Human Nutrition and Foods—HNF

453 Nutrition and Human Development
Spring, 3(3-0) P: (HNF 375 or HNF 377) and (PSL 250 or PSL 310 or PSL 431) and (PPL 250 or PSL 310 or PSL 431) and (BMB 200 or BMB 401 or BMB 461 or KN 310)
Role of nutrients in anatomical, physiological, and biochemical processes as related to human growth and development. Nutrition throughout the life cycle. Nutritional assessment integrating the nutrition care process and age specific programs.

457 Sports and Cardiovascular Nutrition
Spring, 3(3-0) Interdepartmental with Kinesiology. Administered by Human Nutrition and Foods. P: (HNF 150) and (PSL 250 or PSL 310 or PSL 431) and (BMB 200 or BMB 401 or BMB 461 or KN 310)
Nutrition for optimizing sport training, recovery, and performance; power, intermittent, and endurance sports. Role of nutrition, physical activity and exercise on cardiovascular and overall health.

471 Medical Nutrition Therapy I
Fall, 4(3-2) P: (HNF 350) and ANTR 350 and (PSL 250 or PSL 310) and Completion of Tier I Writing Requirement R: Open to juniors or seniors in the Dietetics Major. SA: HNF 470
Anatomical, physiological and biochemical changes associated with diabetes, gastrointestinal, cardiovascular and bariatric conditions. Nutrition assessment, nutrition diagnoses, interventions, monitoring and evaluation, documentation and quality improvement as guided by Academy of Nutrition and Dietetics’ Nutrition Care Process. Interactions of diet therapies with other therapies including pharmacologic and complementary and alternative medicine.

472 Medical Nutrition Therapy II
Spring, 4(3-2) P: HNF 471 R: Open to juniors or seniors in the Dietetics Major. SA: HNF 470

475 International Studies in Human Nutrition
Fall, Spring, Summer. 2 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: HNF 150 or FSC 211 R: Approval of department; application required.
Education abroad experience. Contemporary problems affecting food science and human nutrition in world, national and local communities.

485 Advanced Public Health Nutrition
Spring, 3(2-2) P: HNF 250 and HNF 385 and STT 422 R: Open to students in the Nutritional Sciences Major and open to students in the Lyman Briggs Nutritional Sciences Coordinate Major. SA: HNF 376
Survey design, data collection and analysis of nutrition and health data. Use of statistical analysis software (SPSS/SAAS). Interpretation and presentation of research results.

490 Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to seniors. Approval of department.
Individual study of selected topics in foods, foodservice management or nutrition.

490H Honors Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to juniors or seniors. Approval of department.
Individual study of selected topics in foods, foodservice management or nutrition.

491 Topics in Human Nutrition
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. P: HNF 150
Selected topics of current interest in human nutrition.

494 Practicum
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to undergraduate students in the Department of Food Science and Human Nutrition. Approval of department.
Professional experience in selected settings and organizations under faculty supervision.

820 Advanced Biochemical Nutrition
Fall, 3(3-0) RB: Undergraduate biochemistry and upper-level undergraduate nutrition
Biochemical aspects of advanced human nutrition

821 Advanced Vitamins and Minerals
Spring, 3(3-0) P: HNF 820 or approval of department
The function of vitamins and minerals in human nutrition

823 Research Methods in Human Nutrition
Fall, 3(3-0) RB: Statistics course, epidemiology course
Survey of research methods used in human nutrition.

824 Nutrition Policies and Programs
Fall of even years. 1(2-0) R: Open course work in nutrition
Overview of U.S. nutrition policies and programs, including case studies, development and methods of evaluation.

825 Nutritional Immunology
Fall, 1(2-0) RB: Undergraduate physiological, biochemistry, cell biology, epidemiology
Role of nutritional status on immune function and infectious disease.

826 Obesity and Chronic Disease
Spring, 1(2-0) P: HNF 820 RB: Undergraduate physiology, biochemistry, cell biology, epidemiology
Adipose biology and the role of obesity in chronic disease including diabetes, heart disease and cancer.

832 Advanced Clinical Nutrition
Spring, 3(3-0) P: HNF 823 RB: Undergraduate course(s) in Medical Nutrition Therapy
Advanced topics in clinical nutrition.

840 Human Nutrition and Chronic Diseases
Fall of odd years. 3(3-0)
Dietary intervention and treatment of chronic diseases: obesity, cardiovascular disease, diabetes, gastrointestinal disorders and cancer.

843 Community Nutritional Assessment
Spring of odd years. 3(2-2)
Nutritional assessment of population groups in community settings. Interpretation of national and international health data.

890 Supervised Individual Study
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 10 credits Students are limited to a combined total of 10 credits in HNF 890 and HNF 894. R: Open only to graduate students in the Department of Food Science and Human Nutrition.
Faculty supervised study of nutrition areas of individual interest.

891 Topics in Human Nutrition
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate students.
Current topics in applied and basic human nutrition.

892 Nutrition Seminar
Fall, Spring, Summer. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Presentations by students on current topics in nutrition.

894 Human Nutrition Practicum
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 10 credits Students are limited to a combined total of 10 credits in HNF 890 and HNF 894. Approval of department. R: Open only to graduate students in the Department of Food Science and Human Nutrition.
Experience in agencies or offices related to Human Nutrition. Field experience required.

898 Master's Project
Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 5 credits in all enrollments for this course. R: Open to master's students in the Human Nutrition major.
Directed scholarly participation in support of Plan B master's degree requirements in human nutrition.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 20 credits in all enrollments for this course. R: Open only to master's students in Human Nutrition and Foods.
Master's thesis research.
936 Protein Nutrition and Metabolism
Spring of odd years. 3(3-0) Interdepartmental with Animal Science. Administered by Animal Science.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course.
R: Open to doctoral students in the Human Nutrition major.
Doctoral dissertation research.