition, evaluation and control of occupational hazards are presented to heighten awareness of workplace hazards on human health. Occupational health laws, regulations and methods of compliance.

**475 Health Science Planning, Research and Evaluation (3)**

Prerequisites: Health Sci 220, 349, 401. Identification and application of concepts related to Health Science planning, research and evaluation. Analysis of planning and research designs applicable to health professionals, as well as tools for measurement of health status at individual, community, national levels.

**494 Health Science Practicum (1)**

Corequisite: Health Sci 220. A requirement for Health Science majors offering an opportunity to plan, implement and evaluate special community-based projects under faculty supervision. May be repeated for six units maximum. Credit/no credit only.

**495 Internship in Health Science (3)**

Prerequisites: Health Sci 220, all Health Sci 400-level classes except 475, senior standing. Supervised observation and field experience in community health settings as conducted by government, voluntary, professional or industrial/corporate organizations. (May be repeated one time.)

**499 Independent Study (1-3)**

Prerequisites: minimum of 15 upper-division Health Sci courses completed and junior or senior standing. Topics based on a study plan prepared in cooperation with a faculty supervisor. Culminates in a paper, project, comprehensive examination or performance. Application forms must be completed and approved prior to enrollment. Maximum of three units in any one semester; may be repeated once.

**500 Issues in Public Health (3)**

Prerequisite: admission to MPH program. Historical perspectives, definitions and discussion of current public health issues. Prepares public health professionals to draw on knowledge and skills from a variety of disciplines to define, critically assess, evaluate and resolve public health problems.

**501 Advanced Methods in Epidemiology (3)**

Prerequisite: admission to MPH program. Advanced application of epidemiologic procedures to the understanding of the occurrence and control of diseases and other health problems. Emphasizes study design, data quality, statistical analysis and causal inference.

**508 Statistical Methods in Health Science (3)**

Prerequisite: graduate status. Statistical theory, data collection procedures, techniques for analysis and interpretation of data.

**510 Research Methods in Health Science (3)**

Prerequisites: graduate status, Health Sci 508. Fundamental tools of research. Types of research, process of scientific inquiry and critical analysis of research. Topic selection and development of a research.

**515 Advanced Environmental Health (3)**

Prerequisite: admission to MPH program. Ecological impacts of human activities and the need to control factors that are harmful to human health. A framework is provided for investigation/management of health hazards. Principles of environmental health emphasizes the relationships between population, natural resources, disease, toxicology and pollution.

**520 Advanced Topics in Community Health (3)**

Prerequisite: admission to the MPH program. Theories, principles, planning and intervention strategies and evaluation approaches relevant to current community health promotion programs in the United States.

**524 Public Health Administration (3)**

Prerequisite: admission to MPH program. Principles, practices and skills essential to successful public health administration. U.S. health care system and factors that shape it. Public health services and administration, patterns of diseases, managed care, ethics and quality of care.

**525 Alternative and Complementary Medicine (3)**

Prerequisite: graduate standing. Role of alternative medicine in health behavior, disease, treatment, coping and healing. Its history, philosophy, concepts, development and how each of its disciplines fits in the larger scheme of Western medicine.

**535 Program Planning and Evaluation (3)**

Prerequisite: graduate standing. Provides comprehensive theories and methods for planning and evaluating health promotion programs. Techniques for collecting and analyzing quantitative and qualitative data. Skills for measuring effectiveness of health promotion programs.

**540 Advanced Study in Health Promotion and Disease Prevention (3)**

Prerequisite: Health Sci 440 or equivalent. Psychological, social, ecological, economic and political theories relevant to the mission and process of health promotion. Application of behavioral change techniques and health education methodology to health promotion targeting individuals and whole communities.

**545 Instructional Methodologies for Health Education (3)**

Prerequisite: admission to MPH program. Develops ability to select and implement learner-centered instructional strategies designed to facilitate health behavior change for individuals in group settings. Instructional strategies appropriate for sensitive health-related content, the relationship of instructional strategies to behavioral outcomes and adult learning theories.

**550 Graduate Internship (3-6)**

Prerequisites: graduate status, consent of faculty sponsor, field supervisor, field coordinator and chair. On-the-job training experiences supervised by a fully trained practitioner. Minimum of 120 hours per semester plus conferences with faculty sponsor. Application forms must be completed and approved prior to enrollment. Upon completion of the internship, a written evaluation must be submitted. Not open to students on, or subject to, academic probation.

**558 Advanced Study of School Health Education (3)**

Prerequisite: enrollment in fifth-year program. Advanced course designed to facilitate delivery of comprehensive school health education. Strategies for personal, classroom and school safety. Application of state/federal laws pertaining to health and safety will be evaluated. One or more sections offered online.

**597 Project (3)**

Prerequisites: graduate classified status, successful completion of an oral presentation of the project and signature of all committee members on or before the census date of the semester in which the student elects to enroll. Directed independent inquiry. Not open to students on, or subject to, academic probation.

**598 Thesis (3)**

Prerequisites: graduate classified status, successful completion of an oral presentation of the thesis and signatures of all committee members on or before the census date of the semester in which the student elects to enroll. Student will select and have approved a research proposal, conduct the research and prepare a formal analysis and report. May be repeated. Not open to students on, or subject to, academic probation.

**599 Graduate Independent Research (1-3)**

Prerequisites: graduate status and consent of the faculty adviser and chair. Student research in a specific area of public health. Application forms must be completed and approved prior to enrollment. Upon completion of the research, a written report must be submitted. Not open to students on, or subject to, academic probation. Maximum of three units in any one semester; may be repeated once.



# History

College of Humanities and Social Sciences

## INTRODUCTION

Historians engage in systematic study of the human past in order to discover meaning for people in the present. The student of history may draw upon the subject matter and methods of many academic disciplines. Thus, social history employs the methods of the social sciences, including quantitative analysis, in examining social movements and issues in the past; psycho-history utilizes the approaches of psychology in the study of the behavior of historically significant individuals and groups; and the development of the various areas of human intellectual and cultural activity, for instance, the arts and sciences, are studied to inform us of how and why people have thought as they did.

Lower-division survey courses are designed to convey the broad sweep of past human events and introduce the student to the study of causation and historical source materials. Aspects of the philosophy and methodology of history and the mechanics of writing historical essays are addressed in History 300A and 300B. The study, in greater depth, of specialized historical topics comprises the bulk of the upper-division offerings of the department. History majors are required to take History 490T, a senior seminar on a special topic in which they are expected to write an original historical essay based chiefly upon the analysis of historical materials that date from the time of the events studied.

The history major is useful for students who: (1) seek a broad liberal arts education with the option to choose more specialized study by geographical region, epoch and focus of inquiry (cultural, social, etc.); (2) plan a career in government service, including positions in United States Government agencies and international organizations overseas; (3) in business where writing, research and people skills are important; (4) pursue a career in private, nonprofit organizations that may involve research and service organizations, i.e., archives, museums and libraries; (5) desire to study law; (6) intend to prepare for primary or secondary school teaching; or (7) intend to work for advanced degrees in history in preparation for college teaching. The department is committed to the university's missions and goals where learning is preeminent.

## Credential Information

The bachelor's degree in history may be effectively combined with subject matter studies necessary for either the multiple subject teaching credential (K-8) or single subject credential (7-12) in history. Teaching credentials require specific study plans and students are urged to seek advice from an adviser early in their course of study. Majors planning to teach at the secondary level should have a study plan approved by the Undergraduate Coordinator or designee by the first semester of their junior year in residence. Undergraduates are also encouraged to contact the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) to obtain information on attending an overview presentation.

## DEPARTMENT CHAIR

William W. Haddad

## DEPARTMENT OFFICE

Humanities 815F

## DEPARTMENT WEBSITE

<http://hss.fullerton.edu/history>

## PROGRAMS OFFERED

Bachelor of Arts in History

Minor in History

Master of Arts in History

## FACULTY

Gordon Bakken, Gayle Brunelle,  
Jochen Burgtorf, Benjamin Cawthra,  
Kristine Dennehy, Jack Elenbaas, Nancy  
Fitch, Natalie Fousekis, Cora Granata,  
William W. Haddad, Volker Janssen,  
Steven Jobbitt, Jonathan Markley,  
Robert McLain, Maged S.A. Mikhail,  
Megan Kate Nelson, Mougo Nyaggah,  
Raymond Rast, Jasamin Rostam-Kolayi,  
Lynn Sargeant, Jessica R. Stern, Laichen  
Sun, Lisa Tran, Allison Varzally,  
Philippe Zacair

## ADVISERS

General Advisement:

Check with departmental office.

Undergraduate Coordinators:

Maged S.A. Mikhail

Jasamin Rostam-Kolayi

Graduate Advisers:

Volker Janssen

Allison Varzally

Credential Adviser:

Kristine Dennehy

## Center for Oral and Public History

The Center for Oral and Public History, under the sponsorship of the Department of History, is one of the most comprehensive university-based oral history programs in the nation. In addition to offering coursework in interviewing techniques, technical processing methodology and community fieldwork, the program administers an assortment of ethnic, political and other regional projects.

## Pre-Professional Information

Students intending careers in government service or business should seek counsel from an adviser. Those planning to pursue graduate study in history should consult a faculty member of their choice. Those who expect to attend law school should plan their course of study with Professor Bakken.

## Prizes and Scholarships

Students should inquire at the department office for information regarding departmental prizes and scholarships.

## BACHELOR OF ARTS IN HISTORY

The B.A. in History requires a minimum of 120 units that includes courses for the major, General Education, all University requirements and free electives. A grade of "C" (2.0) or better is required in all history courses applied towards the B.A. in History.

The major requires a total of 45 units distributed as follows:

### Introductory Survey Courses (12 units)

*World Civilization (6 units)*

1. History 110A World Civilizations to the 16th Century (3)  
AND History 110B World Civilizations Since the 16th Century (3)

*U.S. History (6 units)*

2. History 170A United States to 1877 (3) AND History 170B United States Since 1877 (3)  
OR History 180 Survey of American History (3) AND 170A or 170B  
OR History 190 Survey of American History with Emphasis on Ethnic Minorities AND 170A or 170B

### Intermediate Requirements (24 units)

History 300A Historical Thinking (3)

History 300B Historical Writing (3)

*At least 6 units in three of the following four fields:*

1. World/Comparative History
2. United States History
3. European History
4. Non-Western History

### Advanced Requirements (9 units)

Two upper-division history electives (6)

History 490T Senior Research Seminar (3)

## MINOR IN HISTORY

The minor in history, undertaken in consultation with a history adviser, should include a concentration in a general field.

1. Lower-division coursework - six or nine units (including general education)
2. Upper-division coursework - 15 or 18 units (including History 300A)

A total of 24 units are required for the minor in history.

To complete 24 units, the student has the option of taking the last three units either in the introductory requirements or the upper-division coursework.

## MASTER OF ARTS IN HISTORY

The Master of Arts degree in history is designed to provide a course of study for those whose interests are in teaching, business, government service and the professions, as well as for personal enrichment. It offers all the basic requirements for those who intend to pursue a doctoral degree upon the completion of their study at California State University, Fullerton.

### Application Deadlines

The deadlines for completing online applications are March 1 for the fall semester and October 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be post-marked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

### Prerequisites

Applicants to the master's program must first fulfill all requirements for admission to graduate standing in the University. A student must have a baccalaureate degree from an accredited institution with a grade-point average of at least 3.0 in the last 60 semester units and a 3.0 grade-point average in upper-division history courses. All graduate program applicants must submit scores from the GRE General Exam. Only those who have at least a 3.5 GPA in upper-division history courses may request an exemption. After fulfilling the university requirements, the applicant's records are sent to the History Department's graduate coordinator for additional evaluation. Students with deficiencies will be considered for admission only after they have completed courses approved by the coordinator.

## STUDY PLAN

Each student drafts his or her study plan with the graduate coordinator and an adviser in the area of specialization during the first semester of study. A study plan must be filed after nine units of coursework are completed. Three plans are offered for completion of the master's program. Each requires 30 units of coursework.

### Plan I

Student develops one specific field of interest and writes a thesis or project (with an oral examination taken before the final draft).

*Required History Courses (9 units)*

History 501 Theory and History (3)

History 521T Directed Readings Seminar in Fields of European History (3)

OR History 551T Directed Readings Seminar – World and Comparative History (3)

OR History 571T Directed Readings Seminar in Fields of American History (3)

History 522 Seminar in European History (3)

OR History 552T Seminar in World and Comparative History (3)

OR History 572 Seminar in American History (3)

*Electives (15 units)*

May be taken in 400-level or graduate courses related to the study plan, at least one of which must be taken in history and one of which must be a 500-level course.

*Culminating Experience (6 units)*

History 598 Thesis (6)

OR History 597 History Project (6)

**Plan II**

Student develops specializations and takes comprehensive examinations in two of the following fields: 1) American; 2) European; 3) Latin American; Asian, African, Middle Eastern; or 4) World History.

*Required History Courses (9 units)*

History 501 Theory and History (3)

History 521T Directed Readings Seminar in Fields of European History (3)

OR History 551T Directed Readings Seminar – World and Comparative History (3)

OR History 571T Directed Readings Seminar in Fields of American History (3)

History 522 Seminar in European History (3)

OR History 552T Seminar in World and Comparative History (3)

OR History 572 Seminar in American History (3)

*Electives (21 units)*

Nine additional units of 500-level coursework must be taken. The remaining 12 units may be taken in 400-level or graduate courses related to the study plan, at least one of which must be taken in history.

*Culminating Experience*

Required and elective courses should prepare students for comprehensive exams in two fields.

**Plan III**

Student develops an emphasis in public history and writes a thesis or project (with an oral examination taken before the final draft).

*Required History Courses (9 units)*

History 501 Theory and History (3)

History 506 Seminar in Public History (3)

History 521T Directed Readings Seminar in Fields of European History (3)

OR History 551T Directed Readings Seminar – World and Comparative History (3)

OR History 571T Directed Readings Seminar in Fields of American History (3)

*Electives (15 units)*

Electives must include nine units in adviser-approved content courses, three of which must be in history, and six units from the following applied courses:

History 456 Introduction to Public History (3)

History 492 Community History (3)

History 493 Oral History (3)

History 494 History and Editing (3)

*Culminating Experience (6 units)*

History 596 Graduate Internship in History (3) and History 597

History Project (3)

OR History 597 History Project (6)

OR History 598 Thesis (6)

In addition to the 30 units of coursework required of all students, before advancing to candidacy a cultural skills requirement must be met. In consultation with the student's graduate adviser, this may be fulfilled in a variety of ways: 1) an examination on reading ability in a foreign language or a minimum of two courses of appropriate foreign language coursework over and above the required 30 units; 2) completion of six units of comparative studies in other departments appropriate to the student's program over and above the required 30 units; 3) an examination of courses taken in statistics; or 4) students in Plan I and Plan II may also fulfill the cultural skills requirement by taking six units of specialized coursework in public history (HIST 492, 493, 494) over and above the required 30 units.

For further information call the Department of History.

**HISTORY COURSES**

Courses are designated as HIST in the class schedule.

**110A World Civilizations to the 16th Century (3)**

Development of Western and non-Western civilizations from their origins to the 16th century.

**110B World Civilizations Since the 16th Century (3)**

Development of Western and non-Western civilizations from the 16th century to the present.

**170A United States to 1877 (3)**

Political, social, economic and cultural development of the United States to 1877. Old World background, rise of the new nation, sectional problems, the Civil War and Reconstruction.

**170B United States Since 1877 (3)**

U.S. history from the late 19th century to the present. Economic transformation, political reform movements, social, cultural and intellectual changes and the role of the United States in world affairs.

**180 Survey of American History (3)**

American history from prehistoric times (before 1492) to the present according to chronological time periods. Basic themes that pervade the entire sweep of the nation's history. Satisfies state requirement in U.S. History. Not available for credit to students who have completed History 190.

**190 Survey of American History with Emphasis on Ethnic Minorities (3)**

A survey of American history from prehistoric times (before 1492) to the present with special emphasis on the role of race and ethnicity. (Same as Afro-Ethnic Studies/Asian American Studies/Chicana/o Studies 190). Credit will not be given for both History 180 and 190.

**201 The History of Asian Pacific Americans (3)**

Prerequisite: completion of General Education (G. E.) Category III. C.1. Origins and evolution of Asian American communities and cultures, with an emphasis upon the southern California region, through selected books, oral histories, films, outside speakers and excursions. (Same as Asian American Studies 201)

**230 The Ascent of Man (3)**

Science and technology in the development of human culture, especially the development of science in western culture since the 17th century. Scientific concepts, their emergence and the social impact of science.

**300A Historical Thinking (3)**

Nature of history, history of historical thought, and history's relationship to the humanities and social sciences. Seminar required of all history majors. History majors must earn at least a "C" (2.0) in this course.

**300B Historical Writing (3)**

Research, writing and library usage (including computer-assisted bibliographic searches) as related to history. Meets the classroom portion of the upper-division writing requirement for history majors. Seminar required of all history majors. History majors must earn at least a "C" (2.0) in this course.

**302A Historical Dimension of Liberal Studies (3)**

Prerequisites: prior or concurrent completion of Liberal Studies 300 and completion of G. E. Category I. Origins and development of modes of thought and forms of expression in the three core areas of liberal studies, i.e., the natural sciences, social sciences, and arts and humanities. (Same as Liberal Studies 302A)

**302B Historical Dimension of Liberal Studies (3)**

Prerequisite: completion of History 302A with a grade of "C" (2.0) or better. Origins and development of modes of thought and forms of expression in the three core areas of liberal studies, i.e., the natural sciences, social sciences, and arts and humanities. (Same as Liberal Studies 302B)

**310 The California Experience (3)**

(Same as Liberal Studies 310)

**311 World War II (3)**

History of World War II: Films, documentaries, lectures and discussion.

**320 Modern European History 1789 - Present (3)**

Prerequisite: History 110B or completion of G. E. Category III.C.1. Major political, social, economic and cultural developments in Modern Europe. Topics include the French Revolution, industrial revolution, liberalism, socialism, nationalism, imperialism, urbanization, modernity, the World Wars, Russian Revolution, inter-war period and post-1945 period.

**331 History of Science: Copernicus to the Present (3)**

Prerequisite: completion of G. E. Category III.A.2. Science from the 16th century to the present especially the scientific revolutions of the 17th and 20th centuries and the interaction between science, technology and culture.

**332 Concepts and Approaches in Women's History (3)**

Prerequisites: History 110B and either History 170B or 180. Overview of problems, concepts, methodologies and debates that have characterized women's history in recent decades. (Same as Women's Studies 332)

**350 History of Latin American Civilization (3)**

Prerequisites: completion of G. E. Category II.A and III.C.1. Social, economic, political and cultural evolution of Latin America from the European conquest to the present.

**355 History of African Civilization (3)**

Social, political, economic and cultural evolution of African civilizations from early times to the present. Credit will not be given for both History 355 and Afro-Ethnic Studies 346.

**360 Modern Asia: Nationalism and Revolutionary Change (3)**

Prerequisites: History 110B and completion of G. E. Category III.C.1. Modular analysis of nationalism, revolution and modernization as drawn from the experiences of the countries of China, Japan, India and Southeast Asia.

**377 Women's Image in American Film (3)**

Prerequisite: completion of the G. E. Category II.B.1. Images, symbols, visual metaphors and myths as they relate to the image of women. Change in film images will be contrasted with the changing status of women in America. Not available for graduate degree credit.

**382 World War II Japanese American Evacuation (3)**

Prerequisites: completion of G. E. Category III.C.1 and History 170B, 180, or 190. World War II eviction and detention of people of Japanese ancestry in the United States, pivoting on the significance of this experience in the areas of civil and human rights, cross-cultural relations and international affairs. Not available for graduate degree credit. (Same as Asian Amer 382)

**386A American Social History 1750-1860 (3)**

Prerequisite: completion of G. E. Category II.B. Social history of the United States to the Civil War; reform movements, temperance, moral purity, women's rights, anti-slavery, spiritualism and their importance to the formation of a modern society.

**386B American Social History 1865-1930 (3)**

Prerequisite: completion of G. E. requirement II.B. Social history of the United States from the Civil War; reform, social organization and values. Women's movement, censorship, divorce, the child and the limits of reform movements in an organizational society.

**394 The American Civil War (3)**

Prerequisite: History 170A or 180. History of the American Civil War. Both contemporary and current analyses of the war will be amplified by the use of films and slides.

**395 A History of the First World War (3)**

Prerequisite: History 110B. History of the Great War stressing the military, social, economic and political aspects of the war. Films, documentaries and special lectures.

**400A Concepts in World History, Ancient to Early Modern (3)**

Prerequisite: History 110A. Designed primarily for students intending to teach world history. Ways in which world history can be conceptualized. Explores such themes as nomadism, syncretism, cross-cultural trade and European diffusionism.

**402 Ancient and Medieval Britain (3)**

Prerequisite: History 110A. Britain from 5 B.C. to 1485. Constitutional, institutional and cultural aspects of Roman, Celtic, Anglo-Saxon, Norman and Plantagenet Britain.

**403 Tudor-Stuart England (3)**

Prerequisite: History 110A or 110B. England from the accession of Henry VII to the Glorious Revolution. Political, institutional, ecclesiastical and cultural aspects of the period of the Tudors and Stuarts.

**404 History of Modern England and Great Britain (3)**

Prerequisite: History 110B. Modern British history (Glorious Revolution to present). Achievement of constitutional monarchy, transition from agrarian to industrial society, establishment of political democracy and the rise and fall of socialism.

**405 History of the Jews (3)**

Prerequisite: completion of G. E. Category II.A. Jewish people from the biblical period to the present. Literature of each period, as well as the relationships that exist between the Jewish communities and the societies in which they exist. (Same as Comparative Religion 405)

**406 The Holocaust (3)**

Prerequisite: History 110B or any modern European upper-division course. Traces the history and examines the origins, implementation and results of the European-wide programs of persecution and genocide carried out by Nazi Germany and their collaborators against the Jews during the period 1933-1945. (Same as Comparative Religion 406)

**408 History of California (3)**

Prerequisite: completion of G. E. requirement II.B. Political, economic and social history of California from the aboriginal inhabitants to the present; the development of contemporary institutions and the historical background of current issues.

**409 Cities in European Civilization, 1000-1915 (3)**

Prerequisite: History 110A or 110B. Urban history of Western Europe from the revival of urban life in the High Middle Ages through WWI, with a focus on urban social and cultural evolution.

**410 The Rise of the Atlantic World (3)**

Prerequisite: History 110A. Main themes of the history of the Atlantic Basin, 1450-1700, including the discovery and conquest of the New World, Africans' contributions to the creation of the Atlantic world and the origins of the "plantation complex."

**413 Oral History/Guided Autobiography (3)**

Prerequisite: completion of G. E. Category I, core competencies or equivalents. Theories and methods of oral history and guided autobiography, and training to become professional practitioners at community and senior centers, educational institutions, historical agencies and other settings. (Same as Gerontology 413.)

**415A Classical Greece (3)**

Prerequisite: History 110A or equivalent. Civilization of ancient Greece. Rise and flourishing of the classical city-states; literary and philosophic contributions to modern civilization.

**417A Roman Republic (3)**

Prerequisite: History 110A or equivalent. Roman social and political institutions under the republic.

**417B Roman Empire (3)**

Prerequisite: History 110A or equivalent. Roman imperial institutions and culture with attention to the rise of Christianity. (Same as Comparative Religion 417B)

**420 The Byzantine Empire (3)**

Prerequisite: History 110A or equivalent. East Roman Empire from Constantine to the Ottoman conquest of 1453. Institutional aspects of Byzantine society: church, state, the economy, law and culture.

**421A History of the Christian Church to the Reformation (1517) (3)**

Prerequisite: History 110A or equivalent. Christian Church from its origins in the apostolic preaching through the late Middle Ages and the beginning (1517) of the Reformation in both the East and West. (Same as Comparative Religion 421A)

**421B History of the Christian Church from the Reformation to the Present (3)**

Prerequisite: History 110B or equivalent. Western church as an institution from the Reformation (1517) to the present. Orthodoxy, Catholicism and Protestantism in historical perspective. (Same as Comparative Religion 421B)

**423 Medieval History, 300-1350 (3)**

Prerequisite: History 110A or equivalent. Medieval civilizations – East European, West European and Islamic – from the decline of the Roman Empire to the beginning of the Hundred Year's War, with emphasis on cultural, intellectual and social history.

**424T Gender and Sexuality in History (3)**

Prerequisites: History 110A and 110B, 170A and 170B, or equivalents. Variable topics in gender and sexuality in history. Historical forces that shaped masculinity and/or femininity.

**425A The Renaissance (3)**

Prerequisite: completion of G. E. Category II.A. Europe in the 14th and 15th centuries: development of humanism and capitalism in Italy and their impact on European culture; rise of Renaissance monarchies; the Renaissance papacy; Christian humanism; and Renaissance science and mysticism.

**425B The Reformation (3)**

Prerequisite: completion of G. E. Category II.A. Europe in the 16th and 17th centuries: impact of the Protestant and Catholic Reformations on European culture; the religious wars; the price revolution and ; crises of the nobility; rise of absolutism; and the early modern family. (Same as Comparative Religion 425B)

**425C Society and Culture in Early Modern Europe (3)**

Prerequisites: History 110A,B. Main themes and problems of the social and cultural history of Europe from 1450 to 1700, such as social status and class, gender, ethnicity and violence.

**427 Enlightenment and Revolution (3)**

Prerequisites: History 110A,B. Impact of slavery in the French Caribbean, rise of nation states, emergence of Enlightenment thought, feminism and popular politics during the 18th century and French Revolution.

**428 The Rise and Decline of Liberal Europe in the 19th Century (3)**

Prerequisites: History 110A,B. Impact of industrialization, liberal political reform and new forms of consumption and production on the daily lives of men and women who lived in 19th-century Europe. Socialist, nationalist and feminist responses to social change.

**429A Europe 1890-1945 (3)**

Prerequisite: History 110B. Survey of the cultural, political and economic history of Europe, 1890-1945.

**429B Europe Since 1945 (3)**

Prerequisite: History 110B. Survey of the cultural, political and economic history of Europe since 1945.

**432 From Bismarck to Hitler: Modern Germany, 1870-1945 (3)**

Prerequisite: History 110B. Social and political history of Germany from 1871 through World War II, and current historiographical debates in modern German history.

**434A Russia to 1801 (3)**

Prerequisite: completion of G. E. Category II.A. Establishment of the Russian state at Kiev through the reign of Catherine the Great. Political, cultural and social history of medieval, early modern and imperial Russia.

**434B Modern Russia and the Soviet Regime (3)**

Prerequisite: completion of G. E. Category II.A. Political, cultural and social history of Late Imperial Russia and the Soviet Union. The 1905 and 1917 revolutions, their roots in 19th-century political and social changes, and the consolidation of power under the Bolshevik party. Continuity and change of Russian institutions and politics in Tsarist, Soviet and post-Soviet Russia.

**449 Race, Ethnicity and Gender in Latin America: A History (3)**

Prerequisite: History 110B. Issues of race, ethnicity and gender in Latin America from the 15th century to the present. Emphasizes Latin America's two largest countries: Brazil and Mexico.

**450 African History Since 1935 (3)**

Prerequisite: History 110B or equivalent. Issues of European imperialism, settler cultures, racism and African consciousness, ethnic conflict, gender, nationalist and guerrilla liberation movements, Pan-Africanism, international relations and society development policies in Africa since 1935. (Same as Afro 450)

**451 Colonial Period of Latin America (3)**

Prerequisite: History 110A or equivalent. Latin America from its pre-Columbian origins to the era of the Wars of Independence. Emphasizes ethnic, social and cultural factors that characterized the colonial period.

**452 20th-Century Brazil (3)**

Prerequisite: History 110B. Social, economic, cultural and political history of Brazil, with particular emphasis on the period since World War II.

**453A History of Mexico pre-Columbian (pre 1521) through 1821 (3)**

Prerequisite: History 110A or History 110B or equivalent. History of Mexico from prior to the Spanish conquest of 1521 through the wars for Independence ending in 1821.

**453B History of Mexico from Independence (1821) to Modern Day (3)**

Prerequisite: History 110A or History 110B or equivalent. Pivotal moments in modern Mexican history, including post-colonial nation building, Mexican-American War, Mexican Revolution of 1910, Chiapas Rebellion of the mid-1990s and 2000 elections.

**454 19th-Century Latin America: Era of Nation Building (3)**

Prerequisite: History 110B or equivalent. Latin America during the 19th century (1810-1910) with emphasis on cultural and socio-political factors that were important in the creation of Latin American nations. Special focus on development of the Rio de la Plata, the Andean nations and Mexico.

**455 Latin America Since 1945 (3)**

Prerequisites: completion of History 110A,B. Political, economic, cultural and social patterns in key Latin American nations from 1945 to the present.

#### **456 Introduction to Public History (3)**

Prerequisite: History 180 or its equivalent. Applications of history to activities outside of teaching and academic research. Archival work, historic preservation, exhibit interpretation and historical research and writing in business, government and individual consulting.

#### **457 West Africa and the African Diaspora (3)**

Prerequisite: History 110B or equivalent. West African relationships with the African diaspora in the Americas. Issues of the origins of political conflict, economic exploitation, racism, gender, revolts, emancipation, Pan-Africanism and rights of African descendants since the 15th century. (Same as Afro-Ethnic Studies 457)

#### **458 Southern Africa in the 20th Century (3)**

Prerequisite: History 110B or equivalent. Twentieth-century developments in the Union (Republic) of South Africa, Central Africa (the Rhodesias and Nyasaland) and the Portuguese colonies; the political, economic and social ramifications of race relations. (Same as Afro-Ethnic Studies 458)

#### **460 The Chinese Diaspora (3)**

Prerequisite: History 110B. History of Chinese migration from the 16th century to the present; focuses on the domestic and international situations that shaped the conditions for Chinese emigration in different parts of the world.

#### **461A Early Vietnam (3)**

Prerequisite: History 110A. History of Vietnam from the earliest times to c. 1850. Seeks to identify the main issues in Vietnam's early history and trace the origins of the Vietnamese civilization and its implications on the formation of Vietnamese national identity and nationalism.

#### **461B Modern Vietnam (3)**

Prerequisite: History 110B. History of Vietnam since 1802. Special emphasis placed on the French colonial experience, the Vietnamese struggle against the French from 1946 to 1954, and the American involvement in Vietnam.

#### **462A History of China (3)**

Prerequisite: History 110A or equivalent. Chinese history from ancient times to the middle of the 17th century; society, thought, economy and political institutions.

#### **462B History of China (3)**

Prerequisite: History 110B or equivalent. Chinese history from the middle of the 17th century to the 1950s. China's internal developments and foreign intrusion, the rise of modern Chinese nationalism and intellectual developments in the Republican period, and the attempts at modernization and the triumph of communism.

#### **462C China Since 1949 (3)**

Prerequisite: History 110B or equivalent. History of China from 1949 to the present. Communist Party, political institutions, ideology, economic modernization and foreign relations of China.

#### **463A History of Japan (3)**

Prerequisite: completion of the G. E. Category II.A. Social, political and economic history of Japan until 1868, stressing the Tokugawa era.

#### **463B History of Japan (3)**

Prerequisite: History 110B or equivalent. Rise of the modern Japanese state, Japanese imperialism and the postwar era.

#### **463C Themes in Korean History (3)**

Prerequisites: History 110A,B. Chronological overview of Korean history, with an emphasis on the modern period. Thematic approach covers topics such as a state building, Confucianism, nationalism, the colonial period, the Korean War and reunification of the peninsula.

#### **464A History of Southeast Asia to 1800 (3)**

Prerequisite: History 110B or equivalent. Development of Southeast Asian civilizations from the earliest times to 1800, including the classical and early modern era.

#### **464B History of Southeast Asia, 1800-present (3)**

Prerequisite: History 110B or equivalent. Development of Southeast Asian history from 1800 to the present, including the colonial, post-colonial and contemporary period.

#### **465A History of India (3)**

Prerequisite: completion of G. E. Category II.A. History of India from ancient times through the arrival of Islam, to the decline of the Mughul Empire in 18th century. Political developments, social and religious institutions: Hinduism, Buddhism, Jainism, class, caste, early impact of Europeans. Not available for graduate degree credit. (Same as Comparative Religion 465A)

#### **465B History of India (3)**

Prerequisite: History 110B or equivalent. India from early activities of British in 18th century through Indian Independence in 1948. Political, economic, religious developments: crystallization of British supremacy in South Asia through the Indian Mutiny of 1857; India's struggle for independence; emergence of Gandhi and Nehru. (Same as Comparative Religion 465B)

#### **466A Islamic Civilization: Arab Era (3)**

Prerequisite: History 110A or equivalent. Arab predominance in the Middle East from the rise of Islam to the Mongol invasions of the 13th century. (Same as Comparative Religion 466A).

#### **466B Islamic Civilization: Imperial Age (3)**

Prerequisite: completion of G. E. requirement II.A. Mongol invasions of the Middle East and their effects. Ottoman Turkish, Safavid Persian and Moghul Empires to 1800. (Same as Comparative Religion 466B).

#### **467 The Middle East in the 19th Century (3)**

Prerequisite: History 110B or equivalent. Western penetration of the Middle East and the reaction to it, modernization, the growth of nationalist movements and revolutionary disturbances ending with World War I.

**468 Middle East in the 20th Century (3)**

Prerequisite: History 110B or equivalent. Social, political and economic changes in the Middle East since World War I. The period after World War II and recent independence movements.

**469 American Military History (3)**

Prerequisite: History 180 or equivalent. America's military experience focusing upon the democratic, industrial, managerial, mechanical, scientific and social revolutions that have molded military institutions and national policies.

**470 American Colonial Civilization (3)**

Prerequisite: History 170A or 180. Creation and development of societies in English North America from 1492-1754; the emergence of economic, social and political patterns and structures in a maturing Anglo-American culture.

**471 The United States from Colony to Nation (3)**

Prerequisite: History 170A or 180. Social, economic, political and intellectual developments in late 18th-century America, the coming of the American Revolution, origins of American nationalism, social structure of the new nation and formation and ratification of the Constitution.

**472 Jeffersonian Themes in American Society, 1800-1861 (3)**

Prerequisite: completion of G. E. Category in American History, Institutions and Values. Jeffersonian values and their impact upon the social, political and cultural life of the nation.

**473 Democracy on Trial, 1845-1877 (3)**

Prerequisite: completion of G. E. Category in American History, Institutions and Values. America's "great national crisis" and the impact of slavery, civil war and national reconstruction upon the democratic process of the republic.

**474 United States, 1876-1920 (3)**

Prerequisites: History 170B or 180 or equivalent. Industrialization, urbanization and immigration. Reconstruction, the New South and the West. Populist and Progressive reform movements. World War I and the Red Scare.

**475 United States, 1920-1960 (3)**

Prerequisite: History 170B or 180, or equivalent. Major trends and conflicting values in domestic policies, national security policies, the economy, society and culture. Analyses of civil rights, civil liberties, parties and politics. Examination of key historiographic controversies.

**476 United States Since 1960 (3)**

Prerequisite: History 170B or 180, or equivalent. U.S. History from 1960 to present, interrelating foreign and domestic policy, economic, social and cultural trends, a study of U.S. history as it is being formed.

**478 The History of Orange County (3)**

Prerequisite: History 170B or 180, or equivalent. History of Orange County. Stresses the process of urbanization.

**479 The Urbanization of American Life (3)**

Prerequisite: completion of G. E. Category II.B. Urban life in America; the colonial town, the western town and the industrial city.

**480 Development of American Law (3)**

Prerequisite: History 170A or 170B. American law; contracts, property, commercial law, criminal law, corporations, torts, civil procedure and the legal profession.

**481A Westward Movement in the United States (3)**

Prerequisite: completion of G. E. Category II.B. Expansion of the United States population and sovereignty from the eastern seaboard to the Pacific, colonial times to 1900; regional development during the frontier period.

**482 Themes in American Thought (3)**

Prerequisite: History 170A-B, 180, or 190. Intellectual movements and ideas from the colonial period through the 20th century. Examples of topics are: Puritanism; the Enlightenment influence in America; utopian reform; Darwinism; and Freudian thought.

**483 American Religious History (3)**

Prerequisite: completion of G. E. Category II.B. American religious life and the proliferation of religious organizations as the result of transplanting the European religious heritage in a new environment. (Same as Comparative Religion 483)

**484 American Legal and Constitutional History (3)**

Prerequisite: completion of G. E. Category II.B. Legal and constitutional issues affecting the development of the U.S. Constitution, American law and government. Developments from English and colonial legal origins to constitutional problems of the post-World War II era.

**485 United States Foreign Relations (3)**

Prerequisite: History 170B or 180, or equivalent. Relations from 1900 to the present. United States as a world power in the 20th century; the search for world order and the diplomacy of the atomic age.

**486 United States Cultural History (3)**

Prerequisite: completion of G. E. Category II.B. Cultural values, ideas and beliefs of American communities as expressed through a variety of media, including historical, literary, visual, material and aural sources.

**487 History of American Parties and Politics (3)**

Prerequisite: completion of G. E. Category II.B. Development of American political parties and issues from 1787 to the present. Evolution and change in American political parties and the recent impact of mass media upon them.

**490T Senior Research Seminar (3)**

Prerequisites: History 300A and 300B. Directed research seminar with class discussions applied to specific topics and areas as schedule and staff allow. Original research and writing. Required of all history majors. History majors must earn at least a "C" (2.0) in this course. (Multiple enrollment permitted in different sections of the same course.)

**491T Proseminar in Special Topics in History (3)**

Prerequisites: History 110A and 110B for European and non-West courses; History 170A and 170B; or History 170A or 170B and 180; or History 170A or 170B and 190 for U.S. History. Intensive study of selected phases or periods of history.

**492 Community History (3)**

Prerequisite: completion of G. E. Category II.B. Historical development of communities in general, including the Orange County area. Techniques of gathering and processing local historical data, including oral interviews and other archival materials.

**493 Oral History (3)**

Prerequisite: completion of G. E. Category II.B. Utilization of tape recorded interviews to document significant events in 20th-century history. Training in interviewing techniques, specific background research and equipment use, after which students conduct a number of tape-recorded interviews.

**494 History and Editing (3)**

Prerequisite: History 300B. Techniques of editing, book and photo layout and indexing. Focuses on oral history documents, but includes other historical and technical editing.

**498 History Internship (3)**

The internship program offers work experience related to the history academic program or to areas of public and private employment where any liberal arts major is appropriate.

**499 Independent Study (1-3)**

Open to advanced students in history with consent of department chair. May be repeated for credit.

**501 Theory and History (3)**

Prerequisite: History 300A or equivalent. Seminar introducing philosophical issues in history as a humanistic social science, to epistemological considerations of the relationship of history to other disciplines and to new subdisciplines in history. Required for the M.A.

**506 Seminar in Public History (3)**

Prerequisite: consent of instructor. Seminar in sources, themes, writing and formats used by historians working outside the classroom. Content will vary with instructor and will emphasize application of historical methods to various sectors of community history. Alternative to History 572/522 requirement for M.A. Required for M.A. students pursuing the Public History Emphasis.

**521T Directed Readings Seminar in Fields of European History (3)**

Prerequisite: a 3-unit upper-division course in the sub-field of the offering or its equivalent. Critical examination of the literature that has been important in different fields of European history. May be repeated for credit when covering a different subfield.

**522 Seminar in European History (5)**

Prerequisite: History 501 or equivalent. Seminar in which students will utilize primary sources in writing research papers in European History. May be repeated once for credit when covering a different sub-field.

**551T Directed Readings Seminar in World and Comparative History (3)**

Prerequisite: a 3-unit upper-division course in world history. Variable topics reading seminar designed to offer a comprehensive background in the literature of world and comparative history. May be repeated for credit when covering a different subfield. Topics: "Cross-Cultural interaction in the Medieval World, (ca. 500-1500), "The Age of Discovery," "The Ancient World."

**552T Seminar in World and Comparative History (3)**

Variable topics research seminar designed to explore world and comparative history through a primary source based research paper. May be repeated for credit when covering a different subfield. Topics: "Cross-Cultural Interactions in the Medieval World, (ca. 500-1500)," "The Age of Discovery," "The Ancient World."

**571T Directed Readings Seminar in Fields of American History (3)**

Prerequisite: a 3-unit upper-division course in the sub-field of the offering. Critical examination of literature that has been important or influential in specific fields of American history. May be repeated for credit when covering a different sub-field.

**572 Seminar in American History (3)**

Prerequisite: History 501 or equivalent. Seminar in which students will utilize primary sources in writing research papers in American History. May be repeated once for credit when covering a different sub-field.

**596 Graduate Internship in History (3)**

Prerequisite: classified graduate status. Professional-level internship in historical work. Usually precedes History 597, Project and constitutes research phase of main graduate exercise, as well as preparation for post-graduate career. May be repeated for credit.

**597 History Project (3 or 6)**

Editing a significant body of primary source materials, including a critical and interpretive introduction, as well as appropriate reference and explanatory notes. Foreign sources will normally be translated into English.

**598 Thesis (3 or 6)**

Prerequisite: consent of instructor. May be repeated for credit.

**599 Independent Graduate Research (1-3)**

Open to graduate students in history with consent of department chair. May be repeated for credit.



# Human Communication Studies

College of Communications

## DEPARTMENT CHAIR

John Reinard

## DEPARTMENT OFFICE

College Park 420-1

## SPEECH AND HEARING CLINIC

College Park 150

## DEPARTMENT WEBSITE

<http://communications.fullerton.edu/humancomm>

## PROGRAMS OFFERED

Bachelor of Arts in Communicative Disorders

Master of Arts in Communicative Disorders

Credential in: Speech-Language Pathology Services  
Credential in Language, Speech and Hearing

Bachelor of Arts in Speech Communication

Emphases in:

Argumentation and Persuasion  
Intercultural Communication  
Interpersonal Communication  
Organizational Communication  
Communication Studies

Minor in Speech Communication

Master of Arts in Speech Communication

## FACULTY

Jon Bruschke, K. Jeanine Congalton, Michael Davis, Marcia Dankins, Tenzin Dorjee, Robert Gass, Nise Bloomfield Frye, Javette Hayes, Kurt Kitselman, Edith Li, Patty Malone, Irene Matz, Toni Nielson, John Reinard, Gary Ruud, Terry Saenz, Hye-Kyeong Seung, Jason Teven, Stella Ting-Toomey, Kenneth Tom, Ying-Chiao Tsao, Toya Wyatt.

## ADVISERS

Communicative Disorders:

Undergraduate: Toya Wyatt

Graduate: Kurt Kitselman

Speech Communication:

Graduate: Gary Ruud

## INTRODUCTION

The mission of the department is to provide students with an understanding of communication processes in a culturally diverse society. An in-depth understanding of communication processes brings a number of benefits, including the ability to analyze communication barriers and the competency to facilitate effective communication between individuals, within organizations, between organizations and their customers or constituencies, and across cultures. Our vision is to train good men and women speaking well to solve communication problems by studying the ways in which messages link participants during transactions. Understanding communication processes in depth can, with specialized education and training, also be used to diagnose and treat disorders of communication.

The department offers a Bachelor of Arts degree in Speech Communication with emphases in Argumentation and Persuasion, Intercultural Communication, Interpersonal Communication and Organizational Communication. It also offers a Master of Arts degree in Speech Communication. Students who complete the bachelor's or master's degrees are qualified to enter a variety of rewarding careers in education, training and development, sales, community relations, the ministry, law, business, nonprofit organizations and government; and are qualified to pursue advanced degrees in communication studies, as well as other academic and professional fields described under the sections on concentrations. The department offers a Minor in Speech Communication, which is structured to meet individual students' educational needs and career aspirations.

The department also offers a Bachelor of Arts and a Master of Arts degree in Communicative Disorders. These degrees lead to eligibility for a state license in speech-language pathology, national certification in speech-language pathology and a specialized credential for work within the public school system. The Communicative Disorders Program has been accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association for more than 30 years. The Communicative Disorders Program has a number of special features, including an emphasis on clinical services for persons from diverse cultural and linguistic backgrounds, alternative and augmentative forms of communication, and diagnosis and management of disorders of swallowing.

The department provides a strong foundation of theory in its degree programs, and each program gives students the experience they need in applying theory in a variety of contexts. Knowledge and skills are developed in the classroom through the use of case study methodology and other learning strategies, and through internship experiences that allow students to apply their knowledge and skills in their eventual work settings. Some students are encouraged to pursue careers in college and university teaching and research by continuing their education at the doctoral level in the field of communication studies or communicative disorders. Finally, the department provides guidance for students interested in pursuing graduate and professional studies in fields related to communication.

## **AWARDS IN THE DEPARTMENT OF SPEECH COMMUNICATION**

The following awards were established by family, friends and colleagues of the designees in memory of their commitment and contributions to students engaged in the study of human communication.

These awards provide recognition and/or financial assistance to outstanding students majoring in Speech Communication or Communicative Disorders.

The Seth A. Fessenden Award

The Herbert W. Booth Award

The Herbert W. Booth Outstanding Senior Award

The Philip J. Schreiner Award

The Lee E. Granell Award in Forensics

The Wayne Brockriede Award

The John Scott McKay Textbook Award

Ralph Beckett Memorial Award in Communicative Disorders

The Wayne Brockriede Award

The Richard Wiseman Award

The William Gudykunst Memorial Fund Graduate Student Award

Antonia Mari Paula Bapat-Zaat Graduate Award

Antonia Mari Paula Bapat-Zaat Undergraduate Award

The Peggy Hammer Award

## **GRADUATE ASSISTANTSHIPS AND FELLOWSHIPS**

The following appointments are awarded to outstanding graduate students in the form of competitively selected assistantships and lectureships:

Clinical Graduate Assistants

Graduate Assistants in Forensics

Graduate Assistants in Research

Teaching Associates in Human Communication Studies

## **BACHELOR OF ARTS IN COMMUNICATIVE DISORDERS**

The Bachelor of Arts in Communicative Disorders requires 42 units within the major; 39 of which are required and three are elective. All students also complete 51 units of general education, leaving 27 units of free electives to complete the university's requirements for the Bachelor of Arts degree. Most students who pursue the Bachelor of Arts in Communicative Disorders intend to complete a Master of Arts degree in Communicative Disorders, since this is the entrance-level degree for practice as a speech-language pathologist in both the public school and the health care systems. The Bachelor of Arts degree also provides excellent preparation for pursuit of teaching credentials, and students are encouraged to consider this degree to prepare for careers as teachers, especially if interested in early childhood or elementary education. Students can complete requirements for entrance into most teaching credential programs within the 120-unit minimum required for a Bachelor of Arts degree through careful planning.

## **Sophomore Level (6 units)**

Human Comm 241 Introduction to Phonetics (3)

Human Comm 242 Introduction to Communicative Disorders (3)

## **Junior Level (15 units)**

Human Comm 300 Introduction to Research in Speech Communication (3)

Human Comm 307 Speech and Language Development (3)

Human Comm 344 Anatomy and Physiology of Speech and Hearing (3)

Human Comm 350 Speech and Hearing Science (3)

Human Comm 352 Child Language and Phonological Disorders (3)

## **Senior Level (18 units)**

Human Comm 461 Audiology and Audiometry (3)

Human Comm 465 Aural Rehabilitation (3)

Human Comm 472 Voice and Craniofacial Disorders (3)

Human Comm 474 Neurology and Neurogenic Communicative Disorders (3)

Human Comm 475 Fluency Disorders (3)

Human Comm 476 Clinical Methods and Procedures (3)

## **Electives (3 units)**

Human Comm 302 Introduction to Sign Language (3)

Human Comm 308 Quantitative Research Methods (3)

Human Comm 312 Intermediate Sign Language (3)

Human Comm 345 Communication and Aging (3)

Human Comm 404 Communicative Disorders of the Bilingual/Multicultural Child (3)

## **BACHELOR OF ARTS IN SPEECH COMMUNICATION**

The Bachelor of Arts in Speech Communication is awarded with one of five emphases: Argumentation and Persuasion, Intercultural Communication, Interpersonal Communication, Organizational Communication or Communication Studies. The major requires 42 units consisting of: (1) 15 units of core requirements; (2) nine units of theoretical core; and (3) 12 units within the student's particular emphasis. In addition to 42 units within the major, students complete 51 units of general education, leaving 27 units of free electives to complete the university's requirements for the Bachelor of Arts Degree. Some students are encouraged to pursue specific minors, such as a Minor in Advertising, Business Administration, Computer Science, Journalism, Psychology or Public Administration, depending on their career or professional goals. Students can complete these minors as well as one of the department's majors within the 120-unit minimum required for a Bachelor of Arts degree.

## **Core Requirements (18 units)**

Human Comm 102 Public Speaking (3)

Human Comm 200 Human Communication (3)

- Human Comm 235 Essentials of Argumentation (3)
- OR Human Comm 236 Essentials of Debate (3)
- Human Comm 300 Introduction to Research (3)
- Human Comm 308 Quantitative Research Methods (3)
- Human Comm 420 Communication Theory (3)

**Breadth Experiences (12 units)**

- Human Comm 313 Interpersonal Communication Theory (3)
  - OR Human Comm 318 Family Communication (3)
  - OR Human Comm 413 Communication in Interpersonal Relationships (3)
  - OR Human Comm 437 Internship – Speech Communication (3)\*
- Human Comm 324 Communicating in Groups and Teams (3)
  - OR Human Comm 326 Organizational Communication Dynamics (3)
  - OR Human Comm 433 Training and Development (3)
  - OR Human Comm 437 Internship – Speech Communication (3)\*
- Human Comm 330 Rhetoric of Popular Culture (3)
  - OR Human Comm 332 Processes of Social Influence (3)
  - OR Human Comm 335 Advanced Argumentation (3)
  - OR Human Comm 437 Internship – Speech Communication (3)\*
- Human Comm 320 Intercultural Communication (3)
  - OR Human Comm 422 Applications of Intercultural Communication (3)
  - OR Human Comm 456 Intercultural Conflict: Theory and Practice (3)
  - OR Human Comm 437 Internship – Speech Communication (3)\*

---

\*HCOM 437 must be taken with permission of internship instructor and must be in the specific Breadth Experience category to which it is applied. May be taken only once for credit.

**Emphasis in Argumentation and Persuasion (12 units)**

An emphasis in Argumentation and Persuasion constitutes one of the strongest liberal arts educations available. Students learn how to think in a clear and logical manner, analyze information critically, formulate persuasive arguments and deliver those arguments effectively, in oral and in written forms. These skills are of great value in almost any career. Students who complete their degree with an emphasis in Argumentation and Persuasion are prepared for a variety of specific careers as well, including a career as a speech/debate coach. They are also prepared for careers in government and politics, such as that of a campaign aide or director, elected official, information officer, legislative assistant, legislative research specialist, lobbyist, negotiator, press secretary or speechwriter. Others have used the emphasis as preparation for a career in the ministry. The emphasis offers particularly strong preparation for law school.

- Human Comm 138/338 Intercollegiate Forensics (3)
- Human Comm 236 Essentials of Debate (3)
- Human Comm 330 Rhetoric of Popular Culture (3)

- Human Comm 332 Processes of Social Influence (3)
- Human Comm 334 Persuasive Speaking (3)
- Human Comm 335 Advanced Argumentation (3)
- Human Comm 337 Communication in the Legal Arena (3)
- Human Comm 342 America Speaks (3)
- Human Comm 426 Directing Forensics (3)
- Human Comm 432 Contemporary Rhetoric (3)

**Emphasis in Intercultural Communication (12 units)**

An emphasis in Intercultural Communication provides students with specialized knowledge and skills in identifying, analyzing and meeting the challenges of effective communication in a multicultural society, in the context of organizations and among individuals. These challenges are transformed into career opportunities for those who have mastered the knowledge and skills of effective intercultural communication and are able to translate their knowledge to diverse intercultural applications. Students who complete the Intercultural Communication emphasis successfully are prepared for careers such as that of customer service and sales representative, diplomat, foreign correspondent, foreign relations or foreign service officer, host for foreign dignitaries, intercultural and diversity trainer, international corporate representative, international and study-abroad student adviser, and travel industry representative. The emphasis also provides an excellent background for those interested in careers in primary and secondary education, a variety of human and social service careers, and other careers for which a liberal arts education is required.

- Human Comm 220 Interpersonal Conflict Management (3)
- Human Comm 320 Intercultural Communication (3)
- Human Comm 331 Sex and Gender in Human Communication (3)
- Human Comm 360 Nonverbal Communication (3)
- Human Comm 422 Applications of Intercultural Communication (3)
- Human Comm 435 Communication in Community Building and Civic Engagement (3)
- Human Comm 456 Intercultural Conflict: Theory and Practice (3)
- Human Comm 479 Mediation: Principles and Practice (3)

**Emphasis in Interpersonal Communication (12 units)**

An emphasis in Interpersonal Communication provides students with the education needed for entrance into a variety of careers in social and human services. Success in these fields requires competencies in identifying, analyzing and meeting the challenges of effective communication among individuals. Acquiring these competencies is the goal of the emphasis in Interpersonal Communication. The emphasis provides a basis for the pursuit of teaching credentials and provides an exceptional background to prepare for graduate studies in fields, such as social work, counseling and clinical psychology. An emphasis in Interpersonal Communication, combined with selected courses within the psychology minor, meets entrance requirements for most graduate programs in these fields. The selection of an emphasis in Interpersonal Communication

suggests a special aptitude for and interest in human service careers, and the emphasis provides students with a unique and exceptionally strong background of theoretical as well as applied studies for graduate studies in the mental health professions.

Human Comm 220 Interpersonal Conflict Management (3)

Human Comm 313 Interpersonal Communication Theory (3)

Human Comm 318 Family Communication (3)

Human Comm 324 Communicating in Teams and Groups (3)

Human Comm 331 Sex and Gender in Human Communication (3)

Human Comm 360 Nonverbal Communication (3)

Human Comm 413 Communication in Interpersonal Relationships (3)

Human Comm 440 The Dark Side of Interpersonal Communication (3)

### **Emphasis in Organizational Communication (12 units)**

An emphasis in Organizational Communication prepares students for careers in business, nonprofit organizations and government. These organizations depend on effective communication among individuals and units within the organization, as well as with customers or other constituencies on the outside in order to achieve their goals. One of the primary causes of organizational malfunction is a failure to meet communication challenges, and these challenges are especially great in our multicultural society and in a world made small by travel and communication technology. Experts in organizational communication have the competencies needed to identify the barriers to effective communication within organizations and between organizations and their customers or other constituencies, and to remove those barriers through organizational structural changes, policy changes, use of communication technologies and media, and training/development of employees. Students who complete their degree with this emphasis are prepared for careers such as communication trainer, community relations director or representative, conflict manager, customer service representative, director of corporate communications, executive manager, human resource manager, industrial and labor relations representative, mediator, negotiator, public information officer or sales representative. The organizational communication emphasis, combined with a business administration minor, provides an exceptional background for those with an interest in careers that focus on communication in the business environment.

Human Comm 220 Interpersonal Conflict Management (3)

Human Comm 324 Communicating in Teams and Groups (3)

Human Comm 325 Interviewing: Principles and Practices (3)

Human Comm 326 Organizational Communication Dynamics (3)

Human Comm 333 Communication in Business and the Professions (3)

Human Comm 433 Training and Development (3)

Human Comm 437 Internship: Speech Communication (3)

Human Comm 445 Leadership: Toxic and Intoxicating (3)

Human Comm 479 Mediation: Principles and Practice (3)

### **Emphasis in Communication Studies (12 units)**

An emphasis in Communication Studies provides students with the opportunity to focus on two of the emphases. Many students, for example, combine courses from the Intercultural Communication emphasis with either the Organizational Communication or the Interpersonal Communication emphasis. The selection of courses must be adviser-approved and from at least two of the emphases.

### **MINOR IN SPEECH COMMUNICATION**

An understanding of the challenges of effective communication and how communication can be facilitated is of great value in almost any career. Some careers, such as those in human services, require an understanding of communication between individuals. Other careers, such as those in business, nonprofit organizations or government, require an understanding of communication within and between organizations and between organizations and their customers or other constituencies. For example, business majors may benefit from knowledge and skills in organizational and multicultural communication, particularly in our multicultural society. The Minor in Speech Communication is structured to meet the individual student's aptitudes, interests and career goals. The minor is earned by the successful completion of 18 adviser-approved units.

### **MASTER OF ARTS IN COMMUNICATIVE DISORDERS AND IN SPEECH COMMUNICATION**

The Master of Arts in Communicative Disorders (speech-language pathology and audiology), accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1969, is designed to: (1) provide students with graduate, professional level studies covering the broad field of communicative disorders; (2) provide students with opportunities to observe, learn and serve communicatively impaired clients within a wide range of clinical facilities, both on- and off-campus; and (3) train students to assess, diagnose and formulate therapy plans and to function as therapists for selected types and populations of the communicatively impaired.

The Master of Arts in Speech Communication is designed to give students broad exposure to theory and research and, at the same time, allow them to specialize in one area (i.e., argumentation and persuasion, interpersonal communication, intercultural communication, organization communication, or rhetorical studies). The objectives of the degree include improving the student's academic and professional competence, preparing the student for advanced graduate work toward the doctoral degree, developing the student's research capabilities, increasing student's knowledge in the area of specialization, and for the student planning a teaching career, providing the opportunity to develop teaching skills. The student is expected to demonstrate a high degree of intellectual competence and scholarly discipline, to evaluate critically and to demonstrate mastery of the field of specialization.

### **Admission to Graduate Standing: Conditionally Classified**

Applicants must meet the university requirements for admission to conditionally classified graduate standing: a baccalaureate from an accredited institution and a grade-point average of at least 3.0 in the last 60 semester units attempted is preferred. Applicants for the Communicative Disorders Program must have a baccalaureate in communicative disorders or the equivalent. The equivalent consists of a prescribed list of courses which total 36 semester units and which form an appropriate background for graduate studies. Applicants for Speech Communication are required to have a baccalaureate in speech communication or an allied field or complete nine units of approved background studies in speech communication.

In addition, the following factors will be taken into consideration by the Graduate Committee in determining who shall be admitted to the program:

1. Grade-point average
2. Letters of recommendation (preferably on department forms)
3. Professional objectives as presented in a student letter of intent

### **Application Deadlines**

The deadlines for completing online applications are March 1 for the fall semester and Nov. 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

### **Graduate Standing: Classified**

A student who meets the requirements for conditionally classified graduate standing, as well as the following requirements, may be granted classified graduate standing upon the development of an approved study plan:

1. Enrollment in Human Comm 501, Seminar in Speech-Language Pathology, is a pre-classification requirement for the M.A. Degree in Communicative Disorders
2. Enrollment in Human Comm 500, Research in Speech Communication is required within the first nine units of graduate work included on the study plan
3. Completion of the study plan with 30 units of studies approved by an adviser and the Department Graduate Committee

### **GRADUATE STUDY PLAN (GSP)**

Requirements for the M.A. Degree in Communicative Disorders consist of a minimum of 30 units of study approved by the Department Graduate Committee. These are:

- Courses totaling 15 units, Human Comm 500, Research in Speech Communication, taken in the first nine units of GSP coursework; Human Comm 542, Neurologic and Clinical Aspects of Speech, Language and Cognition; Human Comm 543, Seminar in Dysphagia; Human Comm 576, Seminar in Augmentative and Alternative Communication; and Human Comm 577, Seminar in Child Language Disorders.

- Five 500-level academic courses in communicative disorders totaling 15 units, which may include either Human Comm 597, Directed Graduate Research, or Human Comm 599, Independent Study.
- Comprehensive exams are taken in ten areas throughout the course of graduate study when prerequisite coursework has been completed.

Requirements for the M.A. Degree in Speech Communication consist of a minimum of 30 units of 400- and 500-level courses approved by the Department Graduate Committee. These are:

- Courses totaling 15 units, Human Comm 500, Research in Speech Communication, taken in the first nine units of GSP coursework; Human Comm 536, Seminar in Communication and Rhetorical Theory; and three additional 500-level seminars.
- Completion of 30 units of coursework and passing a comprehensive examination, or completion of 27 units of coursework and writing a project (Human Comm 597, Directed Graduate Research) for three units, or completion of 24 units of coursework and writing a thesis (Human Comm 598) for six units.

For further information, consult the Department of Human Communication Studies.

### **SPEECH-LANGUAGE PATHOLOGY SERVICES CREDENTIAL IN LANGUAGE, SPEECH AND HEARING**

Speech pathologists who wish to practice in the public school setting are required to obtain an M.A. Degree in Communicative Disorders and the Speech-Language Pathology Services Credential in Language, Speech and Hearing (SLPSC), which they may declare as an objective when they apply for admission to the graduate program. The credential may also be declared as an objective at a later time as long as the student has maintained continuous enrollment in the graduate program. After the student leaves the graduate program, re-admission is required in order to fulfill requirements for the credential. It is, therefore, strongly recommended that students complete the credential while working on the M.A. Degree unless they are absolutely certain that they will not later wish to work in the public schools.

To obtain the SLPSC, students must earn the M.A. Degree in Communicative Disorders. In addition, they must meet requirements that are somewhat more specific than those for the M.A. Degree alone. These requirements are listed below.

The required courses and clinical practice for the SLPSC must be completed with a grade-point average of 2.50 and at least a "C" (2.0) must be earned for each course and practicum. In the case of credit/no credit grades for certain clinical practicum courses, the student must earn a credit. Students are required to complete clinical clock hours according to the requirements of the American Speech-Language-Hearing Association. Some of the clinical clock hours must be in audiology and aural rehabilitation. In addition, 100 of the 350 supervised clock hours must be completed at a school site or its equivalent. The hours must be supervised in all cases by persons holding

the ASHA Certificate of Clinical Competence in Speech-Language Pathology and the appropriate state license. The supervisor of the public school practicum must also hold the Clinical Rehabilitative Services Credential on the SLPSC. If equivalences have been granted for a clinical practicum that was completed at another university, appropriate documentation of clinical clock hours completed at the other institution must be provided to the Communicative Disorders Program so that it can be placed in the student's clinical practicum file.

Finally, the student must demonstrate proficiency in reading and writing through passing the University Examination in Writing Proficiency (EWP) and through obtaining a "C" (2.0) or better in Human Comm 300 Introduction to Research in Speech Communication.

Alternatively, the student may demonstrate reading and writing proficiency by obtaining a "C" (2.0) or better in Human Comm 500 Research in Speech Communication. Students must also pass the CBEST Exam prior to entering the credential program. The Credential Coordinator should be contacted by the students early in their program to review requirements and give further information on the requirements for the credential.

### **Academic and Clinical Practicum Requirements**

*Undergraduate courses from related areas:*

Psychology 361 Developmental Psychology (3)

Special Ed 371 Exceptional Individual (3)

### **M.A. Degree and Graduate-Level Courses in Communicative Disorders**

Academic courses in the major. The following courses are required for the SLPSC, but some of them may also be used for the partial fulfillment of requirements for the M.A. Degree. Additional graduate study plan coursework is also required for the M.A. degree.

Human Comm 404 Communicative Disorders of the Bilingual/Multicultural Child (3)

Human Comm 490 Seminar: Speech and Hearing Services in the Schools (2)

Human Comm 571 Seminar in Fluency Disorders (3)

Human Comm 573 Seminar in Voice Disorders (3)

Human Comm 574 Seminar in Phonological Disorders (3)

Human Comm 576 Seminar in Augmentative and Alternative Communication (3)

### **Clinical Practicum Requirements**

Human Comm 458 Clinical Practicum: Speech and Language Disorders in Children (3)

Human Comm 468 Audiology Practicum (1)

Human Comm 485 Aural Rehabilitation Practicum (1)

Human Comm 489A Public School Practicum in Communicative Disorders (4)

Human Comm 558A Clinical Practicum: Speech and Language Disorders in Adults (3)

Human Comm 558C Clinical Practicum: Communicative Disorders and Differences in Individuals from Diverse Backgrounds (3)

Human Comm 558D Clinical Practicum: Augmentative Communication and Instrumental Management of Communicative Disorders (2)

Human Comm 559A Advanced Clinical Practicum: Communicative Disorders (3)

## **CERTIFICATION, LICENSURE AND CREDENTIALS IN COMMUNICATIVE DISORDERS**

### **Certification**

The Communicative Disorders program is fully accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association (ASHA). Graduate study in this program leads to certification in speech-language pathology with ASHA (CCC-SLP).

The CCC-SLP is awarded by the American Speech-Language-Hearing Association to persons who (a) complete the M.A. Degree in speech-language pathology, (b) complete the required clinical practicum by taking prescribed combinations of clinical practicum courses, (c) achieve all required knowledge-based and skill-based competencies, (d) pass the National Examination in Speech-Language Pathology, (e) successfully complete a Clinical Fellowship Year and (f) submit the appropriate application materials to the American Speech-Language-Hearing Association. All students should be familiar with the requirements for the CCC-SLP. All students should obtain a copy of the latest ASHA Membership and Certification Handbook during the last year of their graduate studies, and they should read all materials carefully. Their advisers are not responsible for informing students of ASHA requirements that are to be met after graduation. Copies of the Handbook are available from the Graduate Assistant in the CSUF Speech and Hearing Clinic or directly from ASHA at the following address and telephone number:

American Speech-Language-Hearing Association  
Membership and Certification Section  
2200 Research Blvd.  
Rockville, Maryland 20850  
Telephone 800-498-2071

### **Licensure**

The speech-language pathology license is required to work as a speech-language pathologist in all settings in California except for the public school and in certain exempt federal employment settings. The license is awarded by the Speech-Language Pathology and Audiology Board (SLPAB) of the Medical Board of California to those who (a) complete the M.A. Degree in speech-language pathology, (b) complete the required clinical practicum by taking prescribed practicum courses, (c) pass the National Examination in Speech-Language Pathology, (d) successfully complete a Required Professional Experience (RPE) and (e) submit the appropriate application materials to SLPAB.

Although students will have met or exceeded the academic and clinical practicum requirements for licensure in California by the time they complete their M.A. degree and the last of the clinical practicum courses that are required for the Certificate of Clinical Competence in Speech-Language Pathology (ASHA), they should still become familiar with the specific requirements for licensure during their last year of graduate studies. A copy of the "Student Manual for Licensure in Speech Pathology and Audiology" may be obtained from the Graduate Assistant in the CSUF Speech and Hearing Clinics or directly from SLPAB at the following address and telephone number:

Speech-Language-Pathology and Audiology Board  
2005 Evergreen Street, Suite 2100  
Sacramento, CA 95815  
Telephone 916-263-2666

### **INTERNATIONAL LEARNING OPPORTUNITIES IN SPEECH COMMUNICATION**

The Department of Human Communication Studies integrates issues of ethnicity and culture in all of its courses. This ensures that students understand their own culture in relationship to other cultures and therefore develop a global perspective. Six faculty members are nationally and/or internationally recognized for their expertise in intercultural communication, multiculturalism and bilingual issues.

Courses in intercultural communication are included in the communication theory and process curriculum. These courses emphasize the nature and effects of such communication on multicultural, multinational and domestic relationships. Clinical experiences that are part of the communicative disorders curriculum also provide expertise on multicultural and bilingual issues.

Speech Communication students provide international learning opportunities for other students on campus as well by providing training for CSUF students who will be studying in international universities.

### **SPEECH COMMUNICATION COURSES**

Courses are designated as HCOM in the class schedule.

#### **100 Introduction to Human Communication (3)**

Theory and practice of interpersonal communication. Practice in the development of skills for improving the quality of communication is required.

#### **102 Public Speaking (3)**

Theory and presentation of public speeches, including an analysis of determinants of comprehension and attitude formation; selection and organization of speech materials, development of delivery skills and evaluation of message effectiveness. Student presentations required. Participation in research projects.

#### **138 Forensics (3)**

Prerequisite: consent of instructor. Investigation and practice in the background, format procedures and evaluation criteria of the various forensic events. Students must participate in at least two intercollegiate speech tournaments. May be repeated for credit. (More than 6 hours of class work for each unit of credit)

#### **200 Human Communication (3)**

Theories and competencies in interpersonal, small group, public, organizational and intercultural communication. Variations in communication processes across contexts are investigated.

#### **220 Interpersonal Conflict Management (3)**

Nature, causes and structure of interpersonal conflict; communication strategies exhibited in conflict and intervention principles for conflict management. Conflict management theory is applied to conflicts within marriages, small groups, organizations and intercultural relationships.

#### **235 Essentials of Argumentation (3)**

Methods of critical inquiry and advocacy. Identify fallacies in reasoning, testing evidence and evidence sources; advance a reasoned position; and defend and refute arguments. Analysis and evaluation of oral and written arguments.

#### **236 Essentials of Debate (3)**

Theory and practice in activity of debate, emphasizing skill in analysis and reasoning, researching and organizing evidence, evaluating stock issues relating to policy and value propositions and engaging in regulation.

#### **241 Introduction to Phonetics (3)**

Analysis and description of speech at the segmental and suprasegmental levels. Practice using the International Phonetic Alphabet for broad and narrow transcription. Overview of speech production.

#### **242 Introduction to Communicative Disorders (3)**

Broad overview of disorders of communication, including classification and prevalence. Educational and training requirements for speech-language pathology and audiology, professional settings and opportunities, ethical considerations, clinical observations.

#### **300 Introduction to Research in Speech Communication (3)**

Prerequisites: Human Comm 100 or 200, open only to speech communication majors. Understanding and using professional literature in speech communication and using it to generate a formal research paper. A passing grade fulfills the course requirement of the university upper division baccalaureate writing requirement for speech communication majors and communicative disorders majors.

#### **301 Liberal Studies in Communication Processes (3)**

Interdisciplinary study and its relationships to communication theory. How communication occurs in various disciplines. Theories about the nature of language and how this influences the pursuit of learning. No credit for speech communication majors.

### **302 Introduction to Sign Language (3)**

Prerequisites: Human Comm 100 or 102; English 101.

Overview of the deaf experience and the options for communication in the deaf community. Use of American Sign Language and finger spelling at the introductory level.

### **303 Biology of Human Communication (3)**

Prerequisite: Biology 101 or Psychology 101. Biology and evolution of speech and language. Speech production, evolution and development; speech perception; language, hemispheric specialization, clinical studies; current methods in neurolinguistics; and plasticity and aging.

### **307 Speech and Language Development (3)**

Prerequisite: completion of General Education Category I.A. or Linguistics 106 or equivalent. Normal acquisition of phonology, morphology, semantics, syntax and pragmatics in children. Biological, cognitive and social bases of language acquisition. Meets the requirements for specialized preparation to serve as a teacher of exceptional children. (Same as Linguistics 307).

### **308 Quantitative Research Methods (3)**

Prerequisite: Human Comm 100 or 200. Current perspectives in empirical research methodology in the discipline of Speech Communication. Experimental designs, common statistical tests and the use of the computer as a research tool.

### **312 Intermediate Sign Language (3)**

Prerequisite: Human Comm 302 Theory, practice and grammatical features of American Sign Language at the intermediate level. Students gain an understanding of the deaf cultural perspective.

### **313 Interpersonal Communication Theory (3)**

Prerequisites: Human Comm 100, 200. Behavioral and humanistic approaches to theories of interpersonal communication. Functions of communication that influence interpersonal relationships, including communicator characteristics, information exchange, situational demands and interpersonal evaluations.

### **318 Family Communication (3)**

Prerequisite: Human Comm 200. Research and theory in family communication. Role of communication in courtship, family satisfaction, family conflict and family dysfunction, with emphasis on marital, parent-child sibling and intergenerational family relationships.

### **320 Intercultural Communication (3)**

Prerequisite: Human Comm 100. Communication problems that result when members of different cultures communicate. How interpersonal communication can overcome differences in cultures' perceptions of communication's functionality, value orientations, nonverbal behavior, language, epistemologies and rhetorics.

### **322 Study Abroad Seminar (1)**

Corequisite: enrollment in the CSU International Programs or California State University, Fullerton Exchange Programs. Orientation to living in another culture for students studying abroad. Intercultural adaptation process (e.g., culture shock) and understanding host nationals' behavior.

### **324 Communicating in Teams and Groups (3)**

Prerequisites: Human Comm 100, 200. Application of communication theories and behavioral research findings as they relate to small groups and teams. Communication facilitation among individuals in task realization, including interpersonal needs, leadership, norms, roles, verbal and nonverbal messages and group systems and procedures.

### **325 Interviewing: Principles and Practices (3)**

Prerequisite: Human Comm 100. Principles and practices of interviewing processes. Consideration of appraisal, counseling, employment, exit, journalistic, persuasive and survey types of interviews. Case analyses, simulations and community fieldwork required.

### **326 Organizational Communication Dynamics (3)**

Prerequisites: Human Comm 100, 200. Interrelationships between management and communication theories. Microsystems and macro-systems within an organization are emphasized in terms of intra-personal, interpersonal, small group and organizational communication theories.

### **330 Rhetoric of Popular Culture (3)**

Corequisite: Human Comm 200. Rhetorical theories as they apply to contemporary communication events. Various perspectives of rhetorical theory are utilized to further understanding of communication in today's society.

### **331 Sex and Gender in Human Communication (3)**

Prerequisite: Human Comm 100 or 200. Rhetorical dimensions of sex and gender American communication contexts. Explanation and evaluation of the creation and maintenance of masculinity and femininity in American culture from a rhetorical perspective.

### **332 Processes of Social Influence (3)**

Prerequisite: Human Comm 100 or 200. Major theories of communication concerned with influence and persuasion in society. Communication effectiveness through strategic application of theory to effecting change and evaluating appeals for change by others.

### **333 Communication in Business and the Professions (3)**

Prerequisite: Human Comm 100 or 200. Human behavior, structural demands and communication within organizations. Application of theory and behavioral research as a framework for generating managerial communication competencies such as inter-viewing, briefings, conference leadership and intergroup coordination.

**334 Persuasive Speaking (3)**

Prerequisite: Human Comm 102 or equivalent. Strategies and tactics appropriate to leading social policy persuasive campaigns. Analysis of receiver variables, progressive use of persuasive materials, question and answer techniques and the development of personal influence. Student presentations required.

**335 Advanced Argumentation (3)**

Prerequisite: Human Comm 236 or equivalent. Argument as applied to advocacy; logic and evidence as related to analysis of significant issues.

**337 Communication in the Legal Arena (3)**

Prerequisite: an upper-division writing requirement course. Influence of communication behaviors on civil and criminal judicial processes. Review and evaluation of research into communication variables and legal practices, from interviewing to closing arguments. Courtroom observation required.

**338 Intercollegiate Forensics (3)**

Prerequisite: consent of instructor. Directed activity in debate and other forensic events. Participation in intercollegiate speech competition is required for credit. May be repeated for credit. (More than 6 hours of class work for each unit of credit.)

**340 Asian American Communication (3)**

(Same as Asian American 340)

**342 America Speaks (3)**

Prerequisites: Human Comm 100, 102 or Poli Sci 100; History 110A or 110B. America's story told through the speeches that moved her. In addition to critical evaluation of significant messages, emphasis is placed on what it would have been like to be part of the American audience exposed to famous speeches and speakers.

**344 The Anatomy and Physiology of Speech and Hearing (3)**

Anatomy and physiology of the speech and hearing mechanism. Processes of respiration, phonation, articulation-resonance and hearing are included.

**345 Communication and Aging (3)**

Prerequisite: Human Comm 100. Communicative changes found in older adults including normal and pathologic changes in the physiological and behavioral aspects. Topics include diagnosis, rehabilitative strategies, social implications and health care systems.

**350 Speech and Hearing Science (3)**

Prerequisites: Human Comm 241 and 344. Physiology and acoustics of speech production, including voice, resonance and individual speech segments. Instrumentation for the acoustic and perceptual analysis of speech.

**352 Child Language and Phonological Disorders (3)**

Prerequisites: Human Comm 241 or Linguistics 351; Human Comm 242 and 307. Language and phonological disorders in children. Speech/language profiles of special populations and contemporary approaches to assessment and intervention. Includes practice in the analysis of child speech/language samples.

**360 Nonverbal Communication (3)**

(Same as Linguistics 360)

**404 Communicative Disorders of the Bilingual/Multicultural Child (3)**

Prerequisites: Human Comm 241, 242, 307, and 352. Comparative analysis of different versus delayed or deviant speech/language development of children from various cultural, ethnic and linguistic backgrounds. Principles of clinical management of children from culturally diverse populations.

**407 Speech-Language Development and Disorders for Educators (3)**

Prerequisite: Special Ed 371 or 400. Monolingual and bilingual speech-language development and disorders, including characteristics of children with potential speech-language problems and techniques for assisting them in classroom settings.

**413 Communication in Interpersonal Relationships (3)**

Prerequisite: Human Comm 313. Communication in the interpersonal relationship development setting with particular emphasis on current theoretical and methodological issues.

**420 Communication Theory (3)**

Prerequisites: Human Comm 200, 300, 308, or graduate standing. Various theories and perspectives on human communication. Understanding basic forms of theories and developing theoretical perspectives on human communication.

**422 Applications of Intercultural Communication (3)**

Prerequisite: Human Comm 320. Nature and effects of intercultural communication within multicultural/multinational organizations. Intercultural leadership, negotiation, decision-making and communication competence. Analyze and practice a number of intercultural training approaches.

**426 Directing Forensics (3)**

Prerequisites: Human Comm 138, 338. Philosophies of forensics education, including coaching, judging and tournament administration. Strategies of implementation of these philosophies. May be repeated for credit.

**430 Classical Rhetoric (3)**

Prerequisites: six units of upper-division coursework in Human Communication Studies including Human Comm 300. Significance of rhetoric and oratory in Greek and Roman intellectual life from the fourth century B.C. to 300 A.D. Contributors include Protagoras, Isocrates, Plato, Aristotle, Cicero, Quintilian and Augustine.

### **432 Contemporary Rhetoric (3)**

Prerequisites: six units of upper-division major courses.

Theories of how cultures and individuals manage meaning in public communication, including speeches, campaigns, print and electronic media. Applies classical, modern and contemporary critical frameworks of analysis.

### **433 Training and Development (3)**

Prerequisites: Human Comm 324 or Human Comm 326, and Human Comm 308. Communication in a training and development environment with particular emphasis on learning principles, instructional design, implementation and evaluation of training and needs assessment.

### **435 Communication in Community Building and Civic Engagement (3)**

Prerequisites: Human Comm 100 and junior standing. Human dialogue and “talk” in the development of a democratic society. Barriers to community dialogue/building and civic engagement will be examined. Relevant communication procedures, methods and theories will be examined and applied.

### **437 Internship: Speech Communication (3)**

Prerequisites: any two of the following courses: Human Comm 301, 324, 326, 333, 420 or consent of instructor. On-site involvement with communication frameworks as they function in ongoing organizational settings. Working in an organization and seminar activities. Application for internship must be submitted prior to enrollment.

### **438 Principles of Rhetorical Criticism (3)**

Prerequisites: six units of upper-division communication theory and process courses to include Human Comm 300. Explanation and evaluation of rhetorical experience. Historical modes of criticism, issues in rhetorical criticism, criticism in various contexts and experiences in criticism.

### **440 The Dark Side of Interpersonal Communication (3)**

Prerequisite: Human Comm 200 or 313; or graduate standing. Social scientific literature regarding the “dark side” of communication, which includes aspects of communication that are poorly understood, understudied and/or classified as destructive, dysfunctional, evil, immoral, malicious, criminal or abusive.

### **445 Leadership: Toxic and Intoxicating (3)**

Prerequisite: completion of upper-division writing requirement in a major. Leadership from a communication theory perspective. Leadership dynamics to help gain insight into leadership and the influences.

### **446 Intercultural Conflict: Theory and Practice (3)**

Prerequisite: Human Comm 320. Relationship between intercultural conflict theory and practice. Key cultural patterns that impact conflict. Theoretical and applied perspectives on intercultural conflict across contexts will be emphasized.

### **458 Clinical Practicum: Speech and Language Disorders in Children (3)**

Prerequisites: Human Comm 352 and 476; concurrent enrollment in 574 or 577; admission to the graduate program in communicative disorders; approved Clinical Practicum Plan. Supervised experience in the assessment and treatment of children with speech and language disorders. Weekly individual and group conferences. Approximately 25-40 clinical clock hours. May be repeated for credit.

### **461 Audiology and Audiometry (3)**

Prerequisites: Human Comm 242 and 344. Characteristics of hearing disorders, including etiologies and risk factors. Methods and procedures used in assessing the auditory system including current topics of interest. Partially fulfills the requirements for state audiometrist certificate.

### **465 Aural Rehabilitation (3)**

Prerequisite: Human Comm 461. Effects of hearing loss on speech and language. Treatment of hearing disorders, including amplification and aural rehabilitation. Role of the audiologist and speech-language pathologist in the management of hearing disorders.

### **468 Audiology Practicum (1)**

Prerequisites: Human Comm 461 and approved Clinical Practicum Plan. Audio-metric evaluations, including pure tone testing, hearing aid evaluations, impedance audiometry and report writing. Provides 10-15 clinical clock hours in audiology.

### **472 Voice and Craniofacial Disorders (3)**

Prerequisites: Human Comm 241, 242 and 344. Disorders of voice; disorders of articulation and resonance caused by orofacial pathology. Anatomical and physiological bases, assessment, diagnosis, management and interdisciplinary aspects.

### **474 Neurology and Neurogenic Communicative Disorders (3)**

Prerequisites: Human Comm 241, 242, 307 and 344. Anatomy and physiology of the nervous system as they relate to speech, language, hearing and swallowing. Clinical characteristics of neurogenic language disorders, apraxia of speech and dysarthria. Contemporary approaches to assessment and treatment. Lecture, demonstration and clinical observations.

### **475 Fluency Disorders (3)**

Prerequisites: Human Comm 241, 242, 307 and 344. Theories of development and remission of stuttering, constitutional and environmental risk factors. Clinical characteristics of stuttering. Contemporary approaches to assessment and treatment. Lecture, demonstration, clinical observations and exercises.

### **476 Clinical Methods and Procedures (3)**

Prerequisites: Human Comm 241, 242, 307, 344, 352; and 472, 474 or 475. General principles and procedures for assessment and treatment of individuals with communicative disorders. Lecture, demonstration, clinical observations and supervised clinical experience.

**479 Mediation: Principles and Practice (3)**

Prerequisite: Human Comm 200. Principles and practices of mediation as dispute intervention. In addition to lectures and class exercises, students become participants in mediated dispute role-play scenarios. Knowledge gained should serve students throughout their personal and professional lives.

**485 Aural Rehabilitation Practicum (1)**

Prerequisites: Human Comm 461, 465, and 458 or 558A; and approved Clinical Practicum Plan. Supervised rehabilitation of hearing-impaired children and adults in on- and off-campus facilities. Provides 10-15 clinical clock hours in aural rehabilitation. Sign language background recommended. Credit/no credit only.

**489A Public School Practicum in Communicative Disorders (4)**

Prerequisites: Human Comm 458, 543, 558A, 571, 573, 574 and 577; concurrent enrollment in Human Comm 490; admission to the graduate program in communicative disorders; approved Clinical Practicum Plan; and passing score on CBEST; application approved prior to semester of practicum. Meets the directed teaching requirements for the Speech-Language Pathology Services Credential. Approximately 100-150 clinical clock hours.

**489B Advanced Public School Practicum (3)**

Prerequisites: Human Comm 489A; admission to the graduate program in communicative disorders; approved Clinical Practicum Plan; application approved prior to semester of practicum. Advanced clinical practice in the public school setting. Meets the directed teaching requirements for the Clinical Rehabilitative Service Credential. Approximately 100 hours of supervised clinical practicum with children.

**490 Seminar: Speech and Hearing Service in Schools (2)**

Prerequisites: concurrent enrollment in Human Comm 489A and admission to the graduate program in communicative disorders. Problems and challenges unique to the student clinician in the organization and management of the speech and hearing program in the school. Clinician's role; planning, scheduling, case finding, treatment program reporting and other responsibilities.

**492T Proseminar in Speech Communication (3)**

Prerequisites: appropriate theoretical coursework and consent of instructor. Current research topics in the concentration areas of persuasion and argumentation, interpersonal communication, intercultural communication and organizational communication will be presented. May be repeated for credit for a different topic.

**496 Student-to-Student Tutorials (1-3)**

Consult "Student-to-Student Tutorials" in this Catalog for a more complete course description.

**499 Independent Study (1-3)**

Open to upper-division students in speech communication only with signed consent form from department chair.

**500 Research in Speech Communication (3)**

Prerequisites: Human Comm 300, 308 or equivalent; admission to M.A. program. Research design and methods used in historical, descriptive and experimental research in speech communication.

**501 Seminar in Speech-Language Pathology (1)**

Prerequisite: admission to the M.A. program in communicative disorders. Introduction to requirements for M.A. degree in communicative disorders, including requirements for demonstrating knowledge-based and skill-based competencies. Students start a portfolio for documentation of competencies and demonstrate a number of competencies within this course. Credit/no credit only. May be repeated three times for credit.

**509 Qualitative Research Methods (3)**

Prerequisite: Human Comm 300. Perspectives in qualitative research methodology in Speech Communication (ethnography, naturalistic inquiry, case study, phenomenological research, textual/content analysis, archival analysis). Interpretive design; application of standards; data analysis; reporting conclusions.

**510 Seminar in Interpersonal and Relational Communication (3)**

Prerequisites: Human Comm 324, 313 and 420. Theoretical and empirical examination of interpersonal and relational communication. Generation of theoretical frameworks and/or heuristic models of concepts and process under investigation.

**520 Seminar in Group Communication (3)**

Prerequisite: Human Comm 324. Small group communication theory. Small group variables, methods and outcomes and group process as a learning tool.

**522 Seminar in Intercultural Communication (3)**

Prerequisite: Human Comm 320. Theory and methodology in intercultural communication research. Specific variables examined include attribution, values, communication competence and acculturation/adaptation. Practice in completing original research in intercultural communication.

**525 Seminar in Organizational Communication (3)**

Prerequisites: Human Comm 324, 326 and 420. Theoretical postulates concerning managerial and organizational communication. Research findings and case studies relating to communication determinants and organizational effectiveness. Communicative relationships among individuals, the work unit and the organization.

**535 Seminar in Argumentation and Persuasion (3)**

Prerequisites: Human Comm 332, 334 or 335. Leading theories and empirical research on argumentation and persuasion. Strategies of effective advocacy and compliance-gaining. Laboratory research and applied settings. Ethical issues related to argumentation and persuasion.

### **536 Seminar in Communication and Rhetorical Theory (3)**

Prerequisite: admission to the graduate program in speech communication. Analysis of rhetorical and communication theories. Comparisons and contrasts of the epistemological bases of empirical and humanistic inquiry.

### **542 Neurologic and Clinical Aspects of Speech, Language and Cognition (3)**

Prerequisite: admission to the graduate program in communicative disorders. Neuroanatomy as it relates to speech, language and cognition; neuropsychological bases of consciousness, attention, sensation, perception, higher mental functions, language and motor speech; emphasis on assessment, diagnosis, prognosis and management of neurogenic communicative disorders.

### **543 Seminar in Dysphagia (3)**

Prerequisites: Human Comm 542; admission to the graduate program in communicative disorders. Theory and clinical aspects of dysphagia. Physiology of normal swallow, etiologies of dysphagia, clinical and instrumental assessment, diagnosis and management.

### **544 Seminar in Neurogenic Speech, Language and Cognitive Disorders (3)**

Prerequisites: Human Comm 542; admission to the graduate program in communicative disorders. Theory and clinical aspects of neurogenic speech, language and cognitive disorders. Standardized and informal assessment, differential diagnosis, prognosis and management, including evaluation of the validity of clinical practice guidelines through the analysis of published research.

### **554 Seminar in Multicultural Issues in Communicative Disorders (3)**

Prerequisites: Human Comm 404 and admission to the graduate program in communicative disorders. Critical review of current theory and research on the clinical management of clients from culturally/linguistically diverse populations. Opportunities for practical applications of research through case study review and laboratory activities.

### **558A Clinical Practicum: Speech and Language Disorders in Adults (3)**

Prerequisites: Human Comm 472, 474, 475, 476, 542 and admission to the graduate program in communicative disorders and approved Clinical Practicum Plan. Supervised experience in assessment and treatment of adults with speech and language disorders. Weekly individual and group conferences. Approximately 25-40 clinical clock hours. May be repeated for credit.

### **558B Clinical Practicum: Diagnosis in Communicative Disorders (2)**

Prerequisites: Human Comm 476, admission to the graduate program in communicative disorders and approved Clinical Practicum Plan. Supervised experience in assessment and diagnosis of speech and language disorders. Develop an understanding of procedures and process of clinical supervision. Approximately 10-20 clinical clock hours. May be repeated for credit.

### **558C Clinical Practicum: Communicative Disorders and Differences in Individuals from Diverse Backgrounds (3)**

Prerequisites: Human Comm 404; 458, 558A and admission to the graduate program in communicative disorders and approved Clinical Practicum Plan. Supervised experience in assessment and treatment of clients from culturally/linguistically diverse populations. Between 10 and 20 clinical clock hours, depending on units. May be repeated for credit.

### **558D Clinical Practicum: Augmentative Communication and Instrumental Management in Communicative Disorders (2)**

Prerequisites: Human Comm 458 or 558A, 576, or concurrent enrollment, admission to the graduate program in communicative disorders and approved Clinical Practicum Plan. Practice using software programs and equipment for instrumental assessment and for augmentative and alternative communication. Approximately 5-20 clinical clock hours. May be repeated for credit.

### **559A Advanced Clinical Practicum: Communicative Disorders (3)**

Prerequisites: Human Comm 458, 543, 558A, 571, 573, 574, 576, 577; admission to the graduate program in communicative disorders; and approved Clinical Practicum Plan. Advanced clinical practice under supervision with children and/or adults. Off-campus program in hospitals, clinics and other rehabilitation facilities. Approximately 150 clinical clock hours.

### **559B Advanced Clinical Practicum: Communicative Disorders (1-3)**

Prerequisites: Human Comm 458, 543, 558A, 571, 573, 574, 576, 577; admission to the graduate program in communicative disorders; and approved Clinical Practicum Plan. Advanced clinical practice, under supervision with children and/or adults. Off-campus program in hospitals, clinics and other rehabilitation facilities. Approximately 50 clinical clock hours per unit. May be repeated for credit.

### **564 Autism Spectrum Disorders in Speech-Language Pathology (3)**

Prerequisites: Human Comm 577 and admission to the graduate program in communicative disorders. Communication disorders in children with autism spectrum disorders (current theories, diagnostic process, co-occurring conditions, the role of speech-language pathologists in multi-disciplinary approaches to assessment and intervention planning, critical review of relevant research).

### **571 Seminar in Fluency Disorders (3)**

Prerequisites: Human Comm 308, 475, or equivalent. Reading assignments, seminars, lectures and case reviews to enable students to develop a framework for understanding the etiology and maintenance of stuttering and to develop their own approaches to assessment and treatment.

**573 Seminar in Voice Disorders (3)**

Prerequisites: Human Comm 472 and admission to the graduate program in communicative disorders. Review classification of voice disorders (perceptually); examine instrumental assessment of such disorders (acoustically); and emphasize a comprehensive physiological, perceptual and acoustic work-up of individual cases.

**574 Seminar in Phonological Disorders (3)**

Prerequisites: Human Comm 352 and admission to the graduate program in communicative disorders. Developing critical thinking and analytical skills related to current issues in linguistic theories on the assessment and treatment of phonological disorders in children.

**576 Seminar in Augmentative and Alternative Communication (3)**

Prerequisite: admission to the graduate program in communicative disorders. Historical service delivery approaches; symbol sets and systems; assessment and management strategies for persons with severe physical and speech impairments; advocacy approaches for the disabled.

**577 Seminar in Child Language Disorders (3)**

Prerequisites: Human Comm 352 and admission to the graduate program in communicative disorders. Principles of language assessment and intervention based on psycho-linguistic theory and current research on language disordered children. Development of critical thinking and analytical skills related to the assessment and treatment of language disorders in children.

**595 Pedagogy in Communication Studies (3)**

Prerequisite: admission into master's program in Speech Communication or instructor consent. Pedagogical research, theory and practice in communication studies. Practice in use and evaluation of instructional strategies. Topics covered are relevant to teach associations for Human Comm 100 and Human Comm 102.

**597 Directed Graduate Research (3)**

Prerequisite: Human Comm 500. Individual research study, under the supervision of the chair of the student's advisory committee.

**598A Thesis (2)**

Prerequisite: Human Comm 500. The selection, investigation and written presentation of a selected problem in the field of speech.

**598B Thesis (2)**

Prerequisite: Human Comm 500. The selection, investigation and written presentation of a selected problem in the field of speech.

**598C Thesis (2)**

Prerequisite: Human Comm 500. The selection, investigation and written presentation of a selected problem in the field of speech.

**599 Independent Graduate Research (1-3)**

Open to graduate students only with signed consent form from department chair. May be repeated for credit.



# Human Services

College of Health and Human Development

## INTRODUCTION

The Bachelor of Science in Human Services is a carefully articulated program providing the academic and experiential background for the student seeking a career working with people in the varied and expanding field of human services. An application-oriented major, it is based on a synthesis of knowledge from several social sciences, together with methodologies of intervention at the individual, group and community levels. Human services graduates are educated to respond in an informed way to identifiable human service needs in a variety of settings. The program's orientation and its synthesis of knowledge from many background disciplines, as well as its focus on the development of specific methods and practical skills to apply this knowledge, give it a unique perspective.

The Human Services major is structured around four interrelated components: theoretical foundations/intervention strategies; client population/cultural diversity; research/evaluation; and skill development/field experience.

About half of the graduates of the Human Services program go on to graduate programs, typically in social work, counseling, psychology, public administration or education. A human services professional may provide direct services to clients, supervise personnel, administer programs and develop policies, and/or deliver support services to professional staff. Sample career options for Human Services graduates include adoption counselor, AIDS services case manager, child protective service worker, client advocate, community educator, elementary school teacher, geriatric caseworker, human services agency administrator, parent educator, policy analyst, probation officer, social service employee, youth counselor and behavior specialist.

## BACHELOR OF SCIENCE IN HUMAN SERVICES

The Bachelor of Science in Human Services requires a minimum of 120 units, which includes courses for the major, General Education, all university requirements and some electives. The requirements for the major consist of 54 units. The required core curriculum consists of 36 units (in the above four areas), plus 18 units of adviser-approved courses related to one's anticipated professional specialization.

Majors must achieve a grade of "C" (2.0) or better in all courses included in the core curriculum and in the advisement track. It is the student's responsibility to consult an adviser on the human services faculty at least once during each of her/his first two semesters on campus to develop a study plan identifying courses for the advisement track.

### Community College Transfer Students

Community college transfer students may apply a maximum of 12 units of coursework in human services and related fields towards the total of 54 units. Transfer of any units must be approved by the student's adviser and the department adviser. For transfer students with a certificate in Substance Abuse, Domestic Violence or Gerontology, up to 18 units of coursework in human services may be applied to the total of 54 units.

### DEPARTMENT CHAIR

Mikel Hogan

### DEPARTMENT OFFICE

Education Classroom 405

### DEPARTMENT WEBSITE

<http://hdcs.fullerton.edu/husr>

### PROGRAMS OFFERED

Bachelor of Science in Human Services  
Minor in Human Services

### FACULTY

John Doyle, Joe Albert Garcia, Mikel Hogan, Melanie Horn-Mallers, Kristi Kanel, Lorraine Klein, Susan Larsen, Trent Nguyen, Lori Phelps, Carl Renold, James Ruby, J. Michael Russell, Mia Sevier

## Teaching Credential Students

The Human Services degree may be effectively combined with subject matter studies necessary for the multiple subject teaching credentials (K-8) and education specialist credential. One of the admission requirements for the multiple subject credential program is to establish subject matter competency by passing the Multiple Subject CSET. Students are encouraged to work with the Center for Careers in Teaching (CCT) (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, major and electives. The CCT website ([www.fullerton.edu/cct](http://www.fullerton.edu/cct)) provides detailed information about the CSET and other credential admission requirements.

### Required Core Curriculum (36 Units)

#### *Theoretical Foundation/Intervention (9 units)*

Human Services 201 Introduction to Human Services (3)

Human Services/Counseling 380 Theories and Techniques of Counseling (3)

Human Services 310 Case Management (3)

#### *Client Populations/Cultural Diversity (9 units)*

Afro/Human Services 311 Intracultural Socialization Patterns (3)

Child/Adolescent Studies 312 Human Growth and Development (3)  
OR Psychology 361 Developmental Psychology (3)

Psychology 341 Abnormal Psychology (3)

OR Sociology 351 Sociology of the Family (3)

#### *Research/Evaluation (9 units)*

Human Services 315 Research and Data Management in Human Services (3)

Human Services 385 Program Design and Proposal Writing (3)

Human Services 470 Evaluation of Human Services Programs (3)

#### *Skills Development/Field Experience (9 units)*

Human Services 396 Practicum Seminar (2) and Human Services 396L Practicum (1)

Human Services 495 Fieldwork Seminar (2) and Human Services 495L Fieldwork (1)

Human Services 496 Internship Seminar (2) and Human Services 496L Internship (1)

*Note:* The practicum/ fieldwork/ internship courses (Human Services 396 and 396L, 495 and 495L and 496 and 496L) must be taken in sequence. Only one fieldwork course may be taken in a given semester. Students may substitute one semester of HUSR 490 Group Leadership for a fieldwork course.

### Required Advisement Track (18 units)

In addition to the 36-unit core, the human services degree program requires each student to select, in consultation with an adviser, an 18-unit advisement track in the area of her/his anticipated professional specialization. Advisement tracks include:

1. Mental Health Track (with emphasis in either counseling or social work) – Prepares students for entry-level career options such as adoption counselor, client advocate, social service employee, youth counselor and parent educator, and for graduate work in counseling, social work, clinical psychology or marriage and family therapy.
2. Administration and Community Practice Track – Designed for students wishing to pursue careers and/or graduate study in human services agency administration, community organization, social policy and planning; prepares students for entry level career options such as outreach worker, fundraiser, grant writer and data manager.
3. Gerontology Track – Developed for students interested in working with the elderly population as a geriatric caseworker or client advocate and graduate work in gerontology.
4. Substance Abuse Treatment and Prevention Track – Designed for students who are interested in careers such as drug and alcohol counselor and rehabilitation case manager. Once students complete a Bachelor's Degree in Human Services with this track, they are eligible to take the California Association for Alcohol/Drug Educators Certification Exam.
5. Elementary Education Track – Designed for students who are interested in pursuing an elementary teaching career.
6. Persons with Disabilities Track – Developed for students interested in working with physically and/or developmentally disabled population in human services or educational settings.
7. Individualized Advisement Track – Students may develop their own track in consultation with the Human Services Department Faculty Adviser.

*Note:* Human Services 300, Character and Conflict, is required in the Mental Health advisement track and should be taken early in the program.

### MINOR IN HUMAN SERVICES

The minor in Human Services, consisting of 21 units, may be of interest to students preparing for careers in the helping professions, as well as students with a personal interest in this field. The minor provides a structured selection of courses offered by the program that can complement other majors and minors by providing practical applications of theory, foundations, self-exploration and supervised fieldwork in a human services setting.

#### Required Foundation Courses (9 units)

Human Services 201 Introduction to Human Services (3)

Human Services 311 Intracultural Socialization Patterns (3)

Human Services 380 Theories and Techniques of Counseling (3)

#### Electives

*Select 3-9 units from the following:*

Human Services 300 Character and Conflict (3)

Human Services 310 Case Management (3)

- Human Services 315 Research and Data Management in Human Services (3)
- Human Services 318 Human Services for Immigrants and Refugees (3)
- Human Services 350 Leadership Skills and Personal Development (3)
- Human Services 385 Program Design and Proposal Writing (3)
- Human Services 400 Ethical and Professional Issues in Human Services (3)
- Human Services 410 Crisis Intervention for Para-Professionals (3)
- Human Services 411 Human Services Delivery to Communities (3)
- Human Services 412 Gerontology in Human Services (3)
- Human Services 415 Treatment Issues in Drug Addiction (3)
- Human Services 416 Group Process and Membership (1)
- Human Services 420 Human Services Management (3)
- Human Services 425T Contemporary Issues in the Human Services (3)
- Human Services 430 Child Abuse and the Human Services (3)
- Human Services 434 Physiological Effects of Alcohol and Other Drugs (3)
- Human Services 435 Drug Abuse Prevention and Early Intervention (3)
- Human Services 436 Dynamics of Substance Abuse Treatment in Families (3)
- Human Services 437 Co-Occurring Disorders: Assessment, Treatment and Referral (3)
- Human Services 450 Theory and Practice of Group Counseling (3)
- Human Services 470 Evaluation of Human Services Programs (3)
- Human Services 475 Human Services Policy and Practice (3)
- Human Services 480 Case Analysis and Intervention Techniques (3)

### Fieldwork

*Select 3-9 units from the following:*

- Human Services 396/396L Practicum Seminar (2) and Practicum (1)
- Human Services 490 Practicum in Group Leadership (3)
- Human Services 495/495L Fieldwork Seminar (2) and Fieldwork (1)
- Human Services 496/496L Internship Seminar (2) and Internship (1)
- Equivalent practicum/internship course from a related University department.

### HUMAN SERVICES COURSES

Courses are designated as HUSR in the class schedule.

#### 196 Student-to-Student Tutorial (1-3)

Prerequisite: approval of Department Chair. Students gain tutoring experience with peers needing special assistance on a one-to-one basis or in small group settings. 1-3 units, credit/no credit only, does not count toward the Human Services major/minor or G.E. requirement.

#### 201 Introduction to Human Services (3)

Origin and scope of human services, including theoretical frameworks, the functions and activities of human services organizations, and the roles and related skills of human services workers.

#### 300 Character and Conflict (3)

Prerequisite: consent of instructor at first class meeting. Experiential, theme-oriented class exploring life choices in the struggle for personal autonomy. Themes include body image, sex roles, love, sexuality, intimacy, marriage, loneliness, death, meaning and values. Credit/No Credit only.

#### 310 Case Management (3)

Pre- or corequisite: Human Services 201. Principles and critical issues in case management, along with the various models of service delivery. Special attention given to the diverse populations utilizing case management systems. Collaborative and interagency services will be examined.

#### 311 Intracultural Socialization Patterns (3)

(Same as Afro-Ethnic Studies 311)

#### 315 Research and Data Management in Human Services (3)

Prerequisites: completion of General Education (G. E.) Category III.A.1. and Human Services 201. Overview of basic research and assessment skills appropriate to the delivery of human services. Introductory skills relating to library search techniques, evaluation of research articles, computer based data analysis, tracking of client progress and implications for human services. One or more sections offered online.

#### 318 Human Services for Immigrants and Refugees (3)

Pre- or corequisite, Human Services 201 or equivalent or 311. Overview of U.S. immigration policy for newcomers; examines stressors and cultural influences on coping behaviors and explores culturally sensitive models of human service delivery with an emphasis on Southeast Asian, Latino and Soviet immigrants and refugees.

#### 350 Leadership Skills and Personal Development (3)

Prerequisites: completion of G. E. Categories I.A, I.B and III.C.1. Leadership concepts and skills, including psychological process, conflict resolution, counseling and human service skills. Help students become aware of their personal leadership styles; maintaining vitality through physical and mental health will be stressed. (Same as Counseling 350)

#### 380 Theories and Techniques of Counseling (3)

Prerequisites: junior/senior standing and completion of G. E. Category III.C.1. Contemporary theories and techniques of counseling. The counseling process, comparison of various theoretical approaches, introduction to professional and ethical issues. Taught partially online. (Same as Counseling 380)

### **385 Program Design and Proposal Writing (3)**

Prerequisites: Human Services 315 or an elementary social science statistics course, Human Services 396 and 396L. Techniques of program design, budgeting and staffing of human service programs; proposal writing and fund development methods; survey of needs assessment procedures. One or more sections offered online.

### **396 Practicum Seminar (2)**

Prerequisites: Human Services 201 or equivalent and Human Services 380 or 310. Corequisite: Human Services 396L. Functions and structure of human services agencies; interrelationships with community services; the role of the human services worker; ethical, legal and professional issues.



### **396L Practicum (1)**

Prerequisites: Human Services 201 or equivalent and Human Services 310 or 380. Corequisite: Human Services 396. Field placement in one or more human service agencies for a minimum of eight hours per week. Credit/No Credit only.

### **400 Ethical and Professional Issues in Human Services (3)**

Prerequisite: Human Services 201 or 380. Ethical, legal and professional issues facing the human services worker. Designed to teach a process of ethical decision-making and to increase awareness of the complexities in practice. (Same as Philosophy 400)

### **410 Crisis Intervention for Para-Professionals (3)**

Prerequisite: Human Services 201 or equivalent. Theories and techniques of short-term intervention and subsequent referral procedures. Topics include suicide, battering, AIDS, rape, death, dying and human-induced disasters in the community.

### **411 Human Services Delivery to Communities (3)**

Prerequisite: Afro/Human Services 311. Provides a framework for identifying the human service needs of varied community groups and focuses on the utilization of this knowledge about those groups in order to develop effective service delivery strategies.

### **412 Gerontology in Human Services (3)**

Prerequisite: Human Services 201 or equivalent. Overview of gerontology and human services practice and policy focusing on historical developments and content of key social, legislative and governmental programs designed for older adults, including the Social Security Act, Older Americans Act and Medicare.

### **415 Treatment Issues in Drug Addiction (3)**

Prerequisite: Human Services 380. Treatment issues and theoretical models involved in the treatment of drug dependencies. Emphasizes specific effects of different drug classifications; understanding drug cultures; women, children and elderly addiction; co-dependency and enabling.

### **416 Group Process and Membership (1)**

Prerequisites: Human Services 300 and 380. Didactic and experiential overview of stages of group development, impact of members on group identity, group member and leader issues. Survey of various counseling groups. May be repeated for credit. Credit/No Credit only.

### **420 Human Services Management (3)**

Prerequisite: advanced standing. Corequisite, Human Services 201. Issues in administration and management of human services in community agencies. Topics include assessing client needs, designing human service delivery systems, program budgeting, marketing strategies, accountability and improving program management.

### **425T Contemporary Issues in the Human Services (3)**

Prerequisite: Human Services 201 or equivalent. Systematic study and theory, research findings and intervention strategies related to contemporary issues faced by paraprofessional human service workers. May be repeated for credit under different topic.

### **430 Child Abuse and the Human Services (3)**

Prerequisite: Human Services 201 or equivalent. Introduction to types and symptoms of abuse, assessment techniques, legal and ethical issues, family dynamics pertaining to children, adolescents and adults abused as children. Special topics include networking and referral, utilizing community resources and prevention. One or more sections offered online.

**434 Physiological Effects of Alcohol and Other Drugs (3)**

Prerequisite: Health Science 321 or equivalent. Pharmacological actions of drugs of abuse and how these relate to the physiological, psychological and behavioral effects of such drugs. Properties of recreational, "street" drugs and of prescription drugs that lead to abuse and/or dependence are covered. Not available for use on a graduate study plan. One or more sections offered online.

**435 Drug Abuse Prevention and Early Intervention (3)**

Prerequisite: Human Services 434 or 415 or Health Science 321. History, theories and models in the drug prevention field. Theoretical foundations and conceptual frameworks that have been used in the field will be presented. Major research and evaluation outcomes on the effectiveness of prevention strategies are examined. Not available for use on a graduate study plan. One or more sections offered online.

**436 Dynamics of Substance Abuse Treatment in Families (3)**

Prerequisite: Health Science 321 or Human Services 415. Explore and apply methods of assisting significant others, organizations and communities to understand, treat and prevent substance abuse and dependence. Students develop practice strategies that will prepare them to deliver services at the micro, meso and macro levels. Not available for use on a graduate study plan.

**437 Co-Occurring Disorders: Assessment, Treatment and Referral (3)**

Prerequisite: Human Services 201. Concepts, definitions and features of co-occurring mental disorders and substance-related disorders in individuals seen in human services settings; includes screening, assessment, case management and service delivery for such individuals. Not applicable to graduate degree requirements.

**450 Theory and Practice of Group Counseling (3)**

Prerequisites: Human Services 300, 380 and consent of instructor. Critical evaluation of 10 contemporary theoretical approaches to group counseling, as well as issues in group work. Emphasizes applying theories and techniques to actual group situations.

**470 Evaluation of Human Services Programs (3)**

Prerequisite: Human Services 385. Making program objectives measurable; determining appropriate methodology and techniques to evaluate effectiveness, efficiency and process variables; practical problems of program evaluation.

**475 Human Services Policy and Practice (3)**

Prerequisite: advanced standing. Pre- or corequisite, Human Services 201. Relationship between policy and practice. Problem of inequities and inequalities in the distribution of resources through social policies and social welfare programs. Particular attention is paid to how policy impacts service delivery to disenfranchised groups.

**480 Case Analysis and Intervention Techniques (3)**

Prerequisites: Human Services 380, 396 and 396L. Psychodynamic principles of evaluation, diagnosis and intervention; techniques of counseling appropriate to diverse populations; application of a psychoanalytic perspective to the diagnostic categories of the DSM-IV.

**490 Practicum in Group Leadership (3)**

Prerequisites: Human Services 300, 380 and consent of instructor. Supervised experience as a group leader. Approaches and techniques of group leadership. May be used as a substitute for 495/495L or 496/496L. Coordinator approval needed for substitution for 495/495L or 496/496L. May be repeated once for credit.

**495 Fieldwork Seminar (2)**

Prerequisites: Human Services 396 and 396L. Corequisite: Human Services 495L. Classroom analysis of agency experience focusing on skills and techniques of human service workers and organizational analysis.

**495L Fieldwork (1)**

Prerequisites: Human Services 396 and 396L. Corequisite: Human Services 495. Supervised fieldwork in one or more human service agencies for a minimum of eight hours per week. Credit/No Credit only.

**496 Internship Seminar (2)**

Prerequisites: Human Services 495 and 495L; or Human Services 490 when taken in lieu of 495 and 495L; and at least two courses in approved specialization. Corequisite: Human Services 496L. Supervised internship in a community service agency in area of specialization. Seminar consists of group supervision and discussion of cases. One or more sections offered online. Credit/No Credit only.

**496L Internship (1)**

Prerequisites: Human Services 495 and 495L; or Human Services 490 when taken in lieu of 495 and 495L. Corequisite: Human Services 496. Requires 120 hours of supervised internship experience in one or more human service agencies in one semester. One or more sections offered online. Credit/No Credit only.

**499 Independent Study (1-3)**

Prerequisites: approval of coordinator, consent of instructor, upper-division status. Individual research project, either library or field, under the direction of a faculty member. May be repeated for credit. Only three units per semester.