Master of Science in Clinical Nutrition Complete or Partial Online Courses for the 2013 Fall Semester through the Graduate School:

NUTR 5032 Assessment of Nutritional Status (100%)

Study of nutritional assessment systems and methodology including the latest technology in dietary, biochemical, anthropometric, and clinical evaluation. Emphasis placed on the design of systems, the interpretation of indices for all age groups in health and disease, and the application of data in nutritional counseling and consultation. Current research and government survey data are discussed. The course includes: lectures/discussions, demonstrations of software packages and body composition equipment, hands-on practice session, methodology paper, readings, and guest lecturers who are experts in dietary and clinical assessment of children and the elderly. Grades will be based on written examinations, lab/class session participation, and methodology paper. Course instructor is Dr. Josh Phelps.

NUTR 5103 Nutrition and Metabolism: Macronutrients (100%)

This course is part of the required core for all students in the Masters of Science in Clinical Nutrition program. The course begins with a review of the cell and its parts and function. The macronutrients – protein, fat, and carbohydrate – are discussed in depth, covering the structure, digestion, absorption, and clinical importance of each of these nutrients. Function and structure of the gastrointestinal tract (esophagus, stomach, small bowel, large bowel, pancreas, liver, gall bladder); acid-base balance, reviewing both pulmonary function and the role of the kidney; and other topics, particularly trace elements are presented since they are not taught elsewhere. Grades are determined through a series of short question exams. Course instructor is Dr. Josh Phelps.

NUTR 5213 Pediatric Nutrition (50%)

Emphasis of clinical management of nutrition care in pediatrics, relating current requirements to physiological and biochemical needs; feeding practices relating to physical, mental, and social development; and clinical assessment of growth in health and disease. This course involves lectures in a discussion mode, original research articles, papers, and exercises in identifying special foods for infants and children, observation of clinical assessment of infants and children, and guest lecturers who are experts in pediatric nutrition from infancy through adolescence. Written examinations, written reports, and class participation will provide the basis for grading. Pre- or co-requisite: NUTR 5013, 5153. Course instructor is Dr. Tina Crook.

NUTR 5243 Community Nutrition (50%)

This advanced-level course will provide the student with a framework to approach, analyze, and work with the community nutrition problems. The needs of different populations and resources within the community will be discussed. This course will cover nutritional needs assessment, nutritional education and public policy. Pre-requisites include either NUTR 5103 or NUTR 5333 or Consent of faculty. Off-site activities will be necessary to fulfill requirements for this course. Course instructor is Dr. Dana Gonzales.