

HMD 462: Medical Nutrition Therapy 2
Department of Family & Consumer Sciences
Western Kentucky University
Fall 2016

Instructor Information

Karen Mason, Ph.D., R.D.
Academic Complex 209C
270-745-3462
karen.mason@wku.edu
Web address: <http://people.wku.edu/karen.mason/>
Office Hours: M: 9:00 a.m.–1:00 p.m.
TR: 11:00 a.m.–2:00 p.m. Additional office hours are available by appointment.

Course Information

Lectures: TR, 8:55-10:55 a.m., Mass Media & Technology Hall, room 0118

Course Description: Continued study of the analysis of the scientific principles of human nutrition in relation to health and disease. Emphasis is placed on intervention strategies for specific disease conditions and disorders. Includes laws, regulations and standards related to dietetic practice.

Course Goal: This course is intended to provide the knowledge and skills required of nutrition professionals to work in the area of medical nutrition therapy.

Course Objectives/Learning Outcomes: Upon completion of this course, students will be able to:

1. Utilize knowledge of human physiology and pathology, biochemistry, and normal nutrition to determine nutritional implications and interventions for various disease states.
2. Become familiar with the medical model as the setting for clinical nutrition.
3. Apply knowledge of food composition to formulation of therapeutic diets and menus.
4. Utilize principles of nutrition assessment, planning, intervention, and evaluation to develop nutrition care plans based on dietary intake, laboratory data, and anthropometric values.
5. Be familiar with delivery of food and nutrition services in health care systems.
6. Apply current research information and methods to dietetic practice.
7. Be more familiar with appropriate medical terminology and abbreviations used in the health care setting.

Prerequisite: HMD 362 Medical Nutrition Therapy I

Required text: Nelms, M., K. Sucher, and K. Lacey. Nutrition Therapy and Pathophysiology, 3rd edition. Boston, MA: Cengage Learning, 2016.

Class notes, grades and assignments will be posted on Blackboard. (<https://blackboard.wku.edu/>).

For Nutrition and Dietetics students: This class helps fulfill competencies (knowledge and skills) for Nutrition and Dietetics students set by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). To identify those competencies, please visit <http://www.wku.edu/facs/dietetics/>

Topics to be Covered:

- Ethics in MNT
- Health Care Policy, Reimbursement, Coding, and Billing
- Nutrigenomics
- Enteral & Parenteral Nutrition
- Hematological System
- Liver Disease
- Gallbladder/Pancreas Diseases
- Respiratory Diseases
- Acid Base Disorders
- Immunology, Allergies, Response to Injury
- Metabolic Stress
- Metabolic Disorders
- Neoplastic Diseases
- Sports Nutrition
- Complementary Medicine/Dietary Supplements
- Pharmacology
- Neurological, Muscular, & Skeletal Disorders
- HIV and AIDS

A detailed syllabus will be available in Blackboard starting Monday, August 21st.