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.

Prerequisite(s): MIIM 7050.

MIIM 7100  Clincl Cases & Underlying Mech  (2)
Prerequisite(s): MIIM 7600 and 7500.

Prerequisite(s): MIIM 7600 and 7500.

MIIM 7220  Advanced Virology  (4)
Prerequisite(s): MIIM 7500.

Prerequisite(s): MIIM 7500.

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  Viral Pathogenesis Jnl Club  (2)

Maximum Hours: 99

MIIM 7870  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