



The Hebrew University of Jerusalem

Syllabus

Time: Physics and Philosophy - 15331

Last update 31-08-2024

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Philosophy

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Orly Shenker

Coordinator Email: orly.shenker@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof. Orly Shenker

Course/Module description:

What is time? if you don't ask me, I know; if you do, I don't. Ever since Augustine wrote this, some aspects of time are understood better, but big questions remain open. We will discuss some of them, as they arise in a philosophical look at contemporary physics.

Course/Module aims:

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

Describe some of the scientific and philosophical problems concerning time.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

1. Intuitions concerning time
2. Does time pass?
3. the moment
4. the temporal symmetry in physics
5. the arrow of time in physics
6. the physics of the psychological arrow of time.
7. Can we influence the future? Can we change the past?

Required Reading:

papers and book chapters, most of which will appear on the course moodle page.

Additional Reading Material:

Grading Scheme:

Essay / Project / Final Assignment / Home Exam / Referat 100 %

Additional information: