

# MEDICAL NUTRITION EDUCATION (MNED)

## **MNED 477 NUTRITION IN THE MANAGEMENT OF CHRONIC DISEASES (MEDICAL NUTRITION THERAPY) 3 Credit Hours**

This course focuses on basic nutrition principles for the management of common chronic diseases using a format of lectures, case studies, and an independent study. It explores the relationship between nutrition and the development and management of common chronic diseases and their associated medical conditions. Course content includes appropriate strategies for implementing nutrition care as it relates to specific diseases/medical conditions. Topics include nutrition assessment, diagnosis and intervention for disease states such as cardiology, diabetes, oncology, renal disease and obesity. Students use case studies from clinical settings to apply knowledge related to nutrition assessment, diagnosis and intervention.

Prerequisite: Introduction to Nutrition (3 credit hours), Human Physiology (3 credit hours), or permission of instructor.

Typically Offered: FALL/SPR

## **MNED 487 NUTRITION IN THE MANAGEMENT OF CHRONIC DISEASES II 3 Credit Hours**

This course focuses on the application of the basic nutrition principles for the management of common chronic diseases using a format of lectures, case studies, and an independent study. Building off of MNED 477, it explores the relationship between nutrition and the development and management of common chronic diseases and their associated medical conditions. Course content includes appropriate strategies for implementing nutrition care as it relates to specific diseases/medical conditions. Topics include nutrition assessment, diagnosis and intervention for disease states such as cardiology, diabetes, oncology, renal disease and obesity. Students use case studies from clinical settings to apply knowledge related to the Nutrition Care Process.

Prerequisite: Introduction to nutrition (3 credit hours) and Human physiology (3 credit hours), and MNT I (MNED 477 or equivalent) or permission of instructor

Typically Offered: SPRING

## **MNED 700 SEMINAR MED NUTRITION I 1 Credit Hour**

This course allows a unique seminar opportunity for students enrolled in the Medical Nutrition Therapy Master of Medical Nutrition program. The course will include attendance at research seminars and journal clubs within the Medical Nutrition Education department and across campus.

Prerequisite: Enrollment in the Medical Nutrition Education Program.

Typically Offered: FALL/SP/SU

## **MNED 701 SEMINAR MED NUTRITION II 1 Credit Hour**

This course allows a unique seminar opportunity for students enrolled in the Medical Nutrition Therapy Master of Medical Nutrition program. The course will include attendance at research seminars and journal clubs within the Medical Nutrition Education department and across campus.

Prerequisite: Enrollment in the Medical Nutrition Education Program, MNED 700.

Typically Offered: FALL/SP/SU

## **MNED 710 NUTRITION SERVICES SCOPE 2 Credit Hours**

This supervised practice experience is focused on community, clinical nutrition and management roles for registered dietitians in varied settings. Students will gain understanding of the role of the registered dietitian nutritionist in providing consumer and patient nutrition services in marketplace and healthcare programs. They will develop related skills through practical experiences guided and supervised by qualified registered dietitian nutritionist preceptors.

Prerequisite: Enrollment in the Medical Nutrition Program.

Typically Offered: FALL

## **MNED 720 INTERPROFESSIONAL LEARNING AND LEADERSHIP I 1 Credit Hour**

This supervised practice experience is focused on interprofessional learning, service learning and professional development. Students will gain an understanding of scope of practice, interprofessional teams, meaningful service to the community and professional development.

Prerequisite: Enrollment in the Medical Nutrition Education Program.

Typically Offered: FALL

## **MNED 722 INTERPROFESSIONAL LEARNING AND LEADERSHIP II 1 Credit Hour**

This supervised practice experience is focused on interprofessional learning, service learning and leadership skill development. Students will gain an understanding of scope of practice, interprofessional teams, meaningful service to the community and leadership skill development.

Prerequisite: Enrollment in the Medical Nutrition Education Program, MNED 720.

Typically Offered: SPRING

## **MNED 724 INTERPROFESSIONAL LEARNING AND LEADERSHIP III 1 Credit Hour**

This supervised practice experience is focused on interprofessional learning, service learning and developing leadership and mentoring skills. Students will gain an understanding of scope of practice, interprofessional teams, meaningful service to the community and skill development in leadership and mentoring.

Prerequisite: Enrollment in the Medical Nutrition Education Program, MNED 720, MNED 722.

Typically Offered: FALL

## **MNED 730 PEDIATRIC NUTRITION CARE 2 Credit Hours**

This supervised practice experience is focused on the care of pediatric patients in community/ambulatory/acute inpatient care settings.

Students will gain an understanding of regulatory requirements for nutrition care programs, e.g., Child Nutrition programs, Women, Infant and Children (WIC) program, Supplemental Nutrition Assistance Program (SNAP). In the clinical setting, students will use nutrition care process tools to gather and evaluate patient/client data for nutrition assessment.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710.

Typically Offered: FALL

## **MNED 732 NUTRITION THERAPY - ADULT AND GERIATRIC PATIENT CARE 3 Credit Hours**

This supervised practice experience is focused on the adult/geriatric patients in the acute care setting. Students will participate in patient nutrition care using the fundamental principles of the nutrition care process with an emphasis on nutrition assessment and patient/family education. Nutrition therapy for medical diagnoses related to cardiac disease, diabetes, gastrointestinal diseases will be included.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710.

Typically Offered: FALL

**MNED 734 NUTRITION THERAPY - EDUCATION & COUNSELING 2 Credit Hours**

This supervised practice experience is focused on education and counseling for prevention and/or management of chronic diseases with nutrition correlates. Students gain functional understanding of specific counseling strategies through application in the clinical setting and debriefing with skilled preceptors.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710, 720, 730, 732, 775/875, 777/877 or instructor permission.

Typically Offered: SPRING

**MNED 736 NUTRITION STRATEGIES FOR COMMUNITY HEALTH 2 Credit Hours**

This supervised practice experience is focused on community-based nutrition programs that focus on food safety, food sustainability, nutrition regulations, government legislation and environmental factors that affect access of individuals and communities to adequate nutrition and nutrition services. Through a variety of activities, students will increase their knowledge of hunger, food consumption, regulations and legislation of government programs and perform an assessment the current environment regarding access to nutrition programs and services in local areas. Students will participate in a variety of activities in community-based settings and/or community government programs that focus on nutrition education to individuals and communities. Clinical preceptors, with guidance and oversight from the course instructor, provide supervised practice experiences consistent with the requirements of the course. Clinical preceptors are credentialed as Registered Dietitian Nutritionists (RDN) or community leaders and program administrators.

Prerequisite: Admission to the UNMC Masters of Medical Nutrition Program; Successful completion of MNED 710, 720, 730, 732, 775, 777 or instructor permission

Typically Offered: SPRING

Capacity: 20

**MNED 738 NUTRITION THERAPY - CRITICAL CARE & NUTRITION SUPPORT 2 Credit Hours**

This supervised practice experience is focused on adult/ geriatric patients in the acute inpatient critical care setting who require nutrition support. Students will participate in patient nutrition care using the fundamental principles of the nutrition care process with an emphasis on nutrition assessment and reassessment, nutrition diagnosis and nutrition interventions including enteral/parenteral nutrition support and transitional feeding. Varied medical diagnoses and conditions are included.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710, 720, 730, 732, 775/875, 777/877 or instructor permission.

Typically Offered: SPRING

**MNED 750 ADVANCED PRACTICE SELECTIVE 2 Credit Hours**

This supervised practice experience provides students (dietetic interns) an opportunity to add skills in an area of nutrition practice or nutrition research. Students may focus on a specialized area of practice and/or add experiences from an alternate location and practice type. Students will work with the course instructor, in advance, to select practice sites and learning objectives. Requires advance preparation and approval of personal learning objectives.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710, 720, 730, 732, 775/875, 777/877 or instructor permission.

Typically Offered: FALL

**MNED 760 INTEGRATIVE NUTRITION AND APPLIED GENETICS AND PHARMACOLOGY 2 Credit Hours**

This course will provide the student with opportunities for experiential learning, critical discussion, and directed study of current literature and concepts in how pharmacology, genetics, and integrative nutrition relate to the field of Medical Nutrition.

Prerequisite: Admission to the UNMC Master of Medical Nutrition Program; Successful completion of MNED fall, spring and summer terms or instructor permission.

Typically Offered: FALL

**MNED 766 POPULATION SCIENCE, GLOBAL HEALTH, AND AGRICULTURE PRACTICES IN NUTRITION 2 Credit Hours**

This course will provide the student with opportunities for experiential learning, critical discussion, and directed study focused on the concepts on how population science, global health, and sustainable agricultural practices relate to the field of Medical Nutrition.

Prerequisite: Admission to the UNMC Masters of Medical Nutrition Program, successful completion of MNED fall, spring and summer terms or instructor permission

Typically Offered: SUMMER

**MNED 773 CLINICAL NUTRITION MANAGEMENT 2 Credit Hours**

This supervised practice experience is focused on knowledge and skill development related to managing clinical nutrition services in health care settings. Students will conduct management functions and complete projects that demonstrate mastery of competencies relevant to entry-level practice. Project categories include: accreditation standards and regulatory requirements; policies and procedures; human resource functions; strategic planning and program development; financial management and process improvement

Prerequisite: Admission to the UNMC Master of Medical Nutrition program; Successful completion of MNED fall and spring terms or instructor permission

Typically Offered: SUMMER

**MNED 775 RESEARCH METHODS IN MEDICAL SCIENCE 3 Credit Hours**

This course introduces students to the basic components of the medical science research process including formulation of a valid research hypothesis and appropriate research methodology in a practice setting. Students will be introduced to the fundamental concepts of research methods, enabling them to critically evaluate published research. Course content includes appropriate procedures for conducting a comprehensive literature review, hypothesis development, study design, and statistical analysis.

Prerequisite: Enrollment in the Medical Nutrition Program, or enrollment in the Genetic Counseling program, or instructor permission.

Typically Offered: FALL

**MNED 777 MEDICAL NUTRITION AND DIAGNOSIS RELATED CARE 3 Credit Hours**

This course focuses on nutrition and diagnosis related care using a format of lectures and case studies. It explores the relationship between nutrition and the physiological, biochemical and anatomical changes in acute, chronic and/or terminal illness, surgery and trauma. Course content includes appropriate strategies for implementing each step of the nutrition care process as it relates to specific diseases/medical conditions. Areas of study include nutrition assessment and support in adult and pediatric nutrition care. Topics include burn, cardiology, diabetes, gastrointestinal and liver disease, oncology, pulmonology, renal disease, organ transplantation and introduction to nutrition support. Students use case studies from clinical settings to apply knowledge of nutrition assessment, diagnosis and intervention.

Prerequisite: Enrollment in the Medical Nutrition Program or instructor permission.

Typically Offered: FALL

**MNED 779 NUTRITION THERAPY PRACTICUM 3 Credit Hours**

This course is the culminating supervised practice experience that demonstrates entry-level competency attainment in the practice of medical nutrition therapy. Students work independently under the guidance of an experienced Registered Dietitian Nutritionist-Licensed Medical Nutrition Therapist. Students conduct all steps of the Nutrition Care Process to provide care for an assigned patient population similar to what would be expected in an entry-level position.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710, 720, 722, 730, 732, 734, 736, 738, 750, 775/875, 777/877, 785/975, 787/977 or instructor permission.

Typically Offered: SUMMER

**MNED 785 APPLIED MEDICAL NUTRITION RESEARCH 3 Credit Hours**

This course is designed to familiarize students with evidence based research and libraries, provide experiences designed to develop oral presentation and professional writing skills, and provide the experience of conducting medical nutrition research in the clinical setting. Students will obtain IRB approval for their research proposal developed in MNED 775, and develop proposals for research projects using appropriate methods, ethical procedures, and statistical analysis. Students will present their projects orally in class and in poster format at the College of Allied Health Professions Forum on Evidence-Based Medicine.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 775, CITI Training Certification.

Typically Offered: SUMMER

**MNED 787 MEDICAL NUTRITION AND THE NUTRITION CARE PROCESS 3 Credit Hours**

This didactic course is designed to analyze nutrition care practice using the Academy of Nutrition and Dietetics Nutrition Care Process. Students will engage in application of strategies associated with evidence based practice and outcome measures in medical nutrition therapy.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 777, successful completion of fall semester clinical rotation requirements.

Typically Offered: SPRING

**MNED 790 MEDICAL NUTRITION CAPSTONE 2-4 Credit Hours**

This course provides the student with experiences that will demonstrate competence in planning, implementing, and interpreting a relevant, focused clinical or professional topic related to high quality delivery of Medical Nutrition Therapy. The submission of the Capstone Project in the form of a paper and oral presentation is a requirement for obtaining the Master of Medical Nutrition degree.

Prerequisite: Enrollment in the Medical Nutrition Program, MNED 775, MNED 785, successful completion of CITI Training.

Typically Offered: FALL/SPR

**MNED 798 SPECIAL TOPICS MED NUTR 1-3 Credit Hours**

This independent study course allows students to explore a specific topic not offered in the existing curriculum.

Prerequisite: Enrollment in the Medical Nutrition Program.

Typically Offered: FALL/SP/SU