



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% exams, 10% laboratory reports, 30% 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
Lab 3A	The cellular response: studying the mitogenic reaction of spleen cells in healthy and tumor-bearing mouse
3B	Proliferation assay
Lab 4	Enzyme-linked immunosorbent assay, Exam 1
Lab 5A	Immune cells characterization, complement activation
5B	Flow cytometry assay
Lab 6	Summary lecture, Exam 2

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.