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Introduction to Immunology 80210

Prof. Cyrille Cohen and Prof. Mira Barda-Saad

Cohen@biu.ac.il, Barda-Saad@biu.ac.il

Academic year: 2021-2022 Semester: second Hours/credits: 2h/1 credit

Mandatory / elective (mark the relevant) mandatory to the major undergraduate programs, elective to the others

Prerequisites: n/a

Year in program & how often given, if relevant given yearly: .year

Assessment: Coursework and Grade structure: 100% final exam

Week-by-Week content, assignments and reading

Subject #	Subject
1	Basic concepts: antigen, hapten and antigenic site, immunoglobulin
2	Initial and secondary response of the immune system, immunological memory
3	Humoral immune response, cellular immunity
4	Clonal selective theory, forbidden clones
5	Immune tolerance, hypersensitivity and vaccination against self-antigens
6	Cells and organs of the immune system
7	Antigen-antibody reactions for quality, quantity and analytical determination of antigens and antibodies.
8	The hematologic system and the proper development of the blood making system in the bone marrow and plasma cells.
9	Complement system

10	The lymphatic system – development and creation of T, B, NK lymphocytes.
11	MHC, T-cell priming and cytokines
12	Allergies
13	Transplantations
14	Autoimmunity and Cancer Immunology

Required text:
Janeway's Immunobiology.