

200 Series. Graduate courses are listed under *Biology*.

MICROBIOLOGY (Micro)

20. Basics of Microbiology (2)

Not open to biology majors. Prerequisite: Chem 2A-B or 2A-C, Bot 1 or 10, or Phy 65. Introduction to the organisms constituting the field of microbiology; principles and selected practical applications.

21. Microbial Applications (3)

Not open to biology majors. Prerequisite: Micro 20 or concurrent registration. Foundation principles. Specific microbial applications pertinent to the enrollees. (1 lecture, 6 lab hours)

91. Principles of the Microbial World (3) (Former Micro 101)

Prerequisite: Bot 1 and Zool 1. A study of microbial cells and their functions; particular emphasis on characterization and study of microorganisms from natural environments; uniculture and multicuture techniques emphasized. (2 lecture, 3 lab hours)

104. Microbiology (5)

For majors. Prerequisite: organic chemistry; Bot 10 or 1. Morphological and physiological consideration of the Schizomycetes and selected unicellular Eumycetes; techniques, illustration of principles, and determinative bacteriology in the laboratory. (3 lecture, 6 lab hours)

112A. Clinical Microbiology (5)

Prerequisite: Micro 104. Serological principles and procedures; an intensive study of the more important viral and parasitic etiological agents of human infections with emphasis on their diagnosis. (3 lecture, 6 lab hours)

112B. Clinical Microbiology (5)

Prerequisite: Micro 104. An intensive study of the more important bacterial and mycotic etiological agents of human infections with emphasis on their diagnosis. (3 lecture, 6 lab hours)

117. Immunobiology (4)

Prerequisite: Micro 104. Systemic and cellular biology of innate and specific immune response; illustration of principles and technique development in the laboratory. (2 lecture, 6 lab hours)

118. Bacteriology of Human Disease (3)

Prerequisite: Micro 104, 117. Bacterial, etiological agents of human disease. (2 lecture, 3 lab hours)

150. Medical Mycology (2)

Prerequisite: Micro 112A, 112B, or permission of instructor. Morphology, physiology, and principles of pathogenicity of selected fungal agents of human and animal disease. (1 lecture, 3 lab hours).

160T. Topics in Microbiology (1-4; max total 4)

Prerequisite: permission of instructor. Investigation of selected areas in microbiology.

161. Microbial Physiology (4)

Prerequisite: Micro 104. Structure and physiological functions in the microbial cell. (2 lecture, 6 lab hours)

185. Virology (2)

Prerequisite: college biology and organic chemistry. Structure and composition of viruses; biology and chemistry of viral replication.

189. Microbial Genetics (4)

Prerequisite: Biol 120. The nature of genetic information, its mutation, transfer, and recombination in microbial cells. (2 lecture hours, 6 lab hours)