

DIETETICS AND NUTRITION (NFS)

NFS 500 MACRONUTRIENTS

3, 2/0

Prerequisites: Undergraduate coursework in nutrition, biochemistry, and physiology or instructor permission. Proteins, carbohydrates, and lipids, with an emphasis on metabolism and interrelationships with other nutrients.

NFS 501 MICRONUTRIENTS

3, 0/0

Prerequisites: Undergraduate coursework in nutrition, biochemistry, and physiology or instructor permission. Vitamins and minerals with emphasis on functional roles in metabolism, interrelations, and nutritional significance.

NFS 503 NUTRITIONAL INTERVENTION IN DISEASE STATES

3, 0/0

Multisystemic view of the physiologic and biochemical alterations in disease states requiring dietary modifications; current theories of dietary treatment in light of epidemiologic data, current scientific research, and factors affecting an individual's ability to carry out the necessary modifications; altered regulatory mechanisms, including interrelations of medications and other treatments with nutritional status and dietary intake.

NFS 506 PRINCIPLES OF HUMAN NUTRITION

3, 3/0

Prerequisites: Graduate standing. Principles of human nutrition with emphasis on the functions of macronutrients and micronutrients and dietary sources, as well as their digestion, absorption, and metabolic processes. Biological determinants of nutrient requirements and the assessment of nutrient status in individuals and populations. Role of diet in health and prevention of chronic disease; applications for students contemplating careers in the health professions. Offered every semester.

NFS 510 NUTRITION EDUCATION

2, 2/0

Prerequisites: Undergraduate or graduate coursework in nutrition or instructor permission. Apply principles of nutrition by designing effective nutrition education programs. Utilize learning and behavior change theories to affect nutrition education that promotes adoption of lifelong healthy behaviors. Design effective nutrition-based health promotion materials. This course is two hours to provide health professionals with instruction on designing effective nutrition education programs while working in the field and meeting the curriculum roadmap of the program. Offered every semester.

NFS 550 GRADUATE PRACTICUM IN DIETETICS

3, 0/0

Prerequisites: NFS 448 and clinical faculty permission; graduate status. Plan, implement, and develop a dietetics practicum and evaluation tool for student performance in a selected area of dietetic practice such as acute care, long-term care, nutrition education, or community service programs. Ability to practice independently with minimal supervision required. Offered every spring.

NFS 571 EXPERIENTIAL LEARNING IN FOOD SERVICE SYSTEMS IN HEALTH CARE

3, 0/0

Prerequisite: NFS 311 and graduate status, or instructor permission. Food systems management in healthcare facilities. Emphasis on sustainable production and distribution of quantity food products; purchasing, receipt, and storage of products used in food production and related understanding of agricultural practices; and application of principles of food safety and related risk management. Offered every summer.

NFS 590 INDEPENDENT STUDY

1-3, 0/0

NFS 594 GRADUATE WORKSHOP

1-3, 0/0

Graduate workshop in Dietetics and Nutrition.

NFS 598 MICRO-COURSE

3, 0/0

Graduate-level micro-course in Dietetics and Nutrition.

NFS 601 LEADERSHIP AND PROJECT MANAGEMENT IN DIETETICS

3, 3/0

Prerequisite: Instructor permission. Leadership and project management applied in clinical nutrition, private practice, community nutrition and food service management. Competency-based learning using skills, tools, and techniques required in the life cycle of a nutrition project, including project selection, planning, staffing, task scheduling, budgeting, risk management, and quality improvement. Exploration of nutrition informatics in executing nutrition projects. Offered every summer.

NFS 604 ADVANCES IN FOOD RESEARCH

2, 2/0

Prerequisite: Undergraduate coursework in food, food preparation, or food science or instructor permission. Current methods of foods preservation, processing, packaging, and storage; new food products; processing trends in the food industry.

NFS 605 CURRENT TRENDS IN NUTRITION

3, 3/0

Prerequisites: Undergraduate (NFS 102 or equivalent) or graduate level nutrition course (NFS 506 or equivalent). Current trends in nutrition, including dietary guidelines, food diets, and public health nutrition policies and initiatives. Evidence-based nutrition education programs for communities. Offered every semester.

NFS 607 EXPERIENTIAL LEARNING IN WEIGHT MANAGEMENT AND DIABETES PREVENTION AND TREATMENT

3, 3/0

Prerequisites: Undergraduate coursework medical nutrition therapy and instructor permission. Pathophysiology, prevention, and treatment of obesity and diabetes. Techniques for measuring body composition and energy expenditure examined. Includes selected content for the interdisciplinary obesity and weight management certification and for the certified diabetes educator credential. Employs competency-based education (CBE). Offered every fall.

NFS 609 EXPERIENTIAL LEARNING IN ADVANCED MEDICAL NUTRITION THERAPY

3, 3/0

Prerequisites: NFS403 and NFS430. Applies evidence analysis process in evaluating medical nutrition therapies (MNT). Explores MNT outcomes for malnutrition MNT in acute and long term care, and community settings. Includes selected content for the certified nutrition support clinician credential: e.g., parenteral electrolytes and glucose management. Employs competency-based education (CBE). Offered every Fall semester.

NFS 612 NUTRITION COUNSELING

3, 3/0

Prerequisite: Undergraduate coursework in nutrition counseling and medical nutrition therapy and instructor permission. Evidence-based practice in nutrition consultation related to models of cultural competence, nutrition counseling strategies, models of emotional intelligence, processes for coding and billing for nutrition services, and utilization of nutrition informatics. Employs competency-based education. Offered every spring.

NFS 615 NUTRITION EDUCATION PRACTICUM

1, 0/3

Prerequisites: NFS 510 and instructor permission. Application of the principles of nutrition education learned in NFS 510 by designing, presenting, and evaluating a nutrition education project.

NFS 620 EXPERIENTIAL LEARNING IN NUTRITION

1-3, 1/0

Prerequisites: NFS 510 or instructor permission. Applying knowledge and skills of nutrition in community health settings. Emphasis on planning, implementing, and evaluating community nutrition programs. Application of nutrition and health principles to create changes in knowledge, attitudes, behavior and health outcomes among individuals, families or target groups in community settings. Offered every semester.

NFS 634 NUTRITION AND GERONTOLOGY

3, 3/0

Prerequisite: Undergraduate coursework in medical nutrition therapy, nutrition in the lifecycle, or instructor permission. Examination of the nutritional needs of aging and individuals in later maturity and palliative care. Examine the nutritional needs and complications of nutritional deficiency and disease in later life. Specific nutritional concerns in aging populations and community nutrition services available. Offered annually.

NFS 689 METHODS OF NUTRITIONAL RESEARCH

3, 3/0

Prerequisites: Graduate status, undergraduate coursework in nutrition research and medicine therapy, instructor permission. Advanced knowledge of nutrition research design; planning, collection, treatment, and interpretation of research data; application of nutrition research methods and statistical analysis as related to the development of a nutrition research proposal. Students develop a proposal for individual research projects. Offered every spring.

NFS 690 MASTER'S PROJECT

3, 0/0

Prerequisite: Instructor permission. A project undertaken by one or more individuals on a problem of special interest, planned and carried out with consultation and guidance from the instructor.

NFS 695 MASTER'S THESIS

1-3, 0/0

Individual investigation of an original problem submitted in acceptable form according to directions given by the Graduate School.

NFS 721 THESIS/PROJECT CONTINUATION

0, 0/0

NFS 722 THESIS/PROJECT EXTENDED

0, 0/0