

MICROBIOLOGY (MIB)

Graduate Studies

Graduate-level Microbiology (MIC) courses are being discontinued & replaced by Microbiology (MIB) (p. 1) courses.

For more information, contact your advisor.

MIB 200A – Microbial Biology (3 units)

Course Description: Designed to provide an overview of various aspects of microbiology and microbial processes. Topics will include microbial genetics and genomics, microbial metabolism, signaling, and adaptations.

Prerequisite(s): MIC 102; or equivalent; prior coursework in Microbiology.

Learning Activities: Lecture 3 hour(s).

Grade Mode: Letter.

MIB 201L – Advanced Microbiology Laboratory

Rotations (5 units)

Course Description: Two five-week assignments in microbiology research laboratories. Individual research problems with emphasis on methodological/procedural experience and experimental design.

Learning Activities: Laboratory 15 hour(s).

Repeat Credit: May be repeated 2 time(s).

Grade Mode: Letter.

MIB 210 – Microbial Interactions (2 units)

Course Description: Analysis at the molecular level of the interactions of microbes with the environment, microbes with other microbes, and microbes in symbiotic and/or pathogenic associations with eukaryotic hosts. Topics discussed will vary.

Prerequisite(s): MIB 200A; or consent of instructor.

Learning Activities: Lecture 2 hour(s).

Repeat Credit: May be repeated 2 time(s).

Grade Mode: Letter.

MIB 262 – Advanced General & Molecular Virology (2 units)

Course Description: Advanced integrated presentation of animal, bacterial, and plant viruses, including their structure, modes of regulation, expression and replication, and effects on host cells and organisms.

Prerequisite(s): MMG162 or MIC162 or MM I177 or equivalent; or consent of instructor.

Learning Activities: Lecture/Discussion 2 hour(s).

Credit Limitation(s): No credit to students who have previously completed MIC 262.

Grade Mode: Letter.

MIB 290C – Advanced Research Conference (1 unit)

Course Description: Presentation and critical discussion of staff research activities. Designed for advanced graduate students.

Prerequisite(s): Graduate standing and/or consent of instructor.

Learning Activities: Discussion 1 hour(s), Conference 1 hour(s).

Repeat Credit: May be repeated.

Grade Mode: Satisfactory/Unsatisfactory only.

MIB 298 – Group Study (1-5 units)

Course Description: Directed reading and discussion on select topics.

Prerequisite(s): Consent of instructor.

Learning Activities: Variable 1-5 hour(s).

Repeat Credit: May be repeated when topic differs.

Grade Mode: Satisfactory/Unsatisfactory only.

MIB 299 – Research (1-12 units)

Course Description: Research under the guidance of dissertation committee.

Learning Activities: Variable.

Grade Mode: Satisfactory/Unsatisfactory only.