MEDICAL NUTRITION EDUCATION (MNED)

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 THERAPY - COMPLEX ISSUES & CONTINUUM OF CARE 2 Credit Hours
This supervised practice experience is focused on adult and geriatric patients in the acute care setting (inpatient and ambulatory with home care consultation). Students will participate in patient nutrition care using the fundamental principles of the nutrition care process with an emphasis on nutrition assessment, nutrition support, and patient/family education. Students will monitor and evaluate nutrition care to determine impact in achieving expected outcomes. Practice areas include cancer, renal disease and other disease states with nutrition therapy as an important component of the patient’s overall plan of care. Prerequisite: Enrollment in the Medical Nutrition Program, MNED 710, 720, 730, 732, 775/875, 777/877 or instructor permission. Typically Offered: SPRING

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 advanced 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: SUM/SPRING

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.
Instructor: Megan Timmerman, MPA, RDN, LMNT
Typically Offered: SUMMER

MNED 775 RSCH METHODS MED NUTR 3 Credit Hours
This course introduces students to the basic components of the medical nutrition research process including formulation of a valid research hypothesis and appropriate research methodology in a clinical practice setting. Students will be introduced to the fundamental concepts of research methods, enabling them to critically evaluate published research in medical nutrition. 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 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: SUM/SPRING

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 MED NUTRITION CAPSTONE 1-6 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/SP/SU

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
MNED 875 RESEARCH METHODS IN MEDICAL NUTRITION I 3 Credit Hours
An introduction to the basic components of the medical nutrition research process including formulation of a valid research hypothesis and appropriate research methodology in a clinical practice setting. Students will be introduced to the fundamental concepts of research methods, enabling them to critically evaluate published research in medical nutrition. Course content includes appropriate procedures for conducting a comprehensive literature review, hypothesis development, study design, and statistical analysis. Students will develop a research proposal and will complete CITI training.
Prerequisite: Permission of instructor.

MNED 877 MEDICAL NUTRITION AND DIAGNOSIS RELATED CARE 3 Credit Hours
This course focuses on nutrition care for patients with varied medical diagnoses. Format includes lectures by practicing clinicians and case studies from clinical settings to apply knowledge of nutrition assessment, diagnosis and intervention.
Prerequisite: Permission of instructor.

MNED 975 APPLIED MEDICAL NUTRITION RESEARCH II 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 875, and execute the research project using appropriate methods, ethical procedures, and statistical analysis. Students will present their findings orally in class and in poster format at the CAHP Forum on Evidence-Based Medicine. Students will be assigned published papers and specific sections of books to read, and websites to visit prior to classes five through seven. The papers will be used as examples of study design. The website provides current information on dietary supplements and their regulation.
Prerequisite: MNED 875 and permission of instructor.

MNED 977 MEDICAL NUTRITION AND THE NUTRITION CARE PROCESS 3 Credit Hours
A didactic course designed to analyze nutrition care practice using the American Dietetic Association Nutrition Care Process. Students will engage in application of strategies associated with evidence based practice and outcome measures in the medical nutrition therapy.
Prerequisite: MNED 877 and permission of instructor.

MNED 998 SPECIAL TOPICS IN MEDICAL NUTRITION 1-3 Credit Hours
An independent study course that allows students to explore in depth a specific topic not offered in existing curriculum. Topics may include an evidence for specific nutrition therapy or other medical nutrition issues.
Prerequisite: Permission of instructor.