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## SECTION HEADING

### MDLT 2101: Medical Microbiology II

#### Description

Medical Microbiology II is the continuation of Medical Microbiology I. This course focuses on the study and identification of bacteria, parasites, viruses, and fungi. The student will be performing basic laboratory procedures in bacteria and fungi identification. The student will also be reviewing laboratory procedures that was taught in Microbiology I.

#### Credits

3

#### Prerequisite

MDLT 1105

#### Corequisite

None

#### Topics to be Covered

1. Gram positive bacilli of medical importance
2. Spirochetes, Curviform bacteria, Chlamydia, Mycoplasma, Mycobacterium
3. Fungi, yeast, viruses, and parasites of medical importance

#### Learning Outcomes

1. Properly and safely collect and handle specimens using sterile technique.
2. Discuss correct microscopic morphology, colonial morphology and biochemical tests to identify bacteria, yeast, and fungi.
3. Correlate bacteria, yeast, fungi, parasite, and virus to disease/condition.
4. Understand antibiotic testing.
5. Perform microbiology tests, including those performed in Microbiology I.
6. Describe the basic aspects of fungal classification and morphology, diagnosis, and disease production.
7. Know fundamental concepts of parasitology and viruses and the technical vocabulary used in the field.
8. Discuss Chlamydia, mycoplasma, and mycobacterium including mode of transmission, and diseases.
9. Describe the best prevention and treatment of bacteria, fungi, viruses, and parasites.

#### Credit Details

Lecture: 2

Lab: 1

OJT: 0

MnTC Goal Area(s): None