

tory and analysis that conductors must face before leading a rehearsal or performance.—Holoman, Thomas

207. Advanced Electronic and Computer Music (4)

Seminar—2 hours; plus individual student/instructor meeting—2 hours. Prerequisite: courses 107A-107B-107C. Advanced composition of computer and electronic music with the Sun 3-based computer-music system and associated facilities.

210A. Proseminar in Music (Theory and Analysis) (4)

Seminar—3 hours; term paper. Voice-leading analysis of tonal music derived from Schenker and pitch-class set theory. Recent work on compositional design, generalizations of the concept of interval, psychologically oriented music theory, and theories of durational structure and timbre.—I. Bauer

210B. Proseminar in Music (Musicology and Criticism) (4)

Seminar—3 hours; term paper. Issues and concepts of music history, including performance practice questions for specific repertoires and periods; principles, aims, and methods of archival study; historical theory; evolution of musical styles; philosophical debates about goals and aims of the discipline in general.—Ill. Levy

210C. Proseminar in Music (Ethnomusicology) (4)

Seminar—3 hours; term paper. Intensive examination of major trends in ethnomusicology as exemplified by scholars working in several non-Western cultures. Ethnomusicological theory, ranging from ethnographic description to metamusicological study (Seeger) to analysis of individual genres to sociological study.—I. Spiller

212. Ethics of Musical Ethnography (4)

Seminar—3 hours; fieldwork. Prerequisite: course 210C. The role, methodology, perception, and assumptions of the ethnomusicologist in ethnographic scholarship. Examination of complex ethical and political questions in relation to practical fieldwork techniques. Offered in alternate years.—Graham

213. Transcription and Notation (4)

Seminar—3 hours; project. Prerequisite: course 210C. Practical instruction in the transcription and analysis of primarily non-Western musics. Analytical and theoretical issues, the politics of representation, and the cultural values and ideologies implicit in notation. Offered in alternate years.—Graham

221. Topics in Music History (4)

Seminar—3 hours. Studies in selected areas of music history and theory. May be repeated for credit.—I, II, III. Levy, Reynolds

222. Techniques of Analysis (4)

Seminar—3 hours. Analysis and analytical techniques as applied to music of all historical style periods. May be repeated for credit.—Ill. Ortiz

223. Ethnomusicology (Pacific Cultures) (4)

Seminar—3 hours; term paper. Court music, religious music, and popular forms of China, Japan, Korea, Melanesia, and Indochina. Issues concerning history, theoretical constructs, performance practice, and cultural settings of the music will be stressed. May be repeated for credit.—Ill. Graham

299. Individual Study (1-12)

(S/U grading only.)

Native American Studies

(College of Letters and Science)

Steven J. Crum, Ph.D., Chairperson of the Department

Department Office. 2401 Hart Hall
(530) 752-3237;
<http://nas.ucdavis.edu>

Faculty

Julia Coates, Ph.D., Assistant Professor
Steven J. Crum, Ph.D., Professor
Inés Hernandez-Avila, Ph.D., Professor
Martha J. Macri, Ph.D., Professor
Zoila Mendoza, Ph.D., Professor
Victor D. Montejo, Ph.D., Professor
Hulleah Tsinhnahjinnie, M.F.A., Assistant Professor
Stefano Varese, Ph.D., Professor

Emeriti Faculty

Jack D. Forbes, Ph.D., Professor Emeritus
George C. Longfish, M.F.A., Professor Emeritus

The Major Program

Native American Studies provides a multi-disciplinary introduction to the indigenous cultures of North, Central, and South America. It challenges students to consider issues of cultural diversity, sovereignty, and indigenous knowledge systems in preparation for living in a world of constantly increasing social and cultural complexity.

The Program. Students electing a major in Native American Studies may complete Plan I, Plan II, or Plan III. Plan I enables students to concentrate chiefly upon the Native experience in North America (north of Mexico). Plan II encourages interested students to focus upon Meso-America with some course work integrating Meso-America with North America and South America. Plan III focuses upon South America with some course work integrating that region with areas to the north.

Career Alternatives. Native American Studies is excellent preparation for a scholarly career or professional career such as teaching, law, human services, health, tribal administration, social work, and inter-ethnic relations. Graduate schools and agencies in these and related areas are looking for students with broad interdisciplinary preparation and who possess knowledge and sensitivity relating to ethnic issues and cultural diversity.

A.B. Major Requirements:

UNITS

Preparatory Subject Matter..... 20

Native American Studies 1, 10..... 8
One or two courses from Native American Studies 32, 33, 46, 554-8
One or two courses from African American and African Studies 12, 52, Anthropology 2, 3, Asian American Studies 1, Chicana/o Studies 10, History 17A4-8

Depth Subject Matter 16

Native American Studies 130A, 157, 180 12
One course from Native American Studies 107, 115, 130B, 130C, 133, 156 4
Note: If a course is counted for either Plans I, II, or III (below), it cannot also be counted as part of the 16 units of Depth Subject Matter.

Areas of Specialization (complete one plan)

Plan I—North American Emphasis 28

Two courses from Native American Studies 107, 115, 116, 117, 118, 122, 130C, 156 8
Two courses from Native American Studies 101, 181A, 181B, 181C 8
Two courses from Anthropology 113, 136, 161A, 161B, 165, 166, 172, 173, 174, 175, 176, African American and African Studies 100, 101, 107, 120, 123, 133, 153, 160, American Studies 120, Asian American Studies 100, 101, 110, 111, 112, Chicana/o Studies 100, 110, 111, 154, 156, Sociology 128, Women's Studies 102 8
One other upper division Native American Studies course, selected in consultation with adviser 4

Plan II—Mexico-Central America

Emphasis 28

Native American Studies 107, 133 8
Three courses from History 161A, 166A, 166B, Anthropology 134, 145, 146, 174, 175, Chicana/o Studies 130, Native American Studies 122 12
Two courses from Spanish 155, 172, Art History 151, Native American Studies 101, 156, 181A, 181B, 181C, or, if student's work is specifically focused upon a Meso-American language or topic, from Native American Studies 188, 191 8

Plan III—South American Emphasis 28

Native American Studies 107, 120 8
Two courses from History 161A, 161B, 162, 163A, 163B, 165 8
Three courses from Anthropology 134, 144, 174, 175, Native American Studies 101, 122, 156, 181A, 181B, 181C, or, if student's work is specifically focused upon a South American language or topic, from Native American Studies 188, 191 12

Total Units for the Major 64

Major Adviser. S. Crum

Minor Program Requirements:

The Native American Studies minor provides an introduction to the Native experience in the Americas by means of exposure to course work dealing with some of the major aspects of Indian life, including history, values, politics, literature, and art.

UNITS

Native American Studies 24

Native American Studies 1 or 10 4
Five upper division courses, at least one of which is chosen from each of the following groups 20
Ethno-History: Native American Studies 130A, 130B, 130C, or 133
Philosophy and values: Native American Studies 156, 157, or 180
Politics and current affairs: Native American Studies 115, 116, 117, 118, 120, 122
Art and literature: Native American Studies 101, 181A, 181B, or 181C
One other upper division course selected in consultation with adviser.

Study Off Campus. Majors have the option of spending one to three quarters elsewhere in the Americas or on or near a reservation as part of the fulfillment of the Area of Specialization. Each student's plan must be approved by the student's adviser and by the chairperson and may fulfill from 12 to 20 of the 28 units required for the emphasis. The courses or field internship taken elsewhere must be focused upon indigenous peoples or indigenous languages and the institution of study shall be located in an area with substantial indigenous population. Students must have upper division standing and, for Plan I, course 107 or the equivalent should have been completed; for Plan II, courses 107 and 133 should have been completed; and for Plan III, courses 107 and 120 should have been completed prior to departure. Several options may be used for receiving academic credit, including course 195. The department strongly encourages students to participate in the UC Education Abroad Program, Short-Term Programs Abroad.

Graduate Study. The Department offers a program of study leading to the M.A. and Ph.D. degrees in Native American Studies, as well as a designated emphasis in Native American Studies for graduate students in approved programs. Further information regarding graduate study may be obtained at the Department office and at Graduate Studies.

Graduate Advisers. I. Hernandez-Avila, E. Valandra

Courses in Native American Studies (NAS)

Lower Division Courses

1. Introduction to Native American Studies (4)

Lecture—3 hours; discussion—1 hour. Introduction to Native American Studies with emphasis upon basic concepts relating to Native American historical and political development. GE credit: SocSci, Div.—I, II, III. (I, II, III.) Crum, Coates, Montejo, Valandra

5. Introduction to Native American Literature (4)

Lecture/discussion—4 hours. Prerequisite: completion of Subject A requirement. Study of selected Native American texts. Intensive focus on analysis of these texts, with frequent writing assignments to develop critical thinking and composition skills. GE credit: ArtHum, Div, Wrt (cannot be used to satisfy a college or university composition requirement and GE writing experience simultaneously).—I, II, III. (I, II, III.)

10. Native American Experience (4)

Lecture—3 hours; discussion—1 hour. Introduction to the diverse cultures of Native American peoples from North, Central, and South America. Emphasis on Native American voices in the expression of cultural views and in the experience of conflicting values. GE credit: ArtHum or SocSci, Div, Wrt.—I, II, III. (I, II, III.) Hernández-Avila, Mendoza, Macri, Tsinhnhajinnie, Varese

32. Native American Music and Dance (4)

Lecture/discussion—4 hours. Introduction to the music and dance of the native peoples of the Americas. Students will study secular native music and dance from a cross-section of regions and tribes. GE credit: Div.—(I.) Mendoza

33. Native American Art in the U.S. (4)

Lecture—4 hours. Comprehensive survey of Indian art forms with emphasis upon design, media, and function. Intent is to familiarize the student with a wide range of styles and techniques. GE credit: ArtHum, Div.

34. Native American Art Workshop (4)

Lecture—1 hour; laboratory—6 hours; 3 hours to be arranged. Prerequisite: consent of instructor; course 33 recommended. Studio projects in Native American art, design, and crafts. (P/NP grading only).—I. Tsinhnhajinnie

46. Orientation to Research in Native American Studies (4)

Lecture/discussion—3 hours; term paper. Prerequisite: Native American Studies major or minor, or consent of instructor. Introduces students to basic research resources pertinent to Native American subjects available in the region, including libraries, archives, museums, etc. Emphasis is upon learning to use documentary resources or other collections of data. Students will carry out individual projects. Limited enrollment. GE credit: SocSci, Div, Wrt.

55. Americanisms: Native American Contributions to World Civilization (4)

Lecture/discussion—4 hours. Prerequisite: course 1 or 10 recommended. American indigenous people's contributions to the contemporary world, with attention to forced participation of Indian societies in the development of Western dominance and resulting appropriation of cultural creations. Responses and initiatives of indigenous peoples will be analyzed. GE credit: SocSci, Div, Wrt.

98. Directed Group Study (1-5)

Prerequisite: consent of instructor. (P/NP grading only.)

99. Special Study for Undergraduates (1-5)

Prerequisite: consent of instructor. (P/NP grading only.)

Upper Division Courses

101. Contemporary Indian Art (4)

Lecture—4 hours. Prerequisite: course 33. Historical review of contemporary Indian art from 1900 to the present by looking at the two art centers of Okla-

homa and Santa Fe. Social pressures that have influenced the imagery that exists today will be examined. GE credit: ArtHum, Div.—III. Tsinhnhajinnie

107. Special Topics in Native American Languages (4)

Lecture/discussion—4 hours. Prerequisite: consent of instructor. Investigation of various subjects in contemporary and historical Native American language studies. May be repeated for credit when a different topic is studied. GE credit: Div.—II. (I.) Macri, Mendoza

108. Indigenous Languages of California (4)

Lecture/discussion—4 hours. Survey of the indigenous languages of the California region: linguistic prehistory, languages at first European contact, subsequent language loss, current efforts at language and cultural revitalization, indigenous languages of recent immigrants to California. GE credit: Div, Wrt.—II. (III.) Macri

115. Native Americans in the Contemporary World (4)

Lecture/discussion—4 hours. Prerequisite: course 1, 10, or 55. The sociocultural development of American Indian populations in modern times with emphasis upon North America. Attention will be given to contemporary Indian affairs and problems as well as to the background for present day conditions. Not open for credit to students who have completed Anthropology 141B. [Former course Anthropology 141B.] GE credit: SocSci, Div, Wrt.—I. (II.) Montejo

116. Native American Traditional Governments (4)

Lecture—4 hours. Prerequisite: course 1; Anthropology 2. Study of selected Native American Tribal Governments, confederations, leagues, and alliance systems. Offered in alternate years. GE credit: SocSci, Div.

117. Native American Governmental Decision Making (4)

Lecture—4 hours. Prerequisite: course 116, Political Science 2; Anthropology 123 recommended. Native American governmental and community decision making with emphasis on federal and state programs, tribal sovereignty, current political trends and funding for tribal services. Offered in alternate years. GE credit: SocSci, Div.—II. Valandra

118. Native American Politics (4)

Lecture—4 hours. Prerequisite: course 117. Examination of the various interest groups and movements found among Native people and how they relate to the determination of Indian affairs. Study of political action available to Native groups, and local communities, along with relevant theory relating to underdevelopment. Offered in alternate years. GE credit: SocSci, Div.—III. Valandra

120. Ethnopolitics of South American Indians (4)

Lecture/discussion—4 hours. Prerequisite: course 1, 10 or 55. Social, political, cultural movements of indigenous South Americans in response to establishment, expansion of European colonialism, post-colonial nation-states. Ethnopolitical processes developed through interactions between Indians, Euroamericans. Socioethnographic analysis of main indigenous areas and the development of national societies. GE credit: SocSci, Div, Wrt.—(I.) Varese

122. Native American Community Development (4)

Lecture—4 hours. Prerequisite: course 1, Community and Regional Development 151. Application of community development theory and techniques to the development problems of Native American communities. Offered in alternate years. (Former course 161.) GE credit: SocSci, Div, Wrt.—II. Varese

125. Performance and Culture Among Native Americans (4)

Lecture—3 hours; listening—3 hours. Prerequisite: upper division standing in division of humanities or social sciences or consent of instructor. Interdisciplinary study of public expressive forms among Native Americans. Comparative analysis of music, dance,

rituals, and dramas from throughout the Americas in their social and cultural contexts. Offered in alternate years. Not open for credit to students who have completed Music 125.—(III.) Mendoza

130A. Native American Ethno-Historical Development (4)

Lecture—4 hours. Prerequisite: course 1 or 10; History 17A recommended. Study of Native American ethno-history in North America before 1770s. GE credit: SocSci, Div, Wrt.—I. (I.) Crum

130B. Native American Ethno-Historical Development (4)

Lecture—4 hours. Prerequisite: course 1; History 17A-17B recommended. Study of Native American ethno-history in North America, 1770-1890. GE credit: SocSci, Div, Wrt.—II. (II.) Crum

130C. Native American Ethno-Historical Development (4)

Lecture—4 hours. Prerequisite: course 1; History 17A-17B recommended. Study of Native American ethno-history in North America after 1890. GE credit: SocSci, Div, Wrt.—III. Crum

133. Ethnohistory of Native People of Mexico and Central America (4)

Lecture/discussion—4 hours. Prerequisite: course 1, 10 or 55. Ethnohistorical development of pre-colonial, colonial, post-colonial Mexican and Central American indigenous people; the impact of economic and political factors on the process of cultural adaptation. Attention is given to the questions of nation-building, forced assimilation, indigenous resistance, organized political responses. GE credit: SocSci, Div.—III. (III.) Varese

134. Race and Sex: Race Mixture and Mixed Peoples (4)

Lecture—4 hours. Prerequisite: one course chosen from Anthropology 1 or 2, Native American Studies 10, Chicana/o Studies 110, African American and African Studies 100 or Asian American Studies 110. The phenomena of racial, ethnic and interreligious intermixture and marriage, and of multi-ethnic peoples. Emphases on the Americas and upon the sociocultural effects of intermixture and on the lives of bicultural and multi-ethnic persons. (Same course as Anthropology 134.) GE credit: SocSci, Div, Wrt.—II. Coates

156. Native American Ethics and Value Systems (4)

Lecture—4 hours. Prerequisite: upper division standing; course 1. Analysis of Native American systems of values and how these values translate into actual behavior; attention to the problem of implementing traditional values in the twentieth century and the possible impact of native values in modern societies. Offered in alternate years. GE credit: ArtHum, Div, Wrt.

157. Native American Religion and Philosophy (4)

Lecture—4 hours. Prerequisite: upper division standing; course 1 or Anthropology 2. Religious and philosophical thinking of Native American people with emphasis upon North America. Offered in alternate years. GE credit: Div.—(II.) Hernández-Avila

180. Native American Women (4)

Lecture/discussion—4 hours. Prerequisite: course 1 or 10 or Women's Studies 50. Social and cultural foundations of the Native American women's personality, including the development of the Indian girl and the life phases of mature womanhood. Autobiographical and biographical texts are utilized. GE credit: SocSci, Div, Wrt.—II. (II.) Coates

181A-181B-181C. Native American Literature (4-4-4)

Lecture—4 hours. Prerequisite: English 3, Comparative Literature 1, 2, 3, or any course from the General Education Literature Preparation List. Analysis of works by or about Native Americans including novels and autobiographies, analysis of Native American poetry, oral literature, songs, and tales. (A), the novel and fiction; (B), nonfiction works by native authors; (C), traditional literature and poetry. Offered in alternate years. GE credit: ArtHum, Div, Wrt.—I, II. (I-II-III.) Hernández-Avila, Montejo

184. Contemporary Indigenous Literature of Mexico (4)

Lecture—4 hours. Prerequisite: course 1 or 10; course 181A or 181C recommended. Reading knowledge of Spanish required. Contemporary indigenous literature of Mexico, with a focus on the genres (poetry, fiction, drama, essay); analysis of cultural, historical, and spiritual themes, imagery, styles and performances; biographies of and influences on the Native writers themselves. Offered in alternate years.—(III.) Hernández-Ávila

188. Special Topics in Native American Literary Studies (4)

Lecture/discussion—3 hours; term paper. Prerequisite: upper division standing and consent of instructor. Special topics drawn from Native American literature. May be repeated for credit when a different topic is studied. GE credit: Div, Wrt.—(III.) (II.) Hernández-Ávila, Montejó

190. Seminar in Native American Studies (2)

Discussion—2 hours. Prerequisite: senior standing. Seminar of critical issues faced by Native American people. (P/NP grading only.)

191. Topics in Native American Studies (4)

Lecture/discussion—3 hours; term paper. Prerequisite: upper division standing and consent of instructor. Selected topics in Native American ethno-history, development, culture, and thought. May be repeated for credit when a different topic is studied. GE credit: ArtHum, Div.—(III.) (I.)

192. Internship (1-12)

Internship. Prerequisite: consent of instructor; upper division standing; dependent on availability of intern position in Native American Studies or the CN Gorman Museum; priority to Native American Studies minors/major. Supervised internship in the CN Gorman Museum, community, and institutional settings related to Native American concerns. May be repeated three times for a maximum of 12 units including 192 and other internships taken in other departments and institutions. (P/NP grading only.)—I, II, III, IV. (I, II, III, IV.) Tsinhnahjinnie

194HA-194HB. Special Studies for Honors Students (4-4)

Independent study—12 hours. Prerequisite: senior qualifying for honors. Directed reading, research and writing culminating in the completion of a senior honors thesis or project under direction of faculty adviser. (Deferred grading only, pending completion of sequence.)

195. Field Experience in Native American Studies (12)

Field work—36 hours. Prerequisite: senior standing and major in Native American Studies, completion of lower division major requirements, and course 161. Field work with governmental and community groups, under supervision of faculty adviser and sponsor. Knowledge acquired in other courses to be applied in field work. (P/NP grading only.)—I, II, III. (I, II, III.)

196. Senior Project in Native American Studies (4)

Discussion—1 hour; independent study—3 hours. Prerequisite: senior standing and major in Native American Studies, course 195 (may be taken concurrently), and consent of instructor. Guided research project that enables student to apply the theory and research principles from major course work. Final product is to be a major senior project or thesis. (P/NP grading only.)—I, II, III. (I, II, III.)

197C. Community Tutoring in Native American Studies (1-5)

Tutorial—3-15 hours. Prerequisite: consent of major committee; upper division standing with major in Native American Studies. Supervise tutoring in community. (P/NP grading only.)

198. Directed Group Study (1-5)

Prerequisite: upper division standing; consent of instructor. (P/NP grading only.)

199. Special Study for Advanced Undergraduates (1-5)

Prerequisite: consent of instructor. (P/NP grading only.)

Graduate Courses**200. Basic Concepts in Native American Studies (4)**

Seminar—4 hours. Prerequisite: graduate standing and consent of instructor. Analysis of the characteristics of the discipline of Native American Studies. Concentration is on both traditional and contemporary native scholarship and thought as well as the theoretical and methodological consequences derived from application of these ideas. Offered in alternate years.—(I.) Montejó

202. Advanced Topics in Native American Studies (4)

Seminar—4 hours. Prerequisite: graduate standing. Advanced study of selected topics or themes relevant to the field of Native American studies. Topics will be announced at the time of offering. May be repeated for credit when topic differs.—II, III. (I, II, III.)

212. Community Development for Sovereignty and Autonomy (4)

Seminar—4 hours. Prerequisite: graduate standing and consent of instructor. Examines a sample of contemporary indigenous communities from south, central and north America with the goal of understanding and evaluating the strategies adopted by Native American communities to develop and implement forms of sovereignty or autonomous self-management. Offered in alternate years.—III. Varese

213. Public Law 83-280: Colonial Termination (4)

Seminar—4 hours. Prerequisite: graduate standing, including school of law students. Examination of the signature law of the Termination Era, Public Law 83-280. Discussions to include termination, societal conformity, political consent, jurisdiction, self-determination & decolonization, and colonial relationship between Native Peoples and the United States.—(III.) Valandra

217. Public Law 83-280: Colonial Termination (4)

Seminar—4 hours. Prerequisite: graduate standing, including school of law students. Examination of the signature law of the Termination Era, Public Law 83-280. Discussions to include termination, societal conformity, political consent, jurisdiction, self-determination & decolonization, and colonial relationship between Native Peoples and the United States.—I, II, III. (I, II, III.) Valandra

220. Colonialism/Racism and Self-Determination (4)

Seminar—3 hours; term paper. Prerequisite: graduate standing. Study of imperial/colonial systems and their psychosocial impacts upon oppressors and oppressed, of racism as the outgrowth of colonialism, and of nationalism, ethnic conflict and self-determination. Focus on indigenous peoples, but other groups will also be considered. Offered in alternate years.—(II.) Varese

224. Performance in the Americas (4)

Seminar—3 hours; term paper. Prerequisite: graduate standing. Ethnomusicological and anthropological approaches to study of public performance in the Americas. New ways of looking at music, dance, rituals and other forms of public expressive forms normally called "folklore" or "popular culture." Offered in alternate years. Not open for credit to students who have completed Music 224. (Former course Music 224.)—(II.) Mendoza

250. Indigenous Critique of Classic Maya Ethnographies (4)

Seminar—4 hours. Prerequisite: graduate standing or consent of instructor. Construction of the Maya world through ethnographic writing during the present century. Deconstruction of ethnographies about

the Mayans considering the modern theories and social/anthropological critiques of modern ethnographies. Offered in alternate years.—(II.) Montejó

280. Ethnohistorical Theory and Method (4)

Seminar—3 hours; term paper. Discussion of the ethnohistorical method; the utilization of diverse types of data, especially documentary sources, to reconstruct socio-cultural history. Particular attention to the applied area of ethnohistory in the solution of contemporary social problems. Offered in alternate years.—I. Crum

298. Group Study for Graduate Students (1-5)

Prerequisite: graduate standing, consent of instructor. (S/U grading only.)

299. Special Study for Graduate Students (1-12)

Prerequisite: graduate standing, consent of instructor. (S/U grading only.)

Professional Course**396. Teaching Assistant Training Practicum (1-4)**

Prerequisite: graduate standing. May be repeated for credit. (S/U grading only.)—I, II, III. (I, II, III.)

Natural Sciences

(College of Letters and Science)

Advising Center. 1023 Sciences Laboratory Building

(530) 754-9621;

<http://naturalsciences.ucdavis.edu/>

Committee in Charge

Howard W. Day, Ph.D., Chairperson (*Geology*)

Patricia Boeschaar, Ph.D., (*Physics*)

Jack M. Goldberg, Ph.D.,

(*Neurobiology, Physiology, and Behavior*)

David A. Osleger, Ph.D. (*Geology*)

J. Richard Pomeroy, Ph.D. (*Education*)

Wendell H. Potter, Ph.D. (*Physics*)

Dino S. Tinti, Ph.D., (*Chemistry*)

The Major Program

Natural Sciences is an interdisciplinary major that provides significant breadth in biology, chemistry, earth sciences, physics and mathematics while offering additional depth in two of the natural sciences. It is especially designed to meet the needs of prospective science teachers, but will also serve students who wish to acquire training in more than one science. The major is sponsored by the Department of Geology.

The Program. The Natural Sciences curriculum offers an unusually broad training in science and mathematics. All students must complete a one year sequence in calculus, a course in statistics and one year sequences in chemistry, earth science, life science and physics. Each student will complete depth courses in two of these sciences. Prospective teachers may use these depth courses as preparation for primary and supplementary teaching credentials in science. Students who might wish to prepare for a teaching credential program should consult an advisor at their first opportunity in order to combine the prerequisites with General Education requirements.

Career Alternatives. Students whose goals include business, journalism, law, or medicine may acquire a broad background in science through this curriculum. The study of natural sciences also prepares a student to meet the subject matter requirements for primary and supplementary science teaching credentials in California. Students who might wish to become a teacher should consult an advisor in the Mathematics and Science Teaching Program (MAST, <http://mast.ucdavis.edu>) at their first opportunity. MAST advisors can help students combine the prerequisites for a credential program with General Education requirements. The program also offers seminars that give participants experi-

Quarter Offered: I=Fall, II=Winter, III=Spring, IV=Summer; 2009-2010 offering in parentheses

General Education (GE) credit: ArtHum=Arts and Humanities; SciEng=Science and Engineering; SocSci=Social Sciences; Div=Social-Cultural Diversity; Wrt=Writing Experience