NUTR - NUTRITIONAL SCIENCES

NUTR Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/NUTR/)

Courses

NUTR 417  Neuroscience of Eating & Drinking  credit: 3 or 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/417/)
Same as FSHN 417, NEUR 417 and PSYC 417. See PSYC 417.

NUTR 420  Nutritional Aspects of Disease  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/420/)
Same as FSHN 420. See FSHN 420.

NUTR 422  Companion Animal Nutrition  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/422/)
Same as ANSC 422. See ANSC 422.

NUTR 424  Pet Food & Feed Manufacturing  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/424/)
Same as ANSC 424. See ANSC 424.

NUTR 426  Biochemical Nutrition I  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/426/)
Same as FSHN 426. See FSHN 426.

NUTR 427  Biochemical Nutrition II  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/427/)
Same as FSHN 427. See FSHN 427.

NUTR 428  Community Nutrition  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/428/)
Same as FSHN 428. See FSHN 428.

NUTR 440  Applied Statistical Methods I  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/440/)
Same as ANSC 440, CPSC 440, FSHN 440, and NRES 440. See CPSC 440.

NUTR 500  Nutritional Sciences Seminar  credit: 0 or 1 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/500/)
Discussions of current problems in nutritional sciences. Approved for S/U grading only. May be repeated. Required of all graduate students in the nutritional sciences program.

NUTR 510  Topics in Nutrition Research  credit: 1 to 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/510/)
Current topics in nutritional sciences research. Same as ANSC 525 and FSHN 510. 1 to 3 graduate hours. No professional credit. May be repeated in the same term to a maximum of 3 hours and in separate terms to a maximum of 9 hours. Prerequisite: Advanced Biochemistry.

NUTR 511  Regulation of Metabolism  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/511/)
Biochemical and molecular regulatory mechanisms of macronutrient metabolism under various physiological conditions in mammalian species, including humans. Same as ANSC 521 and FSHN 511. 4 graduate hours. No professional credit. Prerequisite: MCB 450, MCB 244, MCB 246 and FSHN 426/ANSC 520 (or equivalent courses in biochemistry, physiology and nutrition). Second year graduate standing or above, or consent of instructor.

NUTR 520  Protein and Energy Nutrition  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/520/)
Same as ANSC 520. See ANSC 520.

NUTR 521  Molecular Basis of Metabolic Syndrome and Weight Management  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/521/)
Same as FSHN 521. See FSHN 521.

NUTR 522  Dietary Prevention of Cardiovascular and Other Chronic Diseases  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/522/)
Same as FSHN 522. See FSHN 522.

NUTR 523  Techniques in Animal Nutrition  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/523/)
Same as ANSC 523. See ANSC 523.

NUTR 524  Nonruminant Nutrition Concepts  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/524/)
Same as ANSC 524. See ANSC 524.

NUTR 526  Adv Companion Animal Nutrition  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/526/)
Same as ANSC 526. See ANSC 526.

NUTR 527  Advanced Vitamins and Minerals: Regulations of Metabolism  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/527/)
Same as FSHN 527. See FSHN 527.

NUTR 550  Grantsmanship and Ethics  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/550/)
Design and implementation of experimental protocols in nutrition. Examines the scientific, regulatory, and ethical context for conducting research in nutrition. The focus of the course will be the writing and evaluation of a simulated peer-reviewed grant proposal. Same as FSHN 550. 3 graduate hours. No professional credit. Prerequisite: Advanced nutritional biochemistry and statistics.

NUTR 561  Advanced Clinical Nutrition  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/561/)
Basic pathophysiological changes associated with major organ system failure and appropriate nutritional support and treatment. Provides medical orientation needed for participating in medical nutritional rounds. Same as FSHN 520. 2 graduate hours. No professional credit. May be repeated in the same term up to 4 hours and separate terms up to 8 hours. Prerequisite: Upper division course in physiology and a course in clinical nutrition.

NUTR 580  Ethics in Research, IRB and IACUC  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/580/)
Same as FSHN 580. See FSHN 580.

NUTR 581  US Food Regulations  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/581/)
Throughout the semester, students will learn the principles of US food regulations and how these regulations influence the US food industry. The course will explore the main US food regulations, enforcement actions, trade associations, and the Codex Alimentarius. Students will apply their learning by completing individual assignments and participating in optional group exercises and will integrate and apply graduate level knowledge of food regulations by working throughout the semester on a capstone project. 4 graduate hours. No professional credit. Credit is not given toward graduation for NUTR 581 and Intro to Food Regulations (NUTR 510, section B; or ANSC 525 section B; or FSHN 510 section B). Prerequisite: Restricted to graduate students.
NUTR 582  Personalized Nutrition  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/582/)
A “one size fits all” approach to nutrition may not work for everyone. We each have unique variations in our genome, epigenome and microbiome, which interact with our external environment to affect how our bodies respond to dietary intake. Students will learn how our unique biological make-up can be a way to establish more personalized approaches to diet, new approaches to analyzing personalized nutrition data, and what direct-to-consumer personalize nutrition products and services are available.
4 graduate hours. No professional credit. Prerequisite: Restricted to graduate students.

NUTR 583  Nutrition Policy  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/583/)
Throughout the semester students will learn about the policy making process and the evidence-base at the interface of nutrition policy. Students will explore complex questions about how government has responded to diet-related health problems and will examine the role for government in efforts to facilitate healthy eating. In addition, information on how to develop and evaluate policy approaches to improve diet quality and reduce the burden of diet-related disease among all people will be presented.
4 graduate hours. No professional credit. Credit is not given toward graduation for NUTR 583 and NUTR 510 Nutrition Policy (NUTR 510, section A; or ANSC 525, section A; or FSHN 510, section A).
Prerequisite: Restricted to graduate students.

NUTR 590  Disciplinary Seminar  credit: 0 to 2 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/590/)
Discussions of current research, literature and careers pertaining to disciplinary specializations within the Division of Nutritional Sciences. 0 to 2 graduate hours. No professional credit. Approved for Letter and S/U grading. May be repeated in the same or different terms, to a maximum of 2 hours for Masters students and 4 hours for PhD students.

NUTR 591  Animal Sciences Seminar  credit: 0 to 2 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/591/)
Same as ANSC 590. See ANSC 590.

NUTR 593  Individual Topics in Nutrition  credit: 1 or 2 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/593/)
For students majoring in nutritional sciences who wish to undertake individual studies of a nonthesis nature in problems or topics not covered in other courses; may be taken under the direction of any member of the nutritional sciences faculty, with the exception of the student's own thesis adviser. 1 or 2 graduate hours. No professional credit. May be repeated within the same or different terms to a maximum of 2 hours per degree program. Prerequisite: Consent of instructor.

NUTR 599  Thesis Research  credit: 0 to 12 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/599/)
Approved for S/U grading only. May be repeated.