



Course Description

MLT2930 | Medical Laboratory Technology Seminar | 2.00 credits

Clinical correlations, professional issues, updates in Medical Laboratory Technology with student's reports on recent professional journal articles, and the use of microcomputers in the laboratory. Corequisite: MLT2807L, 2809L, 2810L, 2811L.

Course Competencies:

Competency 1: The will demonstrate knowledge, comprehension and application in the discipline of Hematology and Coagulation by:

1. Explaining the principles and practices of Hematology/Coagulation
2. Outlining quality control measures and the statistical concepts used in the Hematology/Coagulation
3. Describing analytical procedures and make critical correlations related to disease states

Competency 2: The student will demonstrate knowledge, comprehension and application in the discipline of Clinical Chemistry by:

1. Explaining the principles and practices of Clinical Chemistry and Urinalysis
2. Outlining quality control measures and the statistical concepts used in Clinical Chemistry and Urinalysis
3. Describing analytical procedures and make critical correlations related to disease states

Competency 3: The student will demonstrate knowledge, comprehension and application in the discipline of Immunohematology by:

1. Explaining the principles and practices of Immunohematology
2. Outlining quality control measures used in Immunohematology
3. Describing analytical procedures and make critical correlations related to patient blood type and transfusion medicine

Competency 4: The student will demonstrate knowledge, comprehension and application in the discipline of Microbiology by:

1. Explaining the principles and practices of Microbiology
2. Outlining quality control measures used in Microbiology
3. Describing analytical procedures and make critical correlations related to disease states

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
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Create strategies that can be used to fulfill personal, civic, and social responsibilities