



Full Syllabus



Course Title

General Immunology Laboratory

Lecturer

Dr. Lior Mayo

Semester

2nd Semester

Course requirements

General Immunology Course (0455.2688) and Molecular Biology Laboratory (0455.2501)

Final grade components

60% laboratory reports , 20% laboratory quiz, 20% instructor evaluation

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
Lab 1	Introduction lecture The humoral response: Antibodies production and purification - Chromatography
Lab 2	Antibodies function- Phagocytosis; short quiz #1
Lab 3A	The cellular response: studying the mitogenic reaction of spleen cells in healthy and tumor-bearing mouse; short quiz #2
3B	Proliferation assay
Lab 4	Enzyme-linked immunosorbent assay; short quiz #3
Lab 5A	Immune cells characterization, complement activation ; short quiz #4
5B	Flow cytometry assay; short quiz #4
Lab 6	Summary lecture

Required course reading

Immunology laboratory booklet

Optional course reading

Immunology -Kuby, chapters 4-6, 9, 13

Comments

Students' attendance is obligatory.
The course consists of 6 laboratories and additional meetings with the instructor.
The course involved with using a mouse cancer model.

*** There may be changes in the number of the labs due to the war in Gaza ***



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