BIOL2267 - Medical Microbiology

Credits:	3 (3/0/0)
Description:	Meets MnTC Goal Area 3. This course is the study of the structure and the classification of bacteria, viruses, parasites and fungi of medical importance. It emphasizes the transmission of disease agents, signs and symptoms, immunology, immunization, control of microbial growth, specimen collection/transport, methods of identification and antimicrobial resistance. This lecture course includes lab-like components.
Prerequisites:	• Assessment into ENGL 1101.
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Evaluate host-microbe interactions. 2. Investigate the diversity of microorganisms. 3. Recommend methods to prevent the transmission of infectious diseases. 4. Discuss the immune response and the effectiveness of vaccination in disease prevention. 5. Identify the most common disease agents of medical importance using signs and symptoms. 6. Assess methods and limitations of antimicrobial agents to control pathogenic microorganisms in humans. 7. Evaluate the importance of proper patient specimen collection and transport. 8. Evaluate the importance of using aseptic technique and Standard Precautions in the medical setting. 9. Summarize the epidemiology of infectious disease agents. 10. Diagnose disease agents using case studies, laboratory simulations, or outbreak investigations.
MnTC goal areas:	3. Natural Sciences

**Can be taking as a Prerequisite or Corequisite.*

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