Department of Experimental Pathology, Immunology and Microbiology

Acting Chairperson: Abdelnoor, Alexander
Professor Emeritus: Nabbut, Nassim
Professors: Abdelnoor, Alexander; Khouri, Samia; Matar, Ghassan; Sayegh, Mohamed
Assistant Professors: Al-Awar, Ghassan; Rahal, Elias; Zaraket, Hassan
Instructor: Fawaz, Lama

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 33–72 of this catalogue.

**IDTH 203** The immune System in Health and Disease 37.28; 3 cr.
*See interdepartmental courses.*

**IDTH 205** Microbiology of Infectious Diseases 37.28; 3 cr.
*See interdepartmental courses.*

**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. 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. 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.
A treatise on epidemiology, pathogenesis, immune response, diagnosis and prevention of viral infections. Second semester. Alternate years.

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 395A/B  Comprehensive Exam  0 credit
Prerequisite: Consent of Adviser.

MBIM 399  MS Thesis  9 cr.
A/B/C/D/E