

Curriculum Maps

Year: 2013

Department: MICR

Program: Microbiology and Immunology Ph.D.

Required General Courses

Course Number	Course Title	Course Type	Communication Skills	Experimental Design	General Knowledge of Science	Problem Solving Skills
BIOC-530	Mod 1: Protein Struct & Func	R	0	1A	3A	1A
BIOC-531	Mod 2: Basic Metabolism	R	0	1A	3A	1A
BIOC-532	Mod 3: Central Dogma of Molec	R	0	1A	3A	1A
BIOC-533	Mod 4: Lipids/Membranes & Bio	R	0	1A	3A	1A
BIOC-691	Critical Thinking	R	2A	1A	3A	1A
IBMS-600	Laboratory Safety	R	0	0	1	0
IBMS-610	Meet the Laboratory	R	0	0	1	0
IBMS-620	Laboratory Rotations	R	3A	3A	3A	3A
IBMS-680	Proposal Preparation	R	3A	3A	3A	3A
OVPR-601	Scientific Integrity	R	2	2	0	2A

Required Courses

Course Number	Course Title	Course Type	Communication Skills	Experimental Design	General Knowledge of Science	Problem Solving Skills
MICR-504	Biochemistry, Cell and Molecular Biology	R	0	0	2A	2A
MICR-505	Immunobiology	R	0	2	2	1
MICR-515	Principles of Molecular Microbiology	R	2	0	3A	3A
MICR-690	Research Seminar	R	3A	3A	3A	3A
MICR-697	Directed Research in Microbiology	R	2A	2A	2	2

Common Elective Courses

Course Number	Course	Course Type	Communication Skills	Experimental Design	General Knowledge of Sciences	Problem Solving Skills
MICR-605	Prokaryotic Molecular Genetics	E	3A	3A	3A	3A
MICR-607	Techniques in Molecular Biology and Genetics	E	2	2A	3A	3A
MICR-616	Mechanisms of Viral and Parasite Pathogenesis	E	0	2A	3A	3A
MICR-618	Molecular Mechanisms of Bacterial Pathogenesis	E	2	2	2A	2A
MICR-653	Advanced Molecular Genetics: Bioinformatics	E	0	1	1	2
MICR-684	Molecular Biology of Cancer	E	2A	2A	3A	3A
MICR-686	Advanced Immunology	E	3	2	2	3
MICR-691	Special Topics in Microbiology	E	2	0	3	0
MICR-692	Current Topics in Molecular Pathogenesis	E	3A	3A	3A	3A
MICR-693	Topics in Molecular and Biology Genetics	E	3A	3	3	3
MICR-694	Current Topics in Immunology	E	3A	3A	3A	3A
MICR-695	Special Topics in Microbiology	E	1	0	0	0

0 - Does not teach this outcome

1 - Introduces students to this outcome

2 - Gives students opportunities to practice this outcome

3 - Provides students opportunities to demonstrate mastery of this outcome

A - Data to assess student learning are collected