

Nutrition (NUTR)

Courses

NUTR 5100 Seminar in Nutrition: 1 semester hour.

This course will place a major emphasis on the current development in nutrition and dietetics. Reading, discussion, reports, case studies and presentations focusing on the professional practice of nutrition and dietetics. Critical thinking activities related to research seminars in human nutrition.

NUTR 5300 Research Methods: 3 semester hours.

This course will teach students how to develop, implement and analyze nutrition and public health research, in order to increase their skills as dietitians/nutritionists, and public health scientists.

Prerequisites: MATH 2003 or MATH 1342 or HUNF 4613 or HUNF 4361.

NUTR 5301 Food and Nutrition Policy: 3 semester hours.

This class will investigate and discuss the roles and interests of federal agencies, state agencies, private/public organizations, and the media relevant to U.S. food and nutrition policy. A comparison and contrast of international perspectives on food and nutrition policies and programs used to support global nutrition and health promotion will be examined. Topics covered will include discussions on healthy diet, healthy food environments, food security, sustainable food systems, and food deserts. Emphasis will be given to the contexts in which policies are developed, interaction of stakeholders, translation of policies into programs, the intended and unintended nutritional impacts, and an assessment of forces hindering or helping the policy implementation.

NUTR 5302 Nutrition Informatics: 3 semester hours.

This course examines how the implementation of electronic health record (EHR) and health information technology (HIT) transformed nutrition delivery documentation, follow up and evaluation. Nutrition Informatics covers the retrieval, organization, storage and use of data for food and nutrition problems and decision making.

NUTR 5303 Biostatistics: 3 semester hours.

This course teaches the statistical methods and principles necessary for understanding and interpreting data used in nutrition, health care, public health, and epidemiology. Topics include descriptive statistics, inferential statistics, graphical data summary, sampling, statistical comparison of groups (t-tests, chi-squared, ANOVA), correlation, and regression. Students will learn via lecture, group discussions, critical reading of published research, and analysis of data using SPSS, SAS, and STATA.

Prerequisites: MATH 2003 or MATH 1342.

NUTR 5310 Nutrition Assessment: 3 semester hours.

This course will examine the types of nutritional assessment systems used for research, clinical evaluations, and community estimates for decision making. The use of the most frequently encountered bio markers, indices and indicators of nutritional status and their interpretation will also be covered.

Prerequisites: HUNF 3603 or HUNF 3360 and (HUNF 3673 or HUNF 3367).

NUTR 5311 Nutrition and Public Health: 3 semester hours.

The course is designed to provide students with understanding and competencies in assessing the factors which influence the nutritional status of the population; in identifying the resources in the community available to address nutrition and health problems; in conducting a community assets and needs assessment; and engaging the community in problem-solving. Also addressed are issues related to the changing nature of general health care and public health nutrition services.

Prerequisites: HUNF 3673 or HUNF 3367 and (HUNF 4693 or HUNF 4369).

NUTR 5312 Social and Cultural Influences on Nutrition: 3 semester hours.

This course explores connections between what we eat and who we are through cross-cultural study of how personal and collective identities, social relations, and economic inequalities are formed and maintained via practices of food production, preparation, and consumption.

NUTR 5313 Nutrition & Metabolism I: 3 semester hours.

This course covers nutritional biochemistry; digestion, absorption, transport, function, regulation, and metabolism of macronutrients; relationships between dietary intake, metabolic pathways, and the pathogenesis of health.

NUTR 5314 Nutritional Epidemiology: 3 semester hours.

This course will cover research strategies in nutritional epidemiology and methods of dietary assessment using data on food intake, biochemical indicators of diet, and measures of body composition and size.

NUTR 5315 Global Nutrition: 3 semester hours.

The course explores the impact of nutrition and health disparities internationally resulting from inadequate nutrition throughout the lifecycle. Student will evaluate the international health and nutrition organizations, policies and interventions. The increased role of the dietitian in creating and implementing international interventions and affecting public health policy will be explored.

NUTR 5320 Food Nutrition & Communication: 3 semester hours.

The course explores current trends and the use of social media as an effective tool in dietetics practice. The course gives the students an opportunity to practice food styling and writing a supportive article for possible submission to Today's Dietitian.

NUTR 5322 Nutrition Education & Counseling: 3 semester hours.

Students preparing for careers in nutrition and dietetics are expected to gain competency for professional practice in a wide range of disciplines and be able to translate nutrition sciences effectively into plain language for people who want to change their eating behaviors, lifestyle, and energy expenditure to improve their health. This course will increase and refine the student's pre-professional experience in helping people change their eating habits for improving their health and reducing the risk of chronic diseases.

NUTR 5323 Nutrition & Metabolism II: 3 semester hours.

This course covers nutritional biochemistry; digestion, absorption, transport, function, regulation, and metabolism of micronutrients; relationships between dietary intake, metabolic pathways, and the pathogenesis of health.

Prerequisites: NUTR 5313.

NUTR 5326 Capstone Project: 3 semester hours.

Independent final paper exploring a topic of interest, emerging from a specific area in Nutritional Sciences under the supervision of a faculty advisor.

NUTR 5633 Advanced Practicum in Dietetics: 6 semester hours.

Preplanned experience at the professional level in dietetic administration, food service management, clinical and therapeutic nutrition and community and public health nutrition.

NUTR 6306 Thesis: 3 semester hours.

Independent research work on a specific area in Nutritional Sciences under the supervision of a thesis advisor.