

Medical Microbiology

Local Course #: 0

State Course ID: 13020700

Course Description:

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit.

Link to TEKS:

[https://texas-sos.appianportalsgov.com/rules-and-meetings?\\$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F05%2F2025&recordId=225576](https://texas-sos.appianportalsgov.com/rules-and-meetings?$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F05%2F2025&recordId=225576)

First 9 Weeks Major Topics:

Introduction to Medical Microbiology, Introduction to Laboratory, Differential Testing

Second 9 Weeks Major Topics:

Differential Testing, Antibiotics, Virulence Factors, Aerobic Gram Positive Cocci, Aerobic Gram Positive Rods

Third 9 Weeks Major Topics:

Fastidious Gram Negative Cocci, Fastidious Gram Negative Rods, Enterobacteriaceae, Fermentative Bacteria, Non-fermentative Bacteria

Fourth 9 Weeks Major Topics:

Anaerobes, Virology, Mycology, Parasitology