

Department of Experimental Pathology, Immunology and Microbiology

Chairperson:	Abdelnoor, Alexander
Professor Emeritus:	Nabbut, Nassim
Professors:	Abdelnoor, Alexander; Matar, Ghassan; Sayegh, Mohamed
Assistant Professors:	Al-Awar, Ghassan; Rahal, Elias
Associate:	Nassar, Nabil

The Department of Experimental Pathology, Immunology and Microbiology offers courses to medical laboratory sciences (MLSP) 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 31-42 of this catalogue.

MBIM 223 Parasitology for MLSP 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 and 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>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.