The Department of Microbiology and Immunology offers courses to medical laboratory technology (MLT), 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 32–46 of this catalogue.

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

**MBIM 227**  
Microbiology and Immunology for Medicine II  
First semester.  
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  
Second semester.  
32.64; 3 cr.

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.  
Basic evaluation, diagnosis, and management of infectious diseases. *One month.*

**MBIM 261**  
Elective in Immunology for Medicine III and IV  
0.180.  
An introduction to immunological research and its application to clinical practice. *One month.*

**MBIM 310**  
Basic Immunology  
Second semester.  
32.32; 3 cr.

Innate and adaptive immune mechanisms, infection and immunity, vaccination, immune mechanisms in tissue injury, therapeutic immunology.

**MBIM 311**  
Bacteriology  
Second semester.  
32.32; 3 cr.

Characteristics and classification of medically important bacteria, diseases caused by bacteria, anti-bacterial agents, susceptibility testing, prophylaxis, and therapy.

**MBIM 312**  
Parasitology-Mycology  
16.32; 2 cr.

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.

Characteristics and classification of medically important viruses, diseases caused by viruses, antiviral 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  
Second semester.  
Alternate years.  
32.64; 3 cr.

Immunological diseases and their laboratory diagnosis. Prerequisite: MBIM 301 or MBIM 310.

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


**MBIM 328**  
Applied and Advanced Parasitology  
Alternate years.  
32.64; 3 cr.


**MBIM 329**  
Applied and Advanced Virology  
Alternate years.  
32.64; 3 cr.


**MBIM 330**  
Molecular Microbiology  
Alternate years.  
32.64; 3 cr.


**MBIM 331**  
Infection Control  
16.0; 1 cr.

A treatise on the prevention of infections in the laboratory. *Second semester.*

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

**MBIM 394**  
Journal Club  
Yearly.  
0 cr.

**MBIM 399**  
MS Thesis  
9 cr.