

# BI 234 : Microbiology

Lecture, recitation, and laboratory cover: bacterial identification, morphology, metabolism and genetics; bacterial, viral, and parasitic relationships with human health and disease; and basic immunology. Laboratory stresses aseptic technique, bacterial identification and physiology using a variety of media, culturing techniques, and staining techniques.

**Credits** 5

**Prerequisites**

BI 112 or (BI 211 and BI 212) may be accepted.

**Subject**

[Biology](#)

**Course Outcomes**

Upon successful completion students should be able to:

- Relate an understanding of the basic principles of microbiology to personal health and use this understanding to make informed personal and professional decisions.
- Use an understanding of the impact of microbes on human cultures around the world both historically and in the present day to evaluate current social health issues.
- Use scientific methods to quantitatively describe microbial characteristics and processes and understand their relationship to the identification of microbial species.
- Use an understanding of research and laboratory experiences to organize, evaluate, and present data and information to illustrate and articulate basic microbiology concepts.

**Prerequisite Courses**

[BI 112](#)

[BI 211](#)

[BI 212](#)