



The Hebrew University of Jerusalem

Syllabus

Instrumental methods for chemical analysis in geology and environmental sciences. - 70546

Last update 18-11-2018

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: Geology

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof. Alon Amrani

Coordinator Email: alon.amrani@mail.huji.ac.il

Coordinator Office Hours: By appointment

Teaching Staff:

Prof Alon Amrani

Course/Module description:

The course will give the basis for the understanding of instrumental analytical methods Course/Module description

Course/Module aims:

Study Selected Methods in Analytical Chemistry relevant to Earth Sciences

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

At the end of the course, we hope that the students knew to deal with modern instrumentation and understanding the analytical results

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: Lecture and Laboratory

Course/Module Content:

Introduction, chemical statistic, error reduction, instrumentation: ICPMS, ICPAES, AAS, MCICPMS, GCMS, IRMS, GCIRMS

Required Reading:

None

Additional Reading Material:

None

Grading Scheme:

Additional information:

None