**NUTRIONAL SCIENCES (NUTR)**

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

**Courses**

NUTR 420  **Nutritional Aspects of Disease**  [link](https://courses.illinois.edu/schedule/terms/NUTR/420)  
Same as FSHN 420. See FSHN 420.

NUTR 426  **Biochemical Nutrition I**  [link](https://courses.illinois.edu/schedule/terms/NUTR/426)  
Same as FSHN 426. See FSHN 426.

NUTR 427  **Biochemical Nutrition II**  [link](https://courses.illinois.edu/schedule/terms/NUTR/427)  
Same as FSHN 427. See FSHN 427.

NUTR 428  **Community Nutrition**  [link](https://courses.illinois.edu/schedule/terms/NUTR/428)  
Same as FSHN 428. See FSHN 428.

NUTR 500  **Nutritional Sciences Seminar**  [link](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**  [link](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**  [link](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**  [link](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**  [link](https://courses.illinois.edu/schedule/terms/NUTR/521)  
Same as FSHN 521. See FSHN 521.

NUTR 522  **Function and Metabolism of Essential Fatty Acids and Cholesterol**  [link](https://courses.illinois.edu/schedule/terms/NUTR/522)  
Same as FSHN 522. See FSHN 522.

NUTR 523  **Techniques in Animal Nutrition**  [link](https://courses.illinois.edu/schedule/terms/NUTR/523)  
Same as ANSC 523. See ANSC 523.

NUTR 524  **Nonruminant Nutrition Concepts**  [link](https://courses.illinois.edu/schedule/terms/NUTR/524)  
Same as ANSC 524. See ANSC 524.

NUTR 527  **Advanced Vitamins and Minerals: Regulations of Metabolism**  [link](https://courses.illinois.edu/schedule/terms/NUTR/527)  
Same as FSHN 527. See FSHN 527.

NUTR 530  **Childhood Obesity I**  [link](https://courses.illinois.edu/schedule/terms/NUTR/530)  
The current public health recommendations for the prevention of childhood obesity will be presented and the evidence for efficacy of existing interventions will be thoroughly examined. At the end of the semester, students will work in teams to synthesize the best practices and propose how they can be integrated into an intervention within a transdisciplinary context. Same as CHLH 530, FSHN 530, HDFS 551, KIN 530, SOCW 570. Approved for letter and S/U grading. Prerequisite: NUTR 530.

NUTR 550  **Grantsmanship and Ethics**  [link](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**  [link](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 590  **Disciplinary Seminar**  [link](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**  [link](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.