BIOM - BIOLOGY: MICRO

BIOM 208 Applied Brewing Microbiology. 3 Credits
Term Typically Offered: Fall
Introduces the fundamental aspects of yeast fermentation and microbiology relevant to brewing. Some basic microbiological principles will be presented, followed by explanations of the various brewing/quality-impacting processes brought about by biological activity, as well as means of monitoring the brewing process. This course includes laboratory exercises.
Department: Sciences - Biology & Phys Sci

BIOM 250 Microbiology for Hlth Sciences. 3 Credits
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): One General Education course chosen from the Life Sciences category or BIOH 201.
Recommended: CHMY 123 and BIOH 301. Surveys the fundamental principles of microbiology, while emphasizing the relationship of microorganisms to infectious disease. Designed as an introductory course in microbiology for nurses and health-related majors. Lab optional.
Lecture Hours 3
Department: Sciences - Biology & Phys Sci

BIOM 251 Microbiology Hlth Sciences Lab. 1 Credit
Term Typically Offered: Fall, Spring
Corequisite(s): BIOM 250.
Emphasizes techniques for the isolation, identification and control of microorganisms. The lab is intended for allied health science students requiring an introductory microbiology laboratory.
Lab Hours 1
Department: Sciences - Biology & Phys Sci

BIOM 360 General Microbiology. 3 Credits
Term Typically Offered: Fall
Prerequisite(s): BIOB 260, BIOB 261, two years of Chemistry.
Corequisite(s): BIOM 361.
Introduces the anatomy, physiology, metabolism and genetics of bacteria and viruses. Surveys the roles of microorganisms in industrial and environmental microbiology as well as infectious disease.
Lecture Hours 3
Department: Sciences - Biology & Phys Sci

BIOM 361 General Microbiology Lab. 1 Credit
Term Typically Offered: Fall
Corequisite(s): BIOM 360.
Emphasizes fundamental techniques for the isolation, manipulation and identification of bacteria. An experimental approach is used to solving problems in microbiology.
Lab Hours 1
Department: Sciences - Biology & Phys Sci

BIOM 400 Medical Microbiology. 3 Credits
Term Typically Offered: Spring (even years)
Prerequisite(s): BIOM 250 or BIOM 360.
Includes a study of pathogenic microorganisms and the diseases they cause. Pathogenic mechanisms, host resistance, control and epidemiology of the major bacterial, viral, fungal and protozoan diseases are discussed. Lab optional.
Lecture Hours 3
Department: Sciences - Biology & Phys Sci

BIOM 401 Medical Microbiology Lab. 1 Credit
Term Typically Offered: Spring (even years)
Prerequisite(s): BIOM 251 or BIOM 361.
The laboratory emphasizes diagnostic methods and culturing techniques.
Lab Hours 1
Department: Sciences - Biology & Phys Sci

BIOM 427 General Parasitology. 2 Credits
Term Typically Offered: Spring (odd years)
Prerequisite(s): BIOB 260, BIOB 375.
Studies the life cycles, biochemistry, molecular parasitology, pathogenesis, identification and treatment of the major parasitic groups, including parasitic protozoa, monogeneans, digeneneans, cestodes, nematodes, acanthocephalans, and parasitic arthropods.
Lecture Hours 2
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BIOM 491 Special Topics. 1-12 Credits
Prerequisite(s): determined as needed.
Provides students with an opportunity to take courses not required in any curriculum for which there is a particular need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.
Department: Sciences - Biology & Phys Sci