

The Hebrew University of Jerusalem

Syllabus

LAB. IN METHODS OF CHROMATOGRAPHY - 73522

Last update 19-06-2018

HU Credits: 1.5

Degree/Cycle: 2nd degree (Master)

Responsible Department: Animal & Veterinary Science

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Orna Halevy

Coordinator Email: orna.halevy@mail.huji.ac.il

Coordinator Office Hours: Bu appointment

Teaching Staff:

Prof Orna Halevy
Mr. Oren Hadaya
Ms.

Course/Module description:

Practice of chromatography methods studied in 73521 (pre-requisite for this course)

Course/Module aims:

To exercise the lab methods

Learning outcomes - On successful completion of this module, students should be able to:

Plan experiments including the chromatography methods
Determine purity level of protein
Solve problems of zone spreading
Solve problems of protein identification

Attendance requirements(%):
100

Teaching arrangement and method of instruction: Self practice
Demonstrations

Course/Module Content:

Practice of
absorption,reverse-phase,ion exchange,gel filtration,chromatographies
Electrophoresis of proteins Western blots and identification by immunoassay.

Required Reading:

Materials of course 73521
Laboratory notes

Additional Reading Material:

Articles

Grading Scheme:

Additional information:

Course 73521- pre-requisite

A short quiz prior the lab

Limited to 25 students

Recommended to first year of MSc students