

A. Objectives

At the completion of the course, students will be able to:

1. Screen individuals for nutritional risk
2. Use current information technologies (appropriate computer software) to perform required tasks or solve problems in nutrition
3. Summarize and accurately interpret data (laboratory parameters related to nutrition)
4. Calculate and/or define diets for health conditions addressed by health promotion/disease prevention activities or uncomplicated instances of chronic diseases of the general population
5. Use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions, including medical nutrition therapy, disease prevention and health promotion.
6. Develop outcome measures, use informatics principles and technology to collect and analyze data for assessment and evaluate data to use in decision-making.

B. Learning Outcomes

Upon completion of the course, students are able to:

- CRD 3.1 Perform the Nutrition Care Process (a through e below) and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings
- CRD 3.4 Deliver respectful, science-based answers to consumer questions concerning emerging trends
- CRD 3.6 Develop and evaluate recipes, formulas and menus for acceptability and affordability that accommodate the cultural diversity and health needs of various populations, groups and individuals

4. Other Course Information

A. Objectives

This course seeks to promote:

- the introduction of a variety of assessment techniques, including online testing, open-ended assessments and student presentations
- a working knowledge of multiple choice exams consistent with the principles of sound assessment practices
- the ability to examine assessment results in the context of discriminatory power, validity and item bias
- a description of the rationale for formative assessments and their use in an educational setting
- alternative uses for assessment results including program evaluation and conducting educational research

B. Learning Outcomes

- Students will be able to evaluate existing chemistry assessments from practical and theoretical aspects
- Students will be able to describe the case for validity of specific chemistry assessments
- Students will be able to propose a suite of assessments to aid in program evaluation
- Students will be able to identify an alternative assessment technique and present the learning theory and evidence to support its use and limits of use

4. Other Course Information

A. Objectives

Students will learn preparation of effective multi-media sampling and analysis plans; strategies for sampling environmental media; field QA/QC; field equipment decontamination; sample handling and shipment; and documentation of environmental sampling events.

B. Learning Outcomes

Students will be able to:

- Identify field sampling equipment and general use;
- Formulate and execute appropriate and effective sampling strategies;
- Evaluate sampling results against the applicable State regulations;
- Organize and apply information effectively to accomplish specific purposes; and
- Demonstrate an understanding of the field assessment process, including the legal and business issues associated with the use of the information obtained.