



The Hebrew University of Jerusalem

Syllabus

LAB. IN METHODS OF CHROMATOGRAPHY - 73522

Last update 23-02-2014

HU Credits: 1.5

Degree/Cycle: 2nd degree (Master)

Responsible Department: Animal Sciences and Veterinary

Academic year: 1

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus:

Course/Module Coordinator: Orna Halevy

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

Coordinator Office Hours: Sunday 9-11

Teaching Staff:

Prof Orna Halevy
Hila Barzilay
Oren Hadaya

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:

ראובן בקדא

Course/Module evaluation:

End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 70 %
Research project 0 %
Quizzes 30 %
Other 0 %

Additional information:

Course 73521- pre-requisite
A short quiz prior the lab
Limited to 25 students
Recommended to first year of MSc students