

MICROBIOLOGY - GRADUATE (MIIM)

MIIM 7010 Seminar Microbiol,Immun (1,2)

MIIM 7020 Graduate Journal Club (1,2)

MIIM 7030 Topics in Microbiology (1-3)

MIIM 7050 Thesis Research Design (2)

MIIM 7065 Scientific Writing (2)

This course is for students in the Master of Science Program in Microbiology and Immunology who have chosen the thesis track for completion of their degree. This course will guide students through the scientific writing process, with a focus in the field of biomedical science. In doing so, students will be expected to critically analyze scientific literature in the fields of microbiology and immunology. Weekly sessions will focus on the scientific writing process, critical analysis of published literature, slide presentation preparation, and providing constructive feedback as a reviewer.

Prerequisite(s): MIIM 7050.

MIIM 7100 Clincl Cases & Underlying Mech (2)

Prerequisite(s): MIIM 7600 and 7500.

Prerequisite(s): MIIM 7600 and 7500.

MIIM 7120 Advanced Virology (4)

Prerequisite(s): MIIM 7500.

Prerequisite(s): MIIM 7500.

MIIM 7150 Dynamics Immuno & Microb Inter (3)

MIIM 7210 Special Problems (1-5)

MIIM 7220 Advanced Research Methods (1-4)

MIIM 7250 Vaccine Biology (3)

MIIM 7310 Research (1-10)

MIIM 7320 Research (1-10)

MIIM 7400 Responsible Conduct-Biomed Rsh (2)

MIIM 7500 Graduate Microbiology (4)

MIIM 7550 Microbiology Laboratory (3)

MIIM 7600 Medical Immunology (3)

MIIM 7620 Advanced Immunology (3)

Advanced Immunology

MIIM 7720 Medical Mycology (3)

MIIM 7750 Medical Parasitology (3)

MIIM 7790 Advanced Methods in Molecular Biology (2)

This course is designed to introduce graduate students to the advanced and most recently developed methods and techniques in Molecular Biology. We will focus on recent new methods and technologies, including Gibson Cloning, DNA- and RNA guided CRISPR, Proximity Ligation, and Single Cell Sequencing etc., as well as the software tools and public databases for gene analysis and project design. Students need to have learned basic molecular biology or taken courses like Advanced Cell Biology (BMSP 6070), Genetics (EPID 6070 or GBCH 7170), or Methods in Biochemistry (GBCH 7580).

MIIM 7810 Special Topics (1-2)

Maximum Hours: 99

MIIM 8100 Viral Pathogenesis Jrnl Club (2)

MIIM 9970 Master's Thesis (1-2)

Master's Thesis

Course Limit: 2

MIIM 9980 Master's Research (2)

Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

MIIM 9990 Dissertation Research (0)

Course may be repeated up to unlimited credit hours.

Maximum Hours: 99