

The Hebrew University of Jerusalem

Syllabus

Physics Lab for Chemistry Students - 69620

Last update 20-09-2023

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Chemistry

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Daniel Strasser

Coordinator Email: strasser@huji.ac.il

Coordinator Office Hours: by email appointment

Teaching Staff:

Prof Daniel Strasser,
Ms. Shira Gigi,
Mr. Yonatan Ossia,
Mr. Noam Levinsky,
Mr. Gil Olgenblum

Course/Module description:

Physics lab for chemistry . The students will perform 3 experiments in mechanics and 3 experiments in electromagnetism and waves.

Course/Module aims:

To consolidate the theoretical physics laws described in physics A and physics B courses by performing and analyzing experiments

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

to perform simple experiments in physics, analyze experimental data and write a report

Attendance requirements(%):

100%

Teaching arrangement and method of instruction: Performing experiments, analyzing data and writing reports

Course/Module Content:

experiments with:
springs
pendulum,
angular momentum

electromagnetic fields
electronics
laser diffraction

Required Reading:

Additional reading materials are provided on the moodle website

Additional Reading Material:

Grading Scheme:

Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 50 %

Mid-terms exams 15 %

Personal Guide / Tutor / Team Evaluation 35 %

Additional information: