

IMMUNOLOGY 2025/26.

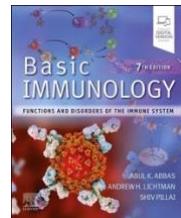
Medical studies in English, 2nd year course
Time: 05.01.2026. – 30.01.2026.



LITERATURE:

Obligatory:

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



Recommended (additional) literature:

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

EXAM DATES:

1 st exam date	2 nd exam date	3 rd exam date	4 th 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 29th and an oral exam scheduled for January 29th and/or 30th

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

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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