NUTRITIONAL BIOLOGY
(Graduate Group)

Graduate Studies

Jon Ramsey, Ph.D., Chairperson of the Group

Graduate Group Office

1249 Meyer Hall; 530-754-7684; Nutritional Biology Graduate
Group (http://nutritionalbiology.ucdavis.edu/); Faculty (http://
ggnb.ucdavis.edu/people/faculty/)

- Nutritional Biology, Master of Science (https://catalog.ucdavis.edu/
departments-programs-degrees/nutritional-biology-graduate-group/
nutritional-biology-ms/)
- Nutritional Biology, Doctor of Philosophy (https://
catalog.ucdavis.edu/departments-programs-degrees/nutritional-
biology-graduate-group/nutritional-biology-phd/)

Nutritional Biology (Graduate Group)
(NUB)

NUB 210A — Advanced Nutrition I: Nutrition &
Metabolism, Macronutrients (5 units)

Course Description: Advanced general nutritional concepts. Integrating
nutrition with biological systems, population nutrition issues, and
research approaches. Advanced concepts on lipid and protein
metabolism.
Prerequisite(s): Admission to the Nutritional Biology Graduate Group or
consent of instructor.
Learning Activities: Lecture 4 hour(s), Discussion 1 hour(s).
Enrollment Restriction(s): Limited to 30 students.
Grade Mode: Letter.

NUB 210B — Advanced Nutrition II: Nutrition & Cell
Biology, Micronutrients (5 units)

Course Description: Effects of nutrients at the cellular level. Principles of
cell signaling and signaling modulation by nutrients. Advanced concepts
of mineral and vitamin metabolism. Mineral and vitamin deficiencies and
associated pathologies.
Prerequisite(s): Admission to the Nutritional Biology Graduate Group or
consent of instructor.
Learning Activities: Lecture 4 hour(s), Discussion 1 hour(s).
Enrollment Restriction(s): Limited to 30 students.
Grade Mode: Letter.

NUB 210C — Advanced Nutrition III: Nutrition in Health
& Disease (5 units)

Course Description: Integration of 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.
Learning Activities: Lecture 4 hour(s), Discussion 1 hour(s).
Grade Mode: Letter.

NUB 290C — Research Group Conference (1 unit)

Course Description: Weekly conference on research problems, progress
and techniques in animal sciences.
Prerequisite(s): Graduate standing.
Learning Activities: Discussion 1 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Satisfactory/Unsatisfactory only.

NUB 298 — Directed Group Study (1-5 units)

Course Description: Directed group study.
Prerequisite(s): Graduate standing in Nutritional Biology Graduate Group
or consent of instructor.
Learning Activities: Variable.
Repeat Credit: May be repeated 3 time(s) when topics differs and consent
of instructor.
Grade Mode: Letter.

NUB 299 — Research (1-12 units)

Course Description: Research.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable.
Repeat Credit: May be repeated.
Grade Mode: Satisfactory/Unsatisfactory only.