



Course Description

MLS3150 | Special Topics in Medical Laboratory Sciences | 3.00 credits

This course stresses the importance of evidence-based practice in the medical laboratory sciences field. Students will be presenting case studies to the faculty and peers in the program. Instruction will emphasize professional, legal and ethics issues affecting the medical laboratory science field. Students will review the material covered in the program to prepare for the comprehensive assessment.

Course Competencies:

Competency 1: The student will demonstrate knowledge of supervisory and management skills by:

1. Reviewing and selecting a clinical case in the laboratory to analyze and research
2. Presenting findings of the clinical case
3. Evaluating the questions asked (generated) and successfully responding professionally to the supervising faculty member

Competency 2: The student will analyze and evaluate topics in the following disciplines by:

1. Analyzing and evaluating Clinical Laboratory Sciences:
 - a. Clinical chemistry
 - b. Immuno- hematology
 - c. Hematology
 - d. Microbiology
2. Analyzing and evaluating Histotechnology
3. Exploring the legal and ethical issues affecting the practice of medical laboratory science

Competency 3: The student will demonstrate the ability to complete a comprehensive discipline assessment by:

1. Completing and analyzing the discipline-based assessment:
 - a. Clinical Laboratory Sciences
 - b. Histotechnology

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information