Department of Microbiology and Immunology

Chairperson: Abdelnoor, Alexander
Professor Emeritus: Nabbut, Nassim
Professors: Abdelnoor, Alexander; Matar, Ghassan
Lecturers: Al-Awar, Ghassan, Souccar, Nada
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**  
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.

**MBIM 237**  
**Microbiology and Immunology for Nursing Degree Students**  
Second semester.  
32.64; 3 cr.

A course on the fundamental aspects of medical microbiology and immunology for nursing students.

**MBIM 260**  
**Elective in Infectious Diseases for Medicine III and IV**  
One month.  
0.180.

A course on basic evaluation, diagnosis, and management of infectious diseases.

**MBIM 261**  
**Elective in Immunology for Medicine III and IV**  
One month.  
0.180.

A course that is an introduction to immunological research and its application to clinical practice.

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

A course on 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.

A course on the characteristics and classification of medically important bacteria, diseases caused by bacteria, anti-bacterial agents, susceptibility testing, prophylaxis, and therapy.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>MBIM 312</td>
<td>Parasitology-Mycology</td>
<td>16.32; 2 cr.</td>
<td>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.</td>
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<tr>
<td>MBIM 313</td>
<td>Virology</td>
<td>16.32; 2 cr.</td>
<td>A course on the characteristics and classification of medically important viruses, diseases caused by viruses, anti-viral agents, prophylaxis, and therapy. Second semester.</td>
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<tr>
<td>MBIM 314</td>
<td>Tutorial in Immunology</td>
<td>32.0; 2 cr.</td>
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<tr>
<td>MBIM 315</td>
<td>Tutorial in Bacteriology</td>
<td>32.0; 2 cr.</td>
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<tr>
<td>MBIM 316</td>
<td>Tutorial in Virology</td>
<td>32.0; 2 cr.</td>
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<tr>
<td>MBIM 317</td>
<td>Tutorial in Parasitology-Mycology</td>
<td>32.0; 2 cr.</td>
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<tr>
<td>MBIM 326</td>
<td>Applied and Advanced Immunology</td>
<td>32.64; 3 cr.</td>
<td>A course on immunological diseases and their laboratory diagnosis. Prerequisite: or MBIM 310. Second semester. Alternate years.</td>
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<tr>
<td>MBIM 327</td>
<td>Applied and Advanced Medical Bacteriology</td>
<td>32.64; 3 cr.</td>
<td>A course on the epidemiology, pathogenesis, immune response, diagnosis, and prevention of bacterial infections. Second semester. Alternate years.</td>
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<tr>
<td>MBIM 328</td>
<td>Applied and Advanced Parasitology</td>
<td>32.64; 3 cr.</td>
<td>A treatise on epidemiology, pathogenesis, immune response, diagnosis, and prevention of parasitic infections. Second semester. Alternate years.</td>
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<tr>
<td>MBIM 329</td>
<td>Applied and Advanced Virology</td>
<td>32.64; 3 cr.</td>
<td>A treatise on epidemiology, pathogenesis, immune response, diagnosis, and prevention of viral infections. Second semester. Alternate years.</td>
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<tr>
<td>MBIM 330</td>
<td>Molecular Microbiology</td>
<td>32.64; 3 cr.</td>
<td>A course on molecular applications on the identification of infectious agents. Second semester. Alternate years.</td>
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<td>MBIM 331</td>
<td>Infection Control</td>
<td>16.0; 1 cr.</td>
<td>A treatise on the prevention of infections in the laboratory. Second semester.</td>
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<td>MBIM 390</td>
<td>Seminar</td>
<td>0.32; 1 cr.</td>
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<td>MBIM 394</td>
<td>Journal Club</td>
<td>0 cr.</td>
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<tr>
<td>MBIM 399</td>
<td>MS Thesis</td>
<td>9 cr.</td>
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