
SECTION HEADING

MDLT 2370: Clinicals: SIM Medical Microbiology

Description

SIM (Strategic Instruction Model) Microbiology Lab is a review and enhancement of medical microbiology. This is a two-week course held in the student MLT laboratory. This experience enables the students to refine microbiology laboratory techniques and apply knowledge to work in the microbiology department at an entry-level position. In addition, the student will continue their education in Microbiology in MDLT 2330 Clinical: Medical Microbiology. Prerequisites: MDLT 2106, MDLT 2110, MDLT 2120, and MDLT 2101.

Credits

2

Prerequisite

MDLT 2102, MDLT 2106, MDLT 2110, and MDLT 2120

Corequisite

None

Topics to be Covered

1. Medical Microbiology in Clinical setting

Learning Outcomes

1. Collect, process, and analyze biological specimens.
2. Perform routine clinical laboratory tests in medical microbiology.
3. Perform pre-analytical, analytical, and post-analytical processes.
4. Perform mathematical calculations related to all areas of the clinical laboratory.
5. Perform problem solving and troubleshooting techniques for laboratory methodologies.
6. Correlate laboratory test results with patient diagnosis and treatment.
7. Perform quality assessment within the clinical laboratory; recognize factors which interfere with analytical tests and take appropriate actions.
8. Demonstrate professional interpersonal, oral, and written communications skills sufficient to serve the needs of patients and the public including an awareness of how diversity may affect the communication process.
9. Apply basic scientific principles in learning new techniques/procedures; demonstrate application of principles and methodologies.

Credit Details

Lecture: 0

Lab: 0

OJT: 2

MnTC Goal Area(s): None