

Department of Microbiology and Immunology

Chairperson:	Abdelnoor, Alexander
Emeritus Professor:	Nabbut, Nassim
Professors:	Abdelnoor, Alexander; Matar, Ghassan; Uwaydah, Marwan
Lecturer:	Al-Awar, Ghassan
Associate:	Nassar, Nabil

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 32.64; 3 cr.
for Nursing Degree Students
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. <i>Second semester.</i>		
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. <i>Second semester.</i>		
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. <i>Second semester.</i>		
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. <i>Prerequisite: MBIM 301 or MBIM 310. Second semester. Alternate years.</i>		
MBIM 327	Applied and Advanced Medical Bacteriology	32.64; 3 cr.
A course on the epidemiology, pathogenesis, immune response, diagnosis, and prevention of bacterial infections. <i>Second semester. Alternate years.</i>		
MBIM 328	Applied and Advanced Parasitology	32.64; 3 cr.
A treatise on epidemiology, pathogenesis, immune response, diagnosis, and prevention of parasitic infections. <i>Second semester. Alternate years.</i>		
MBIM 329	Applied and Advanced Virology	32.64; 3 cr.
A treatise on epidemiology, pathogenesis, immune response, diagnosis, and prevention of viral infections. <i>Second semester. Alternate years.</i>		
MBIM 330	Molecular Microbiology	32.64; 3 cr.
A course on molecular applications on the identification of infectious agents. <i>Second semester. Alternate years.</i>		
MBIM 331	Infection Control	16.0; 1 cr.
A treatise on the prevention of infections in the laboratory. <i>Second semester.</i>		
MBIM 390	Seminar	0.32; 1 cr.
<i>Yearly.</i>		
MBIM 394	Journal Club	0 cr.
<i>Yearly.</i>		
MBIM 399	MS Thesis	9 cr.