MICROBIOLOGY, IMMUNOLOGY, AND TROPICAL MEDICINE (MICR)

Explanation of Course Numbers

- Courses in the 1000s are primarily introductory undergraduate courses.
- Those in the 2000s to 4000s are upper-division undergraduate courses that can also be taken for graduate credit with permission and additional work.
- Those in the 6000s and 8000s are for master’s, doctoral, and professional-level students.
- The 6000s are open to advanced undergraduate students with approval of the instructor and the dean or advising office.

A comprehensive course examining the strategies parasites use to infect their hosts, how they survive and thrive within their host, and the developmental adaptations they use to ensure transmission of their offspring to the next host. Prerequisites: BISC 2339 or permission of the instructor.

MICR 6236. Fdmntls/Geonomics&Proteomics I. 2-3 Credits.
Same as Bioc 6236.

MICR 6237. Fdmntls/Geonomics&Proteomics II. 2 Credits.
Same as Bioc 6237.

MICR 6292. Tropical Infectious Diseases. 2 Credits.
Lecture course. Pathogenesis, natural history, and epidemiology of the major infectious diseases that occur in developing countries.

MICR 6293. Special Topics. 1-12 Credits.
Selected topics in microbiology. May be repeated for credit provided the topic differs.

MICR 6294. Research-Clinical Microbiology. 3 Credits.

MICR 6295. Research. 1-12 Credits.

MICR 8210. Infection and Immunity. 3 Credits.
An introduction to the fields of virology, bacteriology, and parasitology, as well as the main concepts of immune response.

MICR 8230. Molecular and Cellular Immunology. 3 Credits.
Major aspects of immunology, including T and B cell effector function, innate immune cell function, mucosal immunology, and immune regulation. Prerequisites: MICR 8210 or other similar introductory immunology course or with approval of staff.

MICR 8270. Advanced Topics in Immunology. 3 Credits.
Seminar series on topics chosen jointly by students and faculty; students present and critique original manuscripts. May be repeated for credit. Prerequisite: MICR 8210, MICR 8230, or approval of staff.

MICR 8998. Advanced Reading and Research. 1-12 Credits.
May be repeated for credit. Restricted to doctoral candidates preparing for the general examination.

MICR 8999. Dissertation Research. 3-12 Credits.
May be repeated for credit. Restricted to doctoral candidates.