NUTRITION (NUTR)

NUTR 100: Nutrition Applications for a Healthy Lifestyle
3 Credits

This course introduces students to nutrition principles necessary to promote a healthy lifestyle through assessment and application. Students will be better prepared to evaluate nutrition-related issues presented in the media and to make informed choices about their diet in order to promote health throughout their lives. Information about nutrients (proteins, carbohydrates, fat, vitamins, water, and minerals) and the physiological processes used to digest, absorb, and utilize them is presented and related to such topics as maintenance of ideal body weight, improvement in physical performance, and the role of nutrients in various disease states such as heart disease, diabetes, cancer, and osteoporosis. Topical issues such as alcohol ingestion, food insecurity, and consumer concerns will be utilized to integrate and critically analyze information presented by various media outlets. This course is intended for non-nutrition major students and will fulfill 3 credits of the GHW requirement of general education. Students who have earned credit for NUTR 251 may not schedule this course.

General Education: Health and Wellness (GHW)
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Key Literacies
GenEd Learning Objective: Soc Resp and Ethic Reason

NUTR 119: Elementary Foods
3 Credits

Basic principles and fundamental processes underlying food preparation. For non-nutrition majors only.

NUTR 120H: Food Preparation
3 Credits

Scientific principles of basic food preparation, with an emphasis on the physical and chemical aspects.

Honors

NUTR 123S: First Year Seminar in Nutritional Sciences
1 Credits

The course will meet once weekly to provide first year students with a basic understanding of why nutrition is important and how to improve their own diet and that of their friends and families. The course will explain the 3 options in nutritional sciences, promote discussions and learning about popular diets that may or may not offer health benefits, and explore important discoveries and advances in the nutritional sciences that underpin the current state of knowledge.

Enforced Corequisite at Enrollment: PSU 14 co-required (linked) course First-Year Seminar

NUTR 144: Our Plates: Exploring Food and Healthy Eating Patterns Through Cooking
3 Credits

This class teaches students how to plan and prepare recipes and meals through the lens of the Dietary Guidelines for Americans (DGFA) and the dietary guidelines of other countries and cultures. Students will explore the relationship between diet and health, with an emphasis on the food groups that make up the MyPlate, Mediterranean diet and Vegetarian eating patterns, as well as other established eating patterns in the US and other countries. Current US eating practices will be evaluated and compared with the guidelines to understand how well Americans and students are meeting current recommendations. Students will also attend a cooking lab where they will learn basic cooking skills and apply the concepts covered in the course through recipe analysis, meal plan creation, and hands-on cooking sessions.

General Education: Health and Wellness (GHW)
GenEd Learning Objective: Creative Thinking
GenEd Learning Objective: Key Literacies

NUTR 170: Careers in Nutrition
1 Credits

Nutrition professionals describe career paths and opportunities for graduates in applied and science options; strategies for making effective career decisions.

NUTR 175N: Healthy Food for All: Factors that Influence What we Eat in the US
3 Credits

This course explores factors that influence food intake, how individuals make food choices within their communities, and how these choices impact health and wellness. Topics include an overview of what Americans tend to eat, factors that influence food intake (e.g., economics, food environment, advertising/marketing), and the impact of poverty on food security, hunger, and health outcomes including obesity. This course also discusses how nutrition-policy influences food intake and health and food assistance programs. Students will be encouraged to examine their beliefs and understanding of how ethnic status, race, and socio-economic status, etc., affects individuals and their family's access to low-cost, healthy food. Students will enhance their understanding of the nature of social justice and equity by examining whether access to healthy food through federally funded programs is a right or a privilege and how a country capable of feeding the world has hungry citizens. This course includes hands-on interactive learning activities in the foods laboratory that teach food budgeting skills across income levels that provide perspective to eating healthy on a budget.

United States Cultures (US)
General Education: Health and Wellness (GHW)
General Education: Social and Behavioral Scien (GS)
General Education - Integrative: Interdomain
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Integrative Thinking
GenEd Learning Objective: Soc Resp and Ethic Reason
NUTR 199: Foreign Studies
1-12 Credits/Maximum of 12
Courses offered in foreign countries by individual or group instruction.
International Cultures (IL)
NUTR 211R: Applying Biochemistry to Nutrition
1 Credits
The course provides the student with a beginning understanding of how the biochemistry and metabolism under instruction applies to the human body. This includes the localization of biochemical processes within tissues and organs, the organ specific utilization of macronutrients as fuel sources, organ-specific specialization of macronutrient metabolism, and the anatomical features that accommodate and facilitate these functions. This course is supplemental to BMB 211: Elementary Biochemistry, and helps the student apply the biochemical activities taught in BMB 211 in the context of human physiology and nutrition. The beginning level coverage offered in both BMB 211 and NUTR 211R will prepare students for NUTR 445, Energy and Macronutrient Metabolism.

Enforced Prerequisite at Enrollment: (CHEM 202 or CHEM 202H or CHEM 210 or CHEM 210H) Corequisites: BMB 211

NUTR 251: Introductory Principles of Nutrition
3 Credits
NUTR 251 Introductory Principles of Nutrition (GHW) is a 3-credit course. This course is designed for nutrition majors and non-majors to provide a broad understanding of general principles of nutrition. Concepts covered include the essential nutrients, digestion, absorption, transport, and food sources. Additionally, major health issues related to some nutrients that are of public health concern in the United States are discussed in more detail giving insight into cause, treatment and prevention. Of major importance to students’ lives are health and nutrition implications of overweight and obesity, heart disease, diabetes, bone health, and energy balance as affected by diet and physical activity. Lastly, understanding of nutritional needs throughout the life span is introduced, with emphasis on pregnancy, lactation, and infant nutrition. All of these concepts at this introductory level are important for students in the major so that they are prepared for upper division courses. All of these concepts at this introductory level are important for students in the major so that they are prepared for upper division courses and are relevant to preparation for medicine, dentistry, and other allied health fields.

General Education: Health and Wellness (GHW)
Honors
GenEd Learning Objective: Effective Communication
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Integrative Thinking
GenEd Learning Objective: Key Literacies

NUTR 294: Research Project
1-12 Credits/Maximum of 12
Supervised student activities on research projects identified on an individual or small-group basis.

NUTR 296: Independent Studies
1-18 Credits/Maximum of 18
Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses.

NUTR 297: Special Topics
1-9 Credits/Maximum of 9
Formal courses given infrequently to explore, in depth, a comparatively narrow subject which may be topical or of special interest.

NUTR 299: Foreign Studies
1-12 Credits/Maximum of 12
Courses offered in foreign countries by individual or group instruction.
International Cultures (IL)

NUTR 320: Science and Methods of Food Preparation
4 Credits
The purpose of this course is to teach students the science of food preparation, to develop culinary skills, to learn how to preserve the nutritional content of plant and animal foods, and how to apply food safety principles during food preparation. Additionally, for each food preparation method, students will learn the underlying chemical and physical principles responsible for the recipe outcome and apply these principles in the cooking lab. Students will gain an understanding of production methods used by food manufacturers and the source of food additives used to make processed foods. Students will apply scientific principles of food preparation by modifying recipes to improve the nutritional quality of prepared foods while maintaining product quality. During the lab sessions, students will learn basic culinary techniques and apply these techniques by reading recipes, preparing foods, and using sensory evaluation to analyze the prepared foods.

NUTR 251H: Introd Prin Nutrition (honors)
3 Credits
NUTR 251H, Introductory Principles of Nutrition (GHW) is a 3-credit General Education honors course. This course is designed for honors-seeking nutrition majors and non-majors in the pre-health fields to provide a broad understanding of general principles of nutrition. Concepts covered include the essential nutrients, digestion, absorption, transport, and food sources. Additionally, major health issues related to some nutrients that are of public health concern in the United States are discussed in more detail giving insight into cause, treatment and prevention. Of major importance to students’ lives are health and nutrition implications of overweight and obesity, heart disease, diabetes, bone health, and energy balance as affected by diet and physical activity. Lastly, understanding of nutritional needs throughout the life span is introduced, with emphasis on pregnancy, lactation, and infant nutrition. All of these concepts at this introductory level are important for students in the major so that they are prepared for upper division courses. All of these concepts at this introductory level are important for students in the major so that they are prepared for upper division courses and are relevant to preparation for medicine, dentistry, and other allied health fields.

General Education: Health and Wellness (GHW)
Honors
GenEd Learning Objective: Effective Communication
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Integrative Thinking
GenEd Learning Objective: Key Literacies
Enforced Prerequisites at Enrollment: (NUTR 251 and CHEM 202) or (NUTR 251 and CHEM 210)

NUTR 358: Assessment of Nutritional Status

3 Credits

NUTR 358 is an introduction to the purpose, methods, and scientific basis for assessment of nutritional status in total health care for individuals and groups. Students will learn the role of nutritional assessment within the Nutrition Care Process model. Information is presented regarding current standards of food and nutrient intake adequacies and the use of these reference standards in nutritional assessment. Laboratory and case study assignments are included in the course to apply nutrition assessment principles and understand the role of anthropometric, biochemical, clinical, and dietary intake measurements as part of the nutritional assessment. Students will learn to measure, calculate, and interpret personal anthropometric and dietary intake variables. The course will teach students to collect and interpret personal nutritional assessment data and assess nutritional status.

Enforced Prerequisite at Enrollment: NUTR 251

NUTR 360: Nutrition Education and Behavior Change Theory

3 Credits

This course covers a range of topics related to providing evidence-based nutrition information to individuals as well as population-level health. It is designed to be an introductory course in nutrition education and theory within the Nutritional Sciences major. Students will explore the tenets of communication, education, and behavioral theories and models pertinent to the development and dissemination of nutrition information. Exploration of the fundamentals of food behavior, basic communication strategies essential to the nutrition counseling relationship, group facilitation, and working with diverse population groups will be examined through didactic lecture, individual practice, and project-based learning. Using current technologies to locate and understand evidence-based research, guidelines and protocols will be emphasized. Students will apply information discussed to the development of culturally sensitive nutrition education materials that are appropriate for the target population that is being addressed.

Enforced Prerequisite at Enrollment: NUTR 251

NUTR 361: Community and Public Health Nutrition

3 Credits

This course covers a range of topics around nutritional issues related to population-level health. Community or public health work appeals to many graduates of Nutritional Sciences because it allows them to directly affect the nutritional status of large groups of people. Many nutritionists are drawn to community and public health work because it allows them to practice a variety of skills, such as assessing the nutritional needs, planning interventions, designing educational programs, and conducting program evaluation. In this course, students learn the theory behind community assessment, policy development, intervention planning, and program management and will have an opportunity to practice the skills necessary to carry out these activities through in-class activities and assignments. By the end of this course, students will have a deeper understanding of which population groups in the US benefit from federal food and nutrition assistance programs; what these programs are; what laws and policies regulate them; and how they operate.

Enforced Prerequisite at Enrollment: NUTR 251 Concurrent Courses:
NUTR 360
United States Cultures (US)

NUTR 372: Nutrient Metabolism

3 Credits

NUTR 372 provides a foundation in principles involved in human nutrient metabolism. Particular focus will be placed on macronutrients (protein, carbohydrates, and fats) and relevant micronutrients (e.g., water- and fat-soluble vitamins, and minerals). Language around nutritional biochemistry and physiology: digestion, absorption, distribution, metabolism and excretion will be covered for all relevant nutrients. This course will prepare students for advanced courses in nutritional sciences.

Enforced Prerequisite at Enrollment: NUTR 251 and (CHEM 110 or CHEM 130)

NUTR 386: Managing Quality in Food and Nutrition Services

3 Credits

NUTR 386 Managing Quality in Food and Nutrition Services (3) This course is designed to foster the integration of management principles in the profession of nutrition and dietetics. Topics include strategic application of principles of management and systems in the provision of food and nutrition services to individuals and organizations, quality management, health care systems, leadership theory, corporate culture and communication, fiscal management in food and nutrition services, employee staffing, counseling and retention, and marketing. A business plan is also developed incorporating key operating indicators for organizational structure, marketing and financial objectives.

Enforced Concurrent Enrollment: HM 230

NUTR 390: Nutritional Biochemistry and Physiology

4 Credits

NUTR 390 is an upper-level undergraduate course that provides a solid foundation in principles of biochemistry, anatomy, physiology in the context of nutrition. Particular focus will be placed on macronutrients (protein, carbohydrate and fats), in conjunction with relevant micronutrients. Gene regulation related to nutrition will be covered. Concepts from pharmacology and toxicology are introduced as a way to build language around nutritional biochemistry. Absorption, distribution, metabolism and excretion will be covered for all relevant nutrients. NUTR 390 does not meet degree requirements for the Nutritional Sciences major or minor.

Enforced Prerequisite at Enrollment: CHEM 202 and NUTR 251

NUTR 391: Professional Preparation in Nutrition and Dietetics

2 Credits

This course provides students with an introduction to current issues in public health, the healthcare industry, professional practice and consumer trends that impact nutrition and health careers. Students will participate in activities during class to explore current topics in public health and issues related to improving access, quality of care and affordability in health care. Ethics scenarios will be presented
and discussed that are relevant to nutrition and other healthcare practitioners. This course also prepares students to develop a set of professional skills necessary to initiate a career in the field of dietetics and their required field experience. This course is designed to help students increase self-awareness, become cognizant of strengths and weaknesses, and develop more effective communication skills. Students will use these skills to obtain and successfully complete an advanced field experience in nutrition (NUTR 495).

**Enforced Prerequisite at Enrollment:** NUTR 360 Concurrent at Enrollment: NUTR 361 and NUTR 358

**NUTR 393: Dietetic Internship Application Development**

1 Credits

This course is designed to assist students with the critical thinking skills required to prepare and implement post-graduate educational plans required to progress in the field of nutrition and dietetics. Students wishing to become a Registered Dietitian Nutritionist (RDN) must apply to and be selected for a post-baccalaureate professional supervised learning experience, also known as a dietetic internship, following graduation. The process is competitive, complex and requires self-awareness of professional strengths and weaknesses as well as knowledge of the individual characteristics and objectives of specific dietetic internships. This course will introduce students to this process and help them with the skills needed to clarify their goals and complete the materials needed for a dietetic internship application.

**Enforced Prerequisite at Enrollment:** NUTR 391

**NUTR 399: Foreign Studies**

1-12 Credits/Maximum of 12

Courses offered in foreign countries by individual or group instruction.

**International Cultures (IL)**

**NUTR 400: Introduction to Nutrition Counseling**

2 Credits

This course introduces students to the principles and issues present in the nutrition counseling relationship. Topics will include techniques designed to promote and support nutrition behavior change such as motivational interviewing, cognitive behavior change, working with resistance, transference, countertransference, how to conduct a nutrition counseling session, ADIME charting, coding, and billing issues. Students will learn how to give advise effectively, improve their listening and self-reflection skills as they progress through the course. Challenging situations such as eating disorders, dual diagnosis, and obesity will be explored through role-playing and simulation. The dietitian’s role within the healthcare team, skill development through practical application and an introduction to Interprofessional interactions will be emphasized.

**Enforced Prerequisite at Enrollment:** NUTR 358 Concurrent Courses: NUTR 446

**NUTR 407: Nutrition for Exercise and Sports**

3 Credits

Interactions between nutrition, food selection, and timing of eating as they apply to exercise training and recreational physical activity.

**Enforced Prerequisite at Enrollment:** NUTR 251

**NUTR 409: Addressing and intervening on social determinants of nutrition inequity**

3 Credits

This course will ask students to look above and beyond the individual level for societal factors influencing population- and individual-level nutritional status. It will discuss people's nutrition behaviors, dietary choices, and nutritional status in the context of the larger social environments wherein they live and work every day. Approaches that consider policy, systems, and environmental change for improving nutrition will be introduced using both domestic and international case studies. Students will be asked to understand, apply, and make connections among the social gradients that characterize health and nutrition in both clinical and public health programs or interventions. Students will be taught how to develop tailored nutrition programs or interventions using social and behavioral information underlying a nutrition situation, as well as evidence-based characteristics of effective campaigns.

**Enforced Prerequisite at Enrollment:** NUTR 251 and (NUTR 360 or BBH 316 or HDFS/SOC 210)

**NUTR 410: Eating and Weight Disorders**

3 Credits

Eating behaviors vary widely across individuals, but only the extremes of these behaviors are considered pathological. This course provides an opportunity for students to attain a theoretical overview of eating and weight-related disorders, including anorexia nervosa, binge eating disorder, bulimia nervosa, obesity, and dieting. The course will discuss theories and current literature on the causes, diagnosis, symptoms, and treatment of eating and weight-related disorders. In addition, the course will also provide an overview of the differences in the prevalence, manifestations, and treatment of disordered eating in special populations, including men, children, athletes, and minorities. For each topic discussed, students will have related readings to provide insight on the history, theory, research and challenges related to this topic. At the end of this course, students will have an understanding of the history, definition, causes and controversies in eating and weight disorders. In addition, students will be able to define the various eating disorders and critically discuss research regarding their causes, consequences, treatment, and prevention.

**Enforced Prerequisite at Enrollment:** 5th semester standing NUTR 358

**NUTR 421: Biocultural Perspectives on Public Health Nutrition**

3 Credits

NUTR 421 (3) (IL) takes a public health perspective whereby the biocultural influences on health and nutrition are examined across global contexts. It will challenge students to consider the extent to which social and cultural factors contribute to food behaviors and nutritional status, particularly among vulnerable populations in low- and middle-income settings. The application of the social sciences, including key principles from nutritional anthropology, are a critical yet often overlooked aspect of public health nutrition interventions; this course will ask students to critique both over- and under-nutrition interventions through both biomedical and ethnomedical lenses. Students will describe key considerations for culturally-appropriate nutrition intervention.
development, implementation, and evaluation within the public health sphere.

**Enforced Prerequisite at Enrollment:** NUTR 251

**International Cultures (IL)**

NUTR 425: Global Nutrition Problems: Health, Science, and Ethics

3 Credits

This course is a survey of topics with a focus on an examination of the underlying reasons for malnutrition in developing countries and the nutrition-related health problems facing developing country populations, particularly women and children. The topics will range from climate change, clean water supply, and health, to micronutrient deficiencies during pregnancy and child development. Identification of ethical issues and the underlying values/principles of situations relevant to the lives of poor people in developing countries will be discussed, including the right to food in the context of humanitarian aid. Discussion of interventions and current solutions involving multi-country cooperation and agencies meant to alleviate these problems will be explored.

**Enforced Prerequisite at Enrollment:** NUTR 175Z or NUTR 175

**International Cultures (IL)**

NUTR 445: Energy and Macronutrient Metabolism

3 Credits

This course is designed to provide a foundation in the chemistry and metabolism of the macronutrients. Building on a knowledge base in biochemistry, physiology, and nutrition, this course will focus on the metabolism of proteins, carbohydrates, and lipids, and the integration of these metabolic pathways. The course provides the student with a sufficient application of biochemical processes, cellular molecules and their metabolism to serve as a basis for an advanced study of nutrition.

**Enforced Prerequisite at Enrollment:** BMB 211 and NUTR 251 and

NUTR 211R and BIOL 161 and BIOL 162 and BIOL 163 and BIOL 164

NUTR 445H: Nutrient Metabolism I

3 Credits

Nutrients, their sources, metabolism, interrelationships and requirements with focus on carbohydrates, lipids, and proteins.

Honors

NUTR 446: Micronutrient Metabolism

3 Credits

Nutrition 446 is designed to provide a foundation in integrated metabolism, metabolic functions, biochemistry, as well as cellular and molecular biology of the micronutrients (vitamins and minerals). It is an advanced nutrition course that will build upon your basic knowledge in physiology, biology, chemistry and nutrition. Students need to have a solid understanding of macronutrient metabolism (NUTR 445) in order to fully understand the micronutrient metabolism material presented in this course.

**Enforced Prerequisite at Enrollment:** NUTR 445

NUTR 451: Nutrition throughout the Life Cycle

3 Credits

This course will take a lifecycle approach to the study of nutritional needs, status, conditions, and interventions. The same nutrients are needed from birth to older age, but the requirements change along with a plethora of other factors including food preferences, chewing ability, digestion, absorption, metabolism, growth, behaviors, and barriers to healthy eating. The course will be divided into nine life stages and will cover what is nutritionally important at each stage. The student will also learn how nutritional status at one stage can impact health in later stages. By the end of this course, the student will have in-depth knowledge of nutritional needs and issues at each stage of life.

**Enforced Prerequisite at Enrollment:** NUTR 358 Concurrent Courses: NUTR 446

NUTR 452: Nutritional Aspects of Disease

3 Credits

This course will review the underlying nutritional components and pathophysiology of common human diseases/disorders. The focus is on the metabolic disturbances and nutritional interventions for the prevention of these diseases. Topics include nutritional aspects of obesity, diabetes, cardiovascular disease, GI and renal diseases, immunity and viral diseases, and cancer. The overall goal of this course is to expose students to the integrated nature of the disease process with a focus on nutritionally based or related diseases.

**Enforced Prerequisite at Enrollment:** NUTR 445 PreRequisite or

Concurrent Courses: NUTR 446

NUTR 453: Medical Nutrition Therapy

3 Credits

This Medical Nutrition Therapy course provides students with a strong understanding of how to best prescribe diets for patients, depending on the specific disease profile of the individual. This understanding comes from integrating knowledge of disease pathophysiology with nutrient roles and requirements. This knowledge of disease process informs dietary recommendations. In each case, students use the Nutrition Care Process to assess individual patient needs to determine best practice. Strong assessment skills will allow students to prioritize treatment for best outcomes at an individual level. This course covers prescribed medical nutrition therapy for major disease states encountered in clinical practice. Background pathophysiology lays the foundation for interpreting research and prescribing best practice diets for diseases including obesity, diabetes mellitus, cardiovascular disease, renal failure, and liver disease among others. Additionally, planning and usage of enteral and parenteral nutrition is covered. In each unit, students use their understanding of disease states to provide nutrition recommendations in case study examples. Prescriptive diets must reflect physiological states as well as individual patient preferences.

**Enforced Concurrent at Enrollment:** NUTR 452

NUTR 460: Nutritional Neuroscience

3 Credits

This course explores how food affects behavior and the brain, and vice versa: how neural circuits and gut hormones control eating and other behaviors. Throughout the course we will dissect the proverb "You
are what you eat, and examine the effect of diet and body weight on behavior and cognition. Links between pathology and dysfunction in the gut and neurological and psychiatric diseases, including addiction, autism or Alzheimer’s will also be explored. This course will cover current nutritional neuroscience findings from both animal models and human studies. We will also emphasize critical evaluation of nutritional neuroscience topics.

**Enforced Prerequisite at Enrollment:** (NUTR 251 or BIOL 161) and (BIOL 163 or BIOL 141 or PSYCH 260 or PSYCH 260A) Recommended Preparation: At least 4 semesters of nutrition or physiology or neuroscience or psychology courses.

NUTR 487: Advanced Performance Nutrition  
3 Credits  
This course will provide a review of metabolism as it relates to performance nutrition, and go greater in-depth on substrate utilization including supplements, hormones, and hydration during performance, recovery, and rest. Students will learn about the nutritional considerations for special populations (e.g., those with eating disorders, celiac disease/other autoimmune diseases, tactical groups, specific sports, etc). Students will be asked to apply the Nutrition Care Process to these populations. Students will have the opportunity to also apply nutrition timing, periodization, and menu planning for specific performance needs as they apply performance nutrition to specific populations. Students in this course may help provide meals, snacks, and/or taste tests to student athletes.

**Enforced Prerequisite at Enrollment:** NUTR 407

NUTR 490W: Nutrition Seminar  
3 Credits  
It is essential for nutrition professionals to keep up with the latest discoveries in the field. In this course, students will learn how to review published literature, integrate and evaluate the information, and disseminate their findings to others both verbally and in writing. A major focus of the course is the preparation of the paper in which students will critically evaluate original research papers and other evidenced-based documents, summarize the findings, and provide conclusions based on a careful analysis of the cited literature. From these exercises, students will acquire skills in interpreting research results and communicate their findings of a nutrition-related topic in a professional manner in both written and oral formats. The overall goal of this class is to empower students to sort fact from fiction in nutrition information and to be able to communicate their findings effectively.

**Enforced Concurrent at Enrollment:** NUTR 452 Recommended Preparations: ENGL 202A or ENGL 202C

NUTR 494: Research Project  
1-12 Credits/Maximum of 12  
Supervised student activities on research projects identified on an individual or small-group basis.

NUTR 494H: Honors Research Project  
1-12 Credits/Maximum of 12  
Supervised student activities on research identified on an individual or small-group basis.

Honors

NUTR 495: Advanced Field Experience in Nutrition  
3 Credits  
NUTR 495 is intended for students to earn academic credit through a supervised field experience in a dietetics or nutrition-related field. Students will complete 240 hours at a site agreed upon between the student, the field experience preceptor, and NUTR faculty member as a result of the Field Experience Proposal developed in NUTR 391. The primary focus of the field experience is both observational and participatory experiential learning accompanied by onsite supervision, as well as University-based instruction.

**Enforced Prerequisite at Enrollment:** NUTR 391

NUTR 495B: Advanced Field Experience in Nutrition  
3 Credits  
NUTR 495B: Advanced Field Experience in Nutrition is intended for students to earn academic credit through a supervised field experience in a dietetics or nutrition-related field. Students will complete 120 to 160 supervised practice hours at a site agreed upon between the student, the field experience preceptor, and Nutritional Sciences faculty member. The primary focus of the field experience is both observational and participatory experiential learning accompanied by onsite supervision, as well as University-based instruction.

NUTR 496: Independent Studies  
1-18 Credits/Maximum of 18  
Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses.

NUTR 496H: Independent Studies  
3 Credits  
Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses.

Honors

NUTR 497: Special Topics  
1-9 Credits/Maximum of 9  
Formal courses given infrequently to explore, in depth, a comparatively narrow subject which may be topical or of special interest.

NUTR 498: Special Topics  
1-9 Credits/Maximum of 9  
Formal courses given infrequently to explore, in depth, a comparatively narrow subject which may be topical or of special interest.
NUTR 499: Foreign Studies

1-12 Credits/Maximum of 12

Courses offered in foreign countries by individual or group instruction.

International Cultures (IL)