



The Hebrew University of Jerusalem

Syllabus

Distributions and boundary value problems - 80790

Last update 19-09-2024

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: Mathematics

Academic year: 2025

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Raz Kupferman

Coordinator Email: Raz.Kupferman@mail.huji.ac.il

Coordinator Office Hours: In coordination

Teaching Staff:

Prof. Raz Kupferman

Course/Module description:

An advanced course in analysis, including topics in distribution theory, Sobolev spaces and boundary-value problems.

Course/Module aims:

Widen knowledge in analysis.

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

Prove theorem.

Attendance requirements(%):

Teaching arrangement and method of instruction: Frontal lectures.

Course/Module Content:

Topological vector space
Test functions
Distributions
Sobolev spaces
Boundary-value problems

Required Reading:

N/A

Additional Reading Material:

Distributions and Operators, by Gerd Grubb

Grading Scheme:

Home Exam % 100

Additional information:

