

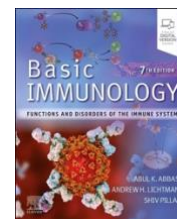
## IMMUNOLOGY 2025/26.

Medical studies in English, 2<sup>nd</sup> year course  
Time: 05.01.2026. – 30.01.2026.

### LITERATURE:

#### **Obligatory:**

Basic Immunology, Functions and Disorders of the Immune System – Abbas A.K, Lichtman A.H., Pillai S. 7<sup>th</sup> edition, Elsevier, 2024.



#### **Recommended (additional) literature:**

Cellular and Molecular Immunology - Abbas A.K, Lichtman A.H., Pillai S. 10<sup>th</sup> edition, Elsevier, 2021.

### EXAM DATES:

| 1 <sup>st</sup> exam date | 2 <sup>nd</sup> exam date | 3 <sup>rd</sup> exam date | 4 <sup>th</sup> exam date |
|---------------------------|---------------------------|---------------------------|---------------------------|
| 29. and 30.01.2026.       | 20. and 21.07.2026.       | 01.09.2026.               | 15.09.2026.               |

**Note:** First exam date consists of a written exam taken on January 29<sup>th</sup> and an oral exam scheduled for January 29<sup>th</sup> and/or 30<sup>th</sup>

**EXAM:** The exam consists of written and oral parts. Students should bring their identification documents to the exam. The test consists of 60 questions. To pass the written exam students must reach a minimum of 60%, and that is the prerequisite for taking the oral exam.

To take the exam, students must attend at least 80% of all teaching classes.

### COURSE PREPARATION:

Students should prepare materials for the seminars in advance.

## TEACHERS AND STAFF

- Prof. dr. sc. Ivana Novak Nakir, course leader  
e-mail: [ivana.novak.nakir@mefst.hr](mailto:ivana.novak.nakir@mefst.hr), tel. 557-880
- Prof. dr. sc. Ivana Marinović Terzić, dr. med.,  
e-mail: [ivana.marinovic.terzic@mefst.hr](mailto:ivana.marinovic.terzic@mefst.hr), tel. 557-880
- Prof. dr. sc. Janoš Terzić, dr. med.  
e-mail: [janos.terzic@mefst.hr](mailto:janos.terzic@mefst.hr), tel. 557-944
- Assoc. prof. dr. sc. Jelena Korać Prlić, Head of the Department  
e-mail: [jelena.korac.prlic@mefst.hr](mailto:jelena.korac.prlic@mefst.hr), tel. 557-892
- Assist. prof. dr. sc. Jasminka Omerović  
e-mail: [jasminka.omerovic@mefst.hr](mailto:jasminka.omerovic@mefst.hr), tel. 557-892
- Sandra Vujević, bacc.med.lab.diag.  
e-mail: [sandra.vujevic@mefst.hr](mailto:sandra.vujevic@mefst.hr), tel. 557-892

## **IMMUNOLOGY AND MEDICAL GENETICS**

15 lectures, 27 seminars, 13 practicals

Groups: 1 lecture, 2 seminars, 6 practicals

### **CURRICULUM:**

#### **Lectures (1 group):**

- L1 (3 hours) – Basic Immunology (Ch 1)
- L2 (2 hours) – Innate Immunity (Ch 2)
- L3 (2 hours) – Cytokines
- L4 (2 hours) – Vaccination.
- L5 (2 hours) – Immunotherapy. Chronic inflammation and cancer.
- L6 (2 hours) – Research methods in immunology.
- L7 (2 hours) – Microbiome. Mucosal immunity.

#### **Seminars (2 groups):**

- S1 (3 hours) – Antigen presentation. MHC. (Ch 3)
- S2 (3 hours) – Antigen recognition. Adaptive immunity. (Ch 4)
- S3 (3 hours) – Cell-mediated immune responses. (Ch 5)
- S4 (2 hours) – Effector mechanisms in cell-mediated immunity (Ch 6)
- S5 (3 hours) – Humoral immune responses. Antibodies. (Ch 7)
- S6 (3 hours) – Effector mechanisms in humoral immunity responses. Complement. (Ch 8)
- S7 (2 hours) – Immunological tolerance. Autoimmunity. (Ch 9)
- S8 (3 hours) – Tumor immunity. Transplantation. (Ch 10)
- S9 (2 hours) – Hypersensitivity. (Ch 11).
- S10 (3 hours) – Congenital and acquired immunodeficiency. (Ch 12). Discussion and problem-solving.

#### **Practicals (6 groups)**

- P1 (3 hours) – Leukocytes
- P2 (3 hours) – Differential blood count. Blood groups.
- P3 (3 hours) – Cell culture. Western blot. IHC.
- P4 (2 hours) – ELISA.
- P5 (2 hours) – Flow cytometry.

Course leader: Prof. dr. sc. Ivana Novak Nakir