est, human and animal research protections. Not open for credit to students who have completed course 492B—Steinberg

290. Beginning Nutrition Seminar (2)
Lecture/discussion—1 hour; seminar—1 hour. Pre-
requisite: first year graduate standing. Discussion and
critical evaluation of topics in nutrition with
emphasis on literature review and evaluation in this
field. Students give oral presentations on relevant
topics.—F (F)

290C. Research Conference (1)
Discussion—1 hour. Prerequisite: graduate standing
and consent of instructor. Major professors lead
research discussions with their graduate students.
Research papers are reviewed and project propos-
als presented and evaluated. Format will combine
seminar and discussion style. (S/U grading only)—F (F)

291. Advanced Nutrition Seminar (1)
Seminar—1 hour. Prerequisite: second-year gradu-
ate standing. Advanced topics in nutrition research.
Multiple sections may be taken concurrently for
credit. May be repeated for credit. (S/U grading
only)—F, W, S (F, W, S)

293A. Current Topics in Obesity, Food
Intake and Energy Balance (3)
Lecture—1 hour; seminar—1 hour; discussion—1
hour. Prerequisite: graduate standing or course 129.
Undergraduates with upper division standing with at
least one writing course may enroll with consent of
instructor. Current research and research. Princi-
als of experimental design and scientific back-
ground for given article. Articles summarized for
posting on Internet for use by healthcare profes-
sionals. May be repeated for credit with consent of
instructor.

293B. Current Topics in Obesity, Food
Intake, and Energy Balance with Special
Topics (3)
Lecture—1 hour; seminar—1 hour; discussion—1
hour. Prerequisite: graduate standing or course 129.
Undergraduates with upper division standing with at
least one writing course may enroll with consent of
instructor. A continuation of course 293A, with ad-
tional special topics. May be repeated for credit up
to 3 times with consent of instructor.

294A. Current Topics in Developmental
Nutrition (2)
Seminar—2 hours. Prerequisite: course 114 or 252 or
consent of instructor. Restricted to graduate stand-
ing or consent of instructor. Effects of nutrition on
embryology, morphogenesis, and developmental
mechanisms. May be repeated for credit when topic
differs.—F (F)

297T. Supervised Teaching in Nutrition (1-3)
Teaching under faculty supervision—3-9 hours. Pre-
requisite: graduate standing in nutrition or consent of
instructor. Practice teaching in nutrition at the univer-
sity level; curriculum design and evaluation;
preparation and presentation of material. Assist-
ance in laboratories, discussion sections, and eval-
uation of student work. (S/U grading only)—F, W, S (F, W, S)

298. Group Study (1-5)
F, W, S (F, W, S)

299. Research (1-12)
(S/U grading only)—F, W, S (F, W, S)

Professional

492A. Professionalism: An Academic
Perspective (2)
Lecture/discussion—2 hours. Prerequisite: graduate
standing. For graduate students in their initial quar-
ter of residence. Professionalism topics are pre-
sented and examples drawn from both the biological
and social sciences.

492B. Graduate Writing (3)
Lecture—1.5 hours; discussion—1.5 hours. Prerequi-
tive: graduate standing in Nutrition or consent of
instructor. Preparation of grants for governmental
agencies (particularly NIH and USDA) and other
foundations. Students will write a research grant or
fellowship application. May be repeated one time
for credit with consent of instructor. Offered in alter-
Nautical Biology (A Graduate Group)

Carollyn Slupsky, Ph.D., Chairperson of the Group
Graduate Office, 1249 Meyer Hall
530-754-7684; http://ggnb.ucdavis.edu

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Roger McDonald, WE, Writing Emiritus

Verne E. Mendel (Neurobiology/Nutrition)

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(Nutrion)

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Donal A. Walsh, Ph.D., Professor Emeritus

Bruce M. Wolfe, M.D., Professor Emeritus

Judith S. Stern, Sc.D., R.D., Distinguished Professor

(Nutrition, Internal Medicine)

Graduate Study. The Graduate Group in Nutri-
tional Biology offers programs of study and research
leading to the M.S. and Ph.D. degrees. The great
diversity of research interests represented by the fac-
ulty members allows students to choose from a wide
variety of themes: nutritional biochemistry, animal
nutrition, nutrition and development, nutrient bio-
availability, human/clinical nutrition, nutrition and
behavior, nutritional energetics, community nutrition,
community health, maternal and child nutrition, nutri-
tion and endocrinology, international nutrition, obe-

Nutritional Biology (A Graduate Group)
The study of nutrition encompasses all aspects of the consumption and utilization of food and its constituents. Key areas of 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 courses in the biochemical, physiological, and genetic aspects of nutrition in the context of clinical and epidemiological observations related to health and disease, including obesity and diabetes, cancer, vascular and neurodegenerative diseases, osteoporosis, and birth defects. Review and consideration of governmental, economic, or environmental consequences is an integral part of the curriculum. 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.

Obstetrics and Gynecology

See Medicine, School of, on page 427.

Oceanography

[College of Letters and Science]

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 select the minor to their interests. The oceanography minor includes courses taught at the Davis campus and 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:

UNITS

Geology 150A/Environmental Science and Policy 150A

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