



The Hebrew University of Jerusalem

Syllabus

MATHEMATICS METHODS IN CHEMISTRY (5) - 69834

Last update 02-06-2015

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: Chemistry

Academic year: 2022

Semester: 1st Semester

Teaching Languages: English

Campus: E. Safra

Course/Module Coordinator: Prof. Maurice Cohen

Coordinator Email: maurice@fh.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof Eberhard (Hardy Gross)

Course/Module description:

Course/Module aims:

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

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

Required Reading:

Additional Reading Material:

- (1) Lyons, Louis: *Mathematics for Science Students* (Cambridge)
- (2) Boas, Mary L.: *Mathematical Methods for Physical Sciences* (Wiley)/
- (3) Arfken, George: *Mathematical Methods for Physicists* (Academic Press)
- (4) Dettman, John W.: *Mathematical Methods in Physics and Engineering* (McGraw Hill)
- (5) Bender, Carl M. and Orszag, Steven A.: *Advanced Mathematical Methods for Scientists and Engineers* (McGraw Hill International)

Course/Module evaluation:

End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 100 %

Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: