

Microbiology, Molecular Genetics, and Immunology

Presentations in bacteriology, virology, immunology, microbial genetics, microbial physiology, and mycology with emphasis on cell biology and pathophysiology of infectious diseases of humans.

MBIO 850. Microbiology. 9 Credits.

The course presents microbial physiology and microbial genetics with emphasis on the molecular biology of microorganisms; Immunology with emphasis on the defense mechanism, immune regulation and immunogenetics and selected coverage of etiologic agents of infection in bacteriology, parasitology, mycology, and virology. Lectures, small group conferences and tutorials. (Same as MICR 850.) Prerequisite: ATMY 820, cell and tissue biology, BIOC 800, and PHYS 800.

MBIO 910. Advanced Topics in Microbiology. 4 Credits.

Students will work with individual instructors in directed study or laboratory work. Offered in modules I-VIII.

MBIO 911. Research in Microbiology, Molecular Genetics, and Immunology. 3-16 Credits.

Students will participate in research projects supervised by faculty members of the Department. Participants will be expected to conduct an individual research project, compile and interpret data, and communicate results and conclusions in a written or oral form. Student evaluations will be based on the supervisor's assessment of written and/or oral research reports. Offered in modules I-XII. Prerequisite: MBIO 850.