The Department of Microbiology and Immunology offers courses to medical laboratory technology, (MLT) students as well as nursing, medical, and graduate students. It offers a graduate program leading to the MS degree in microbiology and immunology. The requirements for admission to the graduate program are stated on pages 32–45 of this catalogue.

**MBIM 223  Parasitology for MLT Students**  
39.39; 4 cr.  
Second semester.

**MBIM 227  Microbiology and Immunology for Medicine II**  
108.72; 9 cr.  
A course on the fundamental aspects of basic and medical microbiology and immunology presented in four separate but interrelated divisions: immunology, bacteriology, parasitology-mycology, and virology. First semester.

**MBIM 237  Microbiology and Immunology for Nursing Degree Students**  
32.64; 3 cr.  
A course on the fundamental aspects of medical microbiology and immunology for nursing students. Second semester.

**MBIM 260  Elective in Infectious Diseases for Medicine III and IV**  
0.180.  
A course on basic evaluation, diagnosis, and management of infectious diseases. One month.

**MBIM 261  Elective in Immunology for Medicine III and IV**  
0.180.  
A course that is an introduction to immunological research and its application to clinical practice. One month.

**MBIM 310  Basic Immunology**  
32.32; 3 cr.  
A course on innate and adaptive immune mechanisms, infection and immunity, vaccination, immune mechanisms in tissue injury, therapeutic immunology. Second semester.
MBIM 311  Bacteriology  32.32; 3 cr.
A course on the characteristics and classification of medically important bacteria, diseases caused by bacteria, anti-bacterial agents, susceptibility testing, prophylaxis, and therapy. *Second semester.*

MBIM 312  Parasitology-Mycology  16.32; 2 cr.
A course on the characteristics of medically important parasites and fungi, diseases caused by parasites and fungi, anti-parasitic and anti-fungal agents, prophylaxis, and therapy. *Second semester.*

MBIM 313  Virology  16.32; 2 cr.
A course on the characteristics and classification of medically important viruses, diseases caused by viruses, anti-viral agents, prophylaxis, and therapy. *Second semester.*

MBIM 314  Tutorial in Immunology  32.0; 2 cr.

MBIM 315  Tutorial in Bacteriology  32.0; 2 cr.

MBIM 316  Tutorial in Virology  32.0; 2 cr.

MBIM 317  Tutorial in Parasitology-Mycology  32.0; 2 cr.

MBIM 326  Applied and Advanced Immunology  32.64; 3 cr.
A course on immunological diseases and their laboratory diagnosis. *Prerequisite: MBIM 301 or MBIM 310. Second semester. Alternate years.*

MBIM 327  Applied and Advanced Medical Bacteriology  32.64; 3 cr.

MBIM 328  Applied and Advanced Parasitology  32.64; 3 cr.

MBIM 329  Applied and Advanced Virology  32.64; 3 cr.

MBIM 330  Molecular Microbiology  32.64; 3 cr.
A course on molecular applications on the identification of infectious agents. *Second semester. Alternate years.*

MBIM 331  Infection Control  16.0; 1 cr.
A treatise on the prevention of infections in the laboratory. *Second semester.*

MBIM 390  Seminar  0.32; 1 cr.
*Yearly.*

MBIM 394  Journal Club  0 cr.
*Yearly.*

MBIM 399  MS Thesis  9 cr.