

MB - Microbiology

MB 538. Cell & Molecular Biol. 2 Credits. Su

PREREQUISITE: BIOM 360, BCH 380 or BIOL 402, MB 536, or the equivalent.
COREQUISITE: Graduate standing or petition approval from the Vice Provost of Graduate Education. An inquiry-based laboratory in prokaryotic and eukaryotic C&MB provides training in microbiological techniques: recombinant DNA, phylogenetic analyses, growth, cell cycle regulation, gene expression, protein purification, and immunoassays. Current literature and laboratory discussions cover molecular approaches for investigating complex cellular mechanisms.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11058	001	Non-standard term dates 18-MAY-20 07-AUG-20	MTWRF	LEWIS201	8:00am - 5:00pm

MB 540. Environmental Microbiology. 3 Credits. (3 Ind) F

PREREQUISITE: MB 536 and MB 541 or equivalent course. COREQUISITE: BS in biology or equivalent; Graduate standing or petition approval from the Vice Provost of Graduate Education. Biotechnology, industrial microbiology, antimicrobial chemotherapy, public health, epidemiology, climate change, food water, wastewater, extreme environments, space travel, biodegradation, bioremediation and bioaugmentation. Ideal for middle/high school/college teachers, and others in education/outreach, e.g., museums, zoos, National Parks, nature preserves, environmental health.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10802	801	Intersession	-	ONLINEWEB-	

MB 541. Microbial Genetics. 3 Credits. (3 Lec) Su alternate years, to be offered odd years.

Prokaryotes provide much of the understanding of fundamental genetics for all organisms, especially through in vivo and in vitro genetic tools. Transcription, translation, mutation and recombination are considered, so that science teachers understand fundamentals of genetics. This course is intended for practicing teachers and those in the MSSE program.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10843	801	Intersession	-	-	-

MB 591. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand

PREREQUISITE: Upper division courses and others as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11135	002	First Half Session	-	-	-
2020 Summer Semester	10850	001	First Half Session	-	-	-

MB 594. Seminar. 1 Credit. (1 Sem; 4 cr max) F,S

PREREQUISITE: Graduate standing or seniors by petition. Course prerequisites as determined for each offering. Topics offered at the graduate level which are not covered in regular courses. Students participate in preparing and presenting discussion material. There are separate sections for departmental seminar, general/environmental and biomedical microbiology journal clubs and graduate reading; consult the.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10937	001	Full Semester	-	-	-

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.