DEPT. MDLT  
COURSE NUMBER:  2370

NUMBER OF CREDITS:  2  
Lecture:  0 Lab:  0  OJT:  2

Course Title:
Clinicals: SIM Medical Microbiology

Catalog 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 or Necessary Entry Skills/Knowledge:
MDLT 2106, MDLT 2110, MDLT 2120, and MDLT 2102.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
□ Goal 1: Communication: By meeting the following competencies:
□ Goal 2: Critical Thinking: By meeting the following competencies:
□ Goal 3: Natural Sciences: By meeting the following competencies:
□ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
□ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
□ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
□ Goal 7: Human Diversity: By meeting the following competencies:
□ Goal 8: Global Perspective: By meeting the following competencies:
□ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
□ Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
Medical Microbiology in Clinical setting

Student Learning Outcomes
Collect, process, and analyze biological specimens.
Perform routine clinical laboratory tests in medical microbiology.
Perform pre-analytical, analytical, and post-analytical processes.
Perform mathematical calculations related to all areas of the clinical laboratory.
| Perform problem solving and troubleshooting techniques for laboratory methodologies. |
| Correlate laboratory test results with patient diagnosis and treatment. |
| Perform quality assessment within the clinical laboratory; recognize factors which interfere with analytical tests and take appropriate actions. |
| 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. |
| Apply basic scientific principles in learning new techniques/procedures; demonstrate application of principles and methodologies. |

**Is this course part of a transfer pathway:** Yes ☐ No ☒

*If yes, please list the competencies below*

Revised Date: 3/29/2022