Nutrition Science

Graduate

210A. Advanced Nutrition I: Nutrition and Metabolism of Macronutrients (5)
Lecture—4 hours; discussion—1 hour. Prerequisite: admission to the Nutrition Graduate Program or consent of instructor. Class size limited to 30 students. Effects of nutrients at the cellular level. Principles of cell signaling and signaling modulation by nutrients. Advanced concepts of mineral and vitamin metabolism and their deficiencies and associated pathologies. W. (J. H. H.)

210B. Advanced Nutrition II: Nutrition and Cell Biology, Micronutrients (5)
Lecture—4 hours; discussion—1 hour. Prerequisite: admission to the Nutrition Graduate Program or consent of instructor. Class size limited to 30 students. Integrated nutrition with biological systems, population nutrition issues, and research approaches. Advanced concepts on lipid and protein metabolism. F. (J. F. S.)

210C. Advanced Nutrition III: Nutrition in Health and Disease (5)
Lecture—4 hours; discussion—1 hour. Prerequisite: admission to the Nutrition Graduate Program or consent of instructor. Class size limited to 30 students. Effects of nutrients at the cellular level. Principles of cell signaling and signaling modulation by nutrients. Advanced concepts of mineral and vitamin metabolism and their deficiencies and associated pathologies. W. (J. H. H.)

290C. Research Group Conference (1-5)
Course must be taken for credit. S/U grading only. F. W. S. (F. W. S.)

298. Directed Study (1-5)
Prerequisite: graduate standing. Weekly conference on research progress, problems, and techniques in animal sciences. May be repeated for credit. S/U grading only. F. W. S. (F. W. S.)

299. Research (1-12)
Prerequisite: consent of instructor. May be repeated for credit. S/U grading only. F. W. S. (F. W. S.)

Nutrition Science

[College of Agricultural and Environmental Sciences]

Faculty
See the Department of Nutrition, page 490.

The Major Program
The study of nutrition encompasses all aspects of the consumption and utilization of food and its constituents. Knowledge of a major study include: the biochemical reactions important to the utilization of nutrients and food constituents; the impact of diet on health and disease; and, nutrition-related policy and public health issues. The nutrition science major includes two options for studying these areas: nutritional biology and nutrition in public health.

The Program, Nutrition as it is taught on the Davis campus is a biological science and requires a complete background in chemistry and biology, along with calculus and physics (nutritional biology option) or economics (nutrition in public health option). These courses are generally completed during the first two years, and studying with biochemistry, must be completed before most nutrition classes can be taken. During their junior and senior years, students in the nutritional biology option take additional course work in biochemistry, physiology, and toxicology. Students in the nutrition in public health option take additional course work in social and health-related sciences.

Career Alternatives. Both options are excellent preparation for professional or graduate training in medicine, public health, or other health sciences.

Preparatory Subject Matter: Computer Science 1A-1B or 1C-1D, or 2A-2B; 2A-2B; 2A-2B; 2A-2B

B.S. Major Requirements:

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<tr>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Advanced Nutrition I: Nutrition and Metabolism of Macronutrients</td>
<td>5</td>
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<tr>
<td>Advanced Nutrition II: Nutrition and Cell Biology, Micronutrients</td>
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<td>Research Group Conference</td>
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<td>Directed Study</td>
<td>1-5</td>
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<tr>
<td>Research</td>
<td>1-12</td>
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Total Units for the Degree: 140-148

Major Adviser, Nilesh Gaikwad

Advising Center for the major is located in 3202 Meyer Hall 330/752/2312.

Dietetics Internship. To fulfill the academic requirements for an internship in Dietetics, students are strongly advised to declare the Clinical Nutrition major. Within the Nutrition in Public Health option, students should also take: English 3 or University Writing Program 1 and Communication 1. The following courses must also be added [some of which may meet restricted elective requirements]: Agricultural and Resource Economics 112; Nutrition 116B, 116AL, Food Service Management 120, 120B, 122. Students intending to apply for admission to a dietetic internship should contact the Advising Center no later than the first quarter of the junior year for information on procedures.

Graduate Study. The Department of Nutrition offers programs of study and research leading to the M.S. and Ph.D. degrees in Nutrition. For information on graduate study contact the graduate adviser. See Graduate Studies, on page 120.

Oceanography

[College of Letters and Sciences]

Oceanography is the study of the earth’s oceans, investigating connections between geological, biological, chemical and physical processes in the marine realm, and the interactions between the Earth’s ocean/atmosphere system. The interdisciplinary minor in oceanography is for students with backgrounds in any of these fields, as well as those interested in marine policy and conservation. The curriculum reflects the integrative nature of oceanography, with core courses covering the major disciplines in oceanography and elective courses that allow students to cater the minor to their interests. The oceanography minor includes courses taught at the Davis campus and offers courses offered at Bodega Marine Laboratory.

The minor is sponsored by the Department of Earth and Planetary Sciences in 2119 Earth and Physical Sciences Building.

Minor Program Requirements:

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Oceanography</td>
<td>22-24</td>
</tr>
</tbody>
</table>

Geology 150A/Environmental Science and Policy 150A | 4 |

Fall 2011 and on Revised General Education (GE) Categories: A1H—Arts and Humanities; S—Science and Engineering; SS—Social Sciences; AQ—Arts and Humanities; DL—Domestic Diversity; OL—On-Line Skills; OL—Quantitative; LS—Scientific; VL—Visual; WC—World Cultures; WE—Writing Experience

Pre-Fall 2011 General Education (GE): ArtHum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; Div—Domestic Diversity; Writ—Writing Experience

Quarter Offered: F=Fall, W=Winter, S=Spring, Su=Summer; 2017/2018 offering in parentheses
Pathology, Microbiology, and Immunology

See Veterinary Medicine, School of, on page 581.

Pediatrics

See Medicine, School of, on page 427.

Performance Studies (A Graduate Group)

Joe Dumit, Director
Marian Bilheimer, Graduate Coordinator

Arts Group Graduate Office, 2168 Art Building; 530-754-6973; mbilheimer@ucdavis.edu
http://performingarts.ucdavis.edu/

Faculty, Executive: Maxine Craig (Women and Gender Studies), Joseph Dumit (Science and Technology Studies, Anthropology), Peter Lichtensiel (Theatre and Dance), Halifu Osumare (African American and African Studies)

There are over 45 affiliated faculty in departments throughout HArCS and other faculty, all of whom offer courses relevant to the discipline.

Graduate Study. The Ph.D. in Performance Studies is a four-year program. In the first two years of study, students develop an understanding of performance by drawing from a range of regular course offerings in the field to identify, explore, and define a field or fields of research. Students are required to complete four core courses out of five in performance studies, and one colloquium course. Each individual program is then built from seminar and/or practice as research courses, as well as independent or group studies, developing one or more of the four strands of the program: Comparative Medias, Embodiments, Cultures/Ecologies, and History/Text. A wide range of affiliated faculty offer courses throughout the HArCS faculty, and Designated Emphases are available in Studies in Performance and Practice, African American and African Studies, Critical Theory, Feminist Theory and Research, Native American Studies, and Writing. Rhetoric and Composition Studies. Students are required to complete a minimum of 60 units before taking the qualifying examination. No more than 12 units may be taken below the graduate level unless specifically approved by the Ph.D. graduate program adviser.

Main Program Adviser, Lynette Hunter (Theatre and Dance)

Graduate Advisers. Emily Albu (Spanish & Classics), Susan Avila (Design), Seela Chaganti (English), Maxine Craig (Women and Gender Studies), Halifu Osumare (African American and African Studies), Kris Ravevet (Cinema and Technocultural Studies), Henry Spiller (Music), Archana Vennakatesan (Comparative Literature, Religious Studies), Hegrar Watenaqua (Art, Art History)

Courses in Performance Studies (PFS)

Graduate

200 Methods and Materials in Theatre Research (4)
Seminar—3 hours; term paper. Essential research tools in theatre and related fields; bibliographies, primary sources; methods of evaluating and presenting evidence, delineating research areas in the field.—F. (F.)

259. Topics in Contemporary Theatre and Performance (4)
Seminar—3 hours; term paper. Special topics designed to study in depth aspects of contemporary performance including performance analysis, cultural and historical context, modes of production, theoretical and political entitlements, and issues of spectatorship; e.g., “Brecht and After,” “British Theater,” “Race and Gender in Performance.” May be repeated five times for credit.—F, W, S. (F, W, S.)

265A. Performance Studies: Modes of Production (4)
Seminar—3 hours; term paper. Introduction to the literature of performance production in a variety of media: theatre, dance, film, video, computer-based, looking at cultural, aesthetic, rhetorical and political theory. May be repeated three times for credit when topic differs. Offered in alternate years.

265B. Performance Studies: Signification and the Body (4)
Seminar—3 hours; term paper. Introduction to analysis of the body in performance, drawing on theoretical models from several fields. May be repeated three times for credit when topic differs. Offered in alternate years.

265C. Performance Studies: Performance and Society (4)
Seminar—3 hours; term paper. Introduction to the role of performance (broadly defined), in everyday life, sociopolitical negotiation, identity, social movements, the media, and the state. May be repeated three times for credit when topic differs. Offered in alternate years.

265D. Performance Studies: Theory, History, Criticism (4)
Seminar—3 hours; term paper. Introduction to the theory, history and criticism, informing performance studies. May be repeated three times for credit when topic differs. Offered in alternate years.

270A. Individually Guided Research in Performance Studies (4)
Discussion—1 hour; independent study; extensive writing. Prerequisite: course 200; one from course 265A, B, C, or D; consent of instructor. Restricted to students in the Graduate Group PhD in Performance Studies. Individually guided research, under the supervision of a faculty member, on a Performance Studies topic related to the student’s proposed dissertation project to produce a dissertation prospectus.

270B. Individually Guided Research in Performance Studies (4)
Discussion—1 hour; independent study; extensive writing. Prerequisite: course 200; one of courses 265A, B, C, or D; consent of instructor. Restricted to students in the Graduate Group PhD in Performance Studies. Individually guided research, under the supervision of a faculty member, on a Performance Studies topic related to the student’s proposed dissertation project to produce a dissertation prospectus.

270C. Individually Guided Research in Performance Studies (4)
Discussion/laboratory—2 hours; fieldwork; term paper. Prerequisite: course 200; one of courses 265A, B, C, or D; consent of instructor. Restricted to students in the Graduate Group PhD in Performance Studies. Individually guided research, under the supervision of a faculty member, on a Performance Studies topic related to the student’s proposed dissertation project to produce a dissertation prospectus.

290. Colloquia in Performance Studies (4)
Lecture/discussion—2 hours; discussion/laboratory—1 hour; term paper. Prerequisite: registration in Performance Studies Graduate Group and prior to Qualifying Examination. Designed to provide cohort identity and faculty exchange. Opportunity to present papers, hear guest lectures, and see faculty presentations, gather for organizational and administrative new, exchange of information and make announcements. Course must be taken every year that a Performance Studies graduate is registered, prior to taking the Qualifying Examination. May be repeated four times for credit. Limited to four units per year. [S/U grading only.]-5. (S.)