MS Nutrition w/ DPD Verification Course Descriptions

NTDT 30144 Quantity Foods Advanced study in food preparation, emphasizing standards, principles and techniques of producing quality food in quantity. Care and use of equipment, work simplification, menu planning, and basic cost controls.

NTDT 30233 Essentials in Dietetics Emphasizes fundamental knowledge for the Registered Dietitian (RD) and the role of the Registered Dietitian within the health care team. Course content includes the Scope of Dietetics Practice, Code of Ethics, Evidence Analysis Library, Nutrition Care Process, and Medical Nutrition Therapy documentation for enhancing development of skills to perform nutrition assessment, diagnosis, intervention and monitoring/evaluation.

NTDT 30313 Food Systems Management Systems approach to the organization and management of foodservice operations including the functional subsystems (procurement, production, service, and maintenance).

NTDT 30333 Medical Nutrition Therapy I Knowledge and skills necessary for implementation of the Nutrition Care Process and evidence-based nutrition intervention among individuals with physiological and biochemical abnormalities associated with various conditions such as, but not limited to, diabetes mellitus, cardiovascular disease, and gastrointestinal (GI) disorders. Study of pharmacology and nutrition support as a component of Medical Nutrition Therapy. Lecture format incorporates case studies to provide skill enhancement.

NTDT 40333 Medical Nutrition Therapy II Physiological and biochemical abnormalities associated with various diseases and disorders. Advanced knowledge and techniques necessary for comprehensive medical nutrition therapy. Discussion of the importance of nutrition intervention and the role of the registered dietitian as a member of the health care team.

NTDT 40343 Nutritional Biochemistry Biochemical and physiological mechanisms of nutrition science and metabolism are covered.

NTDT 40403 Research Methods in Nutrition Fundamentals of research methods, research design, treatment and interpretation of data in nutrition. Primarily designed for students with an interest in Nutrition and Dietetics.

NTDT 50101 DPD Graduate Seminar This course consists of seminar topics that introduce professional practice expectations in nutrition and dietetics, leadership and career skills, and the supervised pratice application process. This course is designed for students pursuing Didactic Program in Dietetics (DPD) verification required for advancement to an accredited supervised practice program and subsequent eligibility to take the Registration Examination for Registered Dietitian Nutritionists.

NTDT 50223 Culinary Medicine This seminar will provide the student with an advanced exploration and study of culinary medicine principles. The field of culinary medicine blends culinary skills with the science of medicine and nutrition. Through this course, students will gain skills and knowledge in both areas. Learning activities include lectures, group discussions, and cooking demonstrations, application, and food tasting. The course is designed for students pursuing clinical and healthcare-related fields of study.

NTDT 50323 Gut Microbiota and Health This class will cover the composition and function of the human gut microbiota, its relevance to health, and the different environmental factors that play a role on its configuration. The class also addresses the gut microbial changes that have been linked to the incidence of diseases and the potential therapeutics that can be employed to prevent

and/or treat diseases by modifying the gut microbiota. Lastly, antibiotics, antibiotic resistance, and antibiotic stewardship will be reviewed.

NTDT 50343 Aspects of Human Nutrition This course provides an advanced study of the principles of nutrition in relation to the biochemical, physiological, and molecular aspects of the human body.

NTDT 50973 Nutritional Sciences Seminar This seminar will provide the student with an advanced exploration and study of selected topics and emerging issues in food, nutrition, and dietetics. Topics will be determined by faculty to enhance the required curriculum and to satisfy competencies mandated by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

NTDT 60443 Nutritional Genomics This course offers an advanced study of nutritional genomics, nutrigenomics, the effect of diet on gene expression, and how genetic differences affect nutrient uptake and metabolism. This course examines the impact of dietary regulation of gene function on human disease. Course provides graduate credit to students enrolled in the MS in Dietetics.

NTDT 60453 Nutrition Ecology Course content will examine how food is produced, distributed, consumed, and disposed of, as well as the effects of these processes on human and environmental health, society and the economy. Course will focus on defining contributing problems regarding nutrition ecology and evaluation of proposed sustainable solutions in addressing them.

NTDT 60973 Nutritional Sciences Seminar This graduate seminar will provide the student with an advanced exploration and study of selected topics and emerging issues in food, nutrition, and dietetics. Topics will be determined by faculty to enhance the required curriculum and to satisfy competencies mandated by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

NTDT 70980 Thesis Enrolled MS students will pursue their thesis research under the direction of their advisors.

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