NUTR - NUTRITIONAL SCIENCES

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

Courses

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

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

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

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

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

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

NUTR 440  Applied Statistical Methods I  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/440/)
Same as ABE 440, 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.

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

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

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

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

NUTR 530  Childhood Obesity I  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/530/)
Introduction of scientific evidence underlying the multifactorial causes and consequences of childhood obesity in the U.S. and worldwide. Examination of existing theories from transdisciplinary perspectives will be stressed. Same as CHLH 530, FSHN 530, HDFS 551, KIN 530, SOCW 570. Approved for letter and S/U grading.
NUTR 531  Childhood Obesity II  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NUTR/531/)
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 531, FSHN 531, HDFS 552, KIN 531, SOCW 571. Approved for both letter and S/U grading. Prerequisite: NUTR 530.

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 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.