

# BIOL 103: Introduction to Research

Research experience is a significant advantage for students hoping to obtain internships, fellowships, undergraduate admission, or graduate/professional school admission. This course will serve as a first introduction to research, covering basic scientific knowledge and best-practices for impactful research. This course will also include seminars/lectures from prominent scientists, including those from underrepresented groups in STEM fields. By the end of the course, students will have proposed and designed a research project. Successful completion of this course will increase preparedness for research opportunities and increase the quality of applications submitted to various educational programs.

## Learning Objectives

- Understand the theory behind common biomedical laboratory techniques and identify pitfalls of each method.
- Critically analyze problems using their knowledge of experimental design, and subsequently design basic experiments.
- Develop their own research interests and communicate these ideas through written and oral presentations.

**Credits:** 2

**Class Type:** Graduate Course

**Program:** Biology, Genetics, and Medicine

**Availability** Currently Not Available