

DEPARTMENT OF MICROBIOLOGY

Add research courses:

MICR 401R – Undergraduate Research in Microbiology

3 Credit Hours

Research experience in laboratory of faculty member.

Registration Restriction(s): Minimum student level – junior.

Registration Permission: Consent of instructor and department head.

MICR 402R – Advanced Undergraduate Research in Microbiology

4 Credit Hours

Supervised research. May be taken to satisfy honors thesis.

(RE) Prerequisite(s): 401.

Registration Restriction(s): Minimum student level – junior.

Registration Permission: Consent of instructor and department head.

Add new courses:

MICR 479 – Advanced Techniques in Nucleic Acid Sequencing

3 Credit Hours

Capstone, student-driven research experience. Introduction to nucleic acid isolation, sample preparation, traditional and high-throughput sequencing technologies and data analysis. Emphasis on oral presentations and written reports.

(RE) Prerequisite(s): Biology 220, 229, and 240.

Recommended Background: Microbiology 321 and 329.

Registration Restriction(s): Minimum student level – senior.

MICR 679 – Advanced Techniques in Nucleic Acid Sequencing

1-3 Credit Hours

Theory and implementation of experimental and computational techniques for obtaining and processing nucleic acid sequence data. Emphasis on oral presentations and written reports. Combined lecture/lab format.