

NUTRITION (NUTR)

NUTR 10011 NUTRITIONAL OUTREACH: A HOW-TO FOR LIFE-LONG HEALTHY EATING 1 Credit Hour

Teaches basic nutrition information for healthy eating, including the important nutritional aspects of cooking, shopping, dining and disease prevention related to dietary intake.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 23012 INTRODUCTORY FOOD SCIENCE 3 Credit Hours

(Cross-listed with HEM 23212) Principles of food preparation and quality evaluation, with an emphasis on food science concepts, nutrition, food consumption trends and government regulation.

Prerequisite: NUTR 23511.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 3 lab

Grade Mode: Standard Letter

NUTR 23112 INTRODUCTION TO THE PROFESSION: NUTRITION AND DIETETICS 1 Credit Hour

Discusses academic requirements for the Nutrition major, the history of the nutrition profession as well as current credentialing and licensing requirements. Explores the opportunities within the field of dietetics. Teaches methods to document academic, personal and professional skills.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 23510 QUANTITY FOOD PRODUCTION, SERVICE AND SAFETY 3 Credit Hours

(Cross-listed with HM 23510) The application of management principles in quantity food production and service systems, including safety and sanitation; production forecasting and management; distribution; and service, commercial equipment and physical facilities. Introduction to inventory, recipe standardization and considerations of nutrition, quality and sustainability in quantity production.

Prerequisite: NUTR 23112.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 3 lab

Grade Mode: Standard Letter

NUTR 23511 SCIENCE OF HUMAN NUTRITION (KBS) 3 Credit Hours

Basic concepts and principles in the science of human nutrition, energy balance and weight control, individual nutrient needs, diet selection, nutrition related metabolism and physiological functions, nutritional diseases and current human nutrition controversies.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

Attributes: Kent Core Basic Sciences, TAG Health

NUTR 23520 SPORTS NUTRITION 3 Credit Hours

Teaches basic sports nutrition as well as practical applications of sports nutrition principles for students majoring in various healthcare related fields.

Prerequisite: NUTR 23511.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 33512 INTERMEDIATE NUTRITION SCIENCE 3 Credit Hours

Functions, sources, utilization and interactions of essential nutrients and associated physiology. Principles of designing a healthy diet using dietary standards and guidelines while considering nutrient needs of different populations.

Pre/corequisite: CHEM 20481 or CHEM 30481.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 33522 INTRODUCTION TO NUTRITION ASSESSMENT 3 Credit Hours

Application of nutrition principles, including nutrition-focused physical assessment, dietary intake assessment, nutrition surveys, introduction to medical records, nutrition interviewing, dietary standards and food exchange lists.

Prerequisite: NUTR 23511 and PSYC 11762 and SOC 12050; and nutrition major.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 33532 BUSINESS AND MANAGEMENT OF NUTRITION SERVICES 3 Credit Hours

Course explores the business management side of dietetics. Covers application of management theories, from dietetic programs and services to budgeting, billing and coding, in addition to quality improvement in dietetics programs and departments.

Prerequisite: NUTR 23511.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 35319 NUTRITION, HEALTH AND SOCIETY 3 Credit Hours

Course explores the role of environment, food, nutrition and lifestyle choices in promoting health and preventing disease. Focus is on the fundamentals of public policy, including legislative and regulatory basis of nutrition and dietetics practices.

Prerequisite: NUTR 23511.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 41095 SPECIAL TOPICS IN NUTRITION 1-4 Credit Hours

(Repeatable for credit)(Slashed with NUTR 51095) Discussion of a major topic within a specific field in nutrition and dietetics. Topic varies per course offering.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 1-4 lecture

Grade Mode: Standard Letter

NUTR 41096 INDIVIDUAL INVESTIGATION IN NUTRITION 1-3 Credit Hours

(Repeatable for credit) Students undertake an independent study in an area of nutrition and dietetics that is not covered by a regular course offering, with the guidance of a Kent State faculty member.

Prerequisite: Special approval.

Schedule Type: Individual Investigation

Contact Hours: 1-3 other

Grade Mode: Standard Letter

NUTR 43013 RESEARCH AND STATISTICAL METHODS IN NUTRITION AND DIETETICS (WIC) 3 Credit Hours

(Slashed with NUTR 53013) Student gain experience in research methods related to nutrition and dietetics, principles of experimental design, data analysis and techniques of scientific writing.

Prerequisite: NUTR 33512.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

Attributes: Writing Intensive Course

NUTR 43016 WORLD FOOD CUSTOMS AND NUTRITION 3 Credit Hours

(Slashed with NUTR 53016) Understanding the interrelationship between food and agricultural practices of racial, ethnic and religious populations globally.

Prerequisite: NUTR 23511 and SOC 12050.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 43030 FOOD SERVICE SYSTEMS MANAGEMENT 3 Credit Hours

(Slashed with HTM 53030 and NUTR 53030)(Cross-listed with HEM 43030) Food service systems management, including systems theory; menu planning and evaluation; procurement; food production systems; sustainability; layout and design basics. Management concepts in non-commercial food service, including financial control, marketing, quality, management, leadership and human resources.

Prerequisite: HEM 23212 or NUTR 23012; and HEM 23510 or NUTR 23510.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 43511 MEDICAL NUTRITION THERAPY I 3 Credit Hours

(Slashed with NUTR 53511) Exploration of the nutrition care process, including documentation, standardized language, nutrition assessment, interpretation of laboratory values and individualized patient care and planning for disease and nutrition needs. Students engage in case studies and nutrition assessment exercises.

Prerequisite: BSCI 30130 and CHEM 30284 and NUTR 33512.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 43512 MACRONUTRIENT NUTRITIONAL BIOCHEMISTRY 3 Credit Hours

(Slashed with NUTR 53512) Course explores the mechanisms through which the macronutrients meet biological needs and how these related to applied human nutrition.

Prerequisite: BSCI 30130 and CHEM 30284 and NUTR 33512.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 43513 MICRONUTRIENT NUTRITIONAL BIOCHEMISTRY 3 Credit Hours

(Slashed with NUTR 53513) Course explores the mechanisms through which micronutrients meet human biological needs in the relationship to underlying applied human nutrition.

Prerequisite: BSCI 30130 and CHEM 30284 and NUTR 33512.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 43514 MEDICAL NUTRITION THERAPY II 3 Credit Hours

(Slashed with NUTR 53514) Continued exploration of the nutrition care process, including relevant documentation, standardized language, nutrition assessment, interpretation of laboratory values and individualized patient care and planning for disease and nutritional needs. Students engage in case studies and nutritional assessments.

Prerequisite: NUTR 43511.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 43515 COMMUNITY NUTRITION (ELR) 3 Credit Hours

(Slashed with NUTR 53515) Introduction to nutrition problems and practices in the community. Principles and techniques of effective education, learning and behavior change theories and techniques. Includes an experiential laboratory component with a focus on planning, implementation, evaluation and outcomes in nutrition education, as well as nutrition communication, programming and counseling techniques.

Prerequisite: NUTR 33512 and NUTR 33522 and NUTR 33532.

Schedule Type: Laboratory, Lecture

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement

NUTR 43518 LIFECYCLE NUTRITION 3 Credit Hours

(Slashed with NUTR 53518) Explores the nutrition needs through growth, development and aging. Focus is on nutritional needs and issues during conception, pregnancy, lactation, infancy, childhood, adolescence, adulthood and older adulthood.

Prerequisite: NUTR 33512.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 43522 INTEGRATIVE AND FUNCTIONAL NUTRITION 2 Credit Hours

(Slashed with NUTR 53522) Introduces the foundations of integrative and functional medicine as it relates to nutrition. Includes personalized nutrition, nutrigenomics, complementary and alternative therapies, nutraceuticals and functional foods, in addition to the interaction of food on supplement and drug efficacy.

Prerequisite: NUTR 33512.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

NUTR 43523 NUTRITION AND DIETETICS: PROFESSIONAL PRACTICE 1 Credit Hour

Development of professional awareness. Evaluation of professional growth and formulation of plans for continued growth.

Prerequisite: Nutrition major; and senior standing.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 43524 NUTRITION AND DIETETICS: PROFESSIONAL PRACTICE
2 Credit Hours

Development of professional awareness, leadership and career goals. Evaluation of professional growth and formulation of plans for continued growth in the profession of nutrition and dietetics.

Prerequisite: Nutrition major; and senior standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

NUTR 43532 METHODS AND EXPERIENCES IN NUTRITION OUTREACH
3 Credit Hours

(Slashed with NUTR 53532) Students learn methods for development and evaluation techniques used for nutrition outreach programming; the role of community nutrition education in public health; and the impact of nutrition programming on disease prevention and management. Students engage in service learning opportunities in community nutrition education.

Prerequisite: Special approval.

Schedule Type: Lecture, Practical Experience

Contact Hours: 2.5 lecture, 4 other

Grade Mode: Standard Letter

NUTR 45092 PRACTICUM IN NUTRITION (ELR) 1-3 Credit Hours

Application of education in pre-professional experience in clinical, community and nutrition foodservice environments. Combination of nutrition experiences throughout the semester.

Prerequisite: Special approval.

Schedule Type: Practical Experience

Contact Hours: 3-9 other

Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement

NUTR 45098 RESEARCH IN NUTRITION (ELR) 1-3 Credit Hours

Students engage in research under the supervision of a nutrition faculty member. Students may develop a research idea or work on faculty-led research.

Prerequisite: Special approval.

Schedule Type: Research

Contact Hours: 3-9 other

Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement

NUTR 51095 SPECIAL TOPICS IN NUTRITION 1-4 Credit Hours

(Repeatable for credit)(Slashed with NUTR 41095) Discussion of a major topic within a specific field in nutrition and dietetics. Topic varies per course offering.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 1-4 lecture

Grade Mode: Standard Letter

NUTR 51096 INDIVIDUAL INVESTIGATION IN NUTRITION 1-3 Credit Hours

(Repeatable for credit) Students undertake an independent study in an area of nutrition and dietetics that is not covered by a regular course offering, with the guidance of a Kent State faculty member.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Individual Investigation

Contact Hours: 1-3 other

Grade Mode: Standard Letter

NUTR 53013 RESEARCH AND STATISTICAL METHODS IN NUTRITION
3 Credit Hours

(Slashed with NUTR 43013) Students gain experience in research methods related to nutrition and dietetics, principles of experimental design, data analysis and techniques of scientific writing.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53016 WORLD FOOD CUSTOMS AND NUTRITION 3 Credit Hours

(Slashed with NUTR 43016) Understanding the interrelationship between food and agricultural practices of racial, ethnic and religious populations globally.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53030 FOOD SERVICE SYSTEMS MANAGEMENT 3 Credit Hours

(Slashed with NUTR 43030)(Cross-listed with HEM 43030 and HTM 53030) Food service systems management, including systems theory; menu planning and evaluation; procurement; food production systems; sustainability; layout and design basics. Management concepts in non-commercial food service, including financial control, marketing, quality, management, leadership and human resources.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53511 MEDICAL NUTRITION THERAPY I 3 Credit Hours

(Slashed with NUTR 43511) Exploration of the nutrition care process, including documentation, standardized language, nutrition assessment, interpretation of laboratory values and individualized patient care and planning for disease and nutrition needs. Students engage in case studies and nutrition assessment exercises.

Prerequisite: Graduate standing.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 53512 MACRONUTRIENT NUTRITIONAL BIOCHEMISTRY 3 Credit Hours

(Slashed with NUTR 43512) Course explores the mechanisms through which the macronutrients meet biological need and how these related to applied human nutrition.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53513 MICRONUTRIENT NUTRITIONAL BIOCHEMISTRY 3 Credit Hours

(Slashed with NUTR 43513) Course explores the mechanisms through which micronutrients meet human biological needs in the relationship to underlying applied human nutrition.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53514 MEDICAL NUTRITION THERAPY II 3 Credit Hours

(Slashed with NUTR 43514) Continued exploration of the nutrition care process, including relevant documentation, standardized language, nutrition assessment, interpretation of laboratory values and individualized patient care and planning for disease and nutritional needs. Students engage in case studies and nutritional assessments.

Prerequisite: Graduate standing.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 53515 COMMUNITY NUTRITION 3 Credit Hours

(Slashed with NUTR 43515) Introduction to nutrition problems and practices in the community. Principles and techniques of effective education, learning and behavior change theories and techniques. Includes an experiential laboratory component with a focus on planning, implementation, evaluation and outcomes in nutrition education, as well as nutrition communication, programming and counseling techniques.

Prerequisite: Graduate standing.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 2 lecture, 2 lab

Grade Mode: Standard Letter

NUTR 53518 LIFECYCLE NUTRITION 3 Credit Hours

(Slashed with NUTR 43518) Explores the nutrition needs through growth, development and aging. Focus is on nutritional needs and issues during conception, pregnancy, lactation, infancy, childhood, adolescence, adulthood and older adulthood.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 53522 INTEGRATIVE AND FUNCTIONAL NUTRITION 2 Credit Hours

(Slashed with NUTR 43522) Introduces the foundations of integrative and functional medicine as it relates to nutrition. Includes personalized nutrition, nutrigenomics, complementary and alternative therapies, nutraceuticals and functional foods, in addition to the interaction of food on supplement and drug efficacy.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

NUTR 53532 METHODS AND EXPERIENCES IN NUTRITION OUTREACH 3 Credit Hours

(Slashed with NUTR 43532) Students learn methods for development and evaluation techniques used for nutrition outreach programming; the role of community nutrition education in public health; and the impact of nutrition programming on disease prevention and management. Students engage in service learning opportunities in community nutrition education.

Prerequisite: Nutrition major; and graduate standing; and special approval.

Schedule Type: Lecture, Practical Experience

Contact Hours: 2.5 lecture, 4 other

Grade Mode: Standard Letter

NUTR 61016 RESEARCH METHODS IN NUTRITION I 3 Credit Hours

Introduces the foundations of research methods and statistics in nutrition sciences. Students are exposed to basic research methods related to quantitative and qualitative methods with an emphasis on quantitative methods. Basic statistical concepts are introduced with a focus on descriptive and inferential statistic common in nutrition science research. During the course, students start developing their thesis or research project.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 61017 RESEARCH METHODS IN NUTRITION II 3 Credit Hours

Course builds upon NUTR 61016 and develops understanding on important aspects of research methods and statistical tests used in nutrition and dietetics.

Prerequisite: NUTR 61016; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 61098 RESEARCH 1-15 Credit Hours

(Repeatable for credit) Research for master's-level students. Credit earned may be applied toward meeting degree requirements with school approval.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Research

Contact Hours: 1-15 other

Grade Mode: Standard Letter-IP

NUTR 61099 MASTER'S PROJECT 2-6 Credit Hours

(Repeatable for credit) (Cross-listed with HDFS 61099) Completion and successful defense of a master's project. Master's project students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Project or Capstone

Contact Hours: 2-6 other

Grade Mode: Satisfactory/Unsatisfactory-IP

NUTR 63199 THESIS I 2-6 Credit Hours

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Masters Thesis

Contact Hours: 2-6 other

Grade Mode: Satisfactory/Unsatisfactory-IP

NUTR 63299 THESIS II 2 Credit Hours

Students must continue registration each semester until all degree requirements are met.

Prerequisite: NUTR 63199; and graduate standing.

Schedule Type: Masters Thesis

Contact Hours: 2 other

Grade Mode: Satisfactory/Unsatisfactory-IP

NUTR 63518 ADVANCED SPORTS NUTRITION 3 Credit Hours

Course focuses on nutritional concepts and principles related to athletic performance including energy needs, metabolism, and utilization in sports, macronutrient needs and metabolism, micronutrient needs of athletes, nutrient timing considerations, hydration needs and practices and other special considerations.

Prerequisite: Graduation standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63519 ADVANCED STUDY OF MICRONUTRIENTS 3 Credit Hours

Course covers intake, digestion and absorption of nutrients.

Prerequisite: Nutrition major; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63520 MACRONUTRIENT NUTRITION 3 Credit Hours

Course covers metabolic utilization of macronutrients for body processes.

Prerequisite: Nutrition major; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63521 NUTRITION AND DISEASE: CLINICAL APPLICATIONS 3 Credit Hours

Recent trends and concepts in research and practice of therapeutic dietetics.

Prerequisite: Nutrition major; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63522 COMMUNICATION, MANAGEMENT AND PROFESSIONALISM IN DIETETICS 3 Credit Hours

Explores the importance of communication in a variety of medias as it relates to leadership and management and overall professionalism in nutrition. The areas of management focus include foodservice, community and clinical nutrition management.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63524 PERSPECTIVE ON PREVENTION AND PRACTICE IN COMMUNITY NUTRITION 3 Credit Hours

Explores the relationship between nutritional epidemiology and the research, policies and programs for the successful treatment and prevention of nutrition related disease in the United States. Focuses on the behavioral and learning theories used in successful nutrition interventions and grant writing to sustain community programs.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

NUTR 63525 DIETETIC PRACTICE: COMMUNITY 1 Credit Hour

Discussion focusing on nutrition care in the community setting. Evaluation and interpretation of the scientific literature.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 63526 DIETETIC PRACTICE: MANAGEMENT 1 Credit Hour

Discussion focusing on the management of food and nutrition services. Evaluation and interpretation of the scientific literature.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 63527 DIETETIC PRACTICE: CLINICAL 1 Credit Hour

Discussion focusing on nutrition care in the acute practice setting. Evaluation and interpretation of the scientific literature.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

NUTR 63591 NUTRITION SEMINAR 1-3 Credit Hours

(Repeatable for credit) Evaluation and interpretation of recent literature in an area of nutrition. Topic varies per course offering.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter

NUTR 63592 DIETETIC INTERNSHIP 1-4 Credit Hours

(Repeatable for credit) Supervised practice component of dietetic internship.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 12-48 other

Grade Mode: Satisfactory/Unsatisfactory