The Hebrew University of Jerusalem

Syllabus

Introduction to Mathematics research - 80302

Last update 11-09-2023

HU Credits: 1

Degree/Cycle: 2nd degree (Master)

Responsible Department: Mathematics

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof. Eran Nevo

Coordinator Email: michael.hochman _at_ mail.huji.ac.il

Coordinator Office Hours: By Appointment

Teaching Staff:

Prof. Evgeny Strahov

Course/Module description:
This is a special course in which the coordinators choose each year about 13 researchers from the Einstein Insitute of Mathematics. The researchers give one lecture each in which they present their fields of research with emphasis on the work done at the Institute.

Course/Module aims:
The purpose of the course is to expose the MSc students to current research topics in mathematics and particularly to the research done at the Einstein Institute.

Learning outcomes - On successful completion of this module, students should be able to:
At the end of the course the students will acquire familiarity with current research directions in mathematics, which will help them to make better decisions for their career.

Attendance requirements(%):
80

Teaching arrangement and method of instruction: Lectures

Course/Module Content:
algebra, analysis, geometry, dynamics, probability, topology, combinatorics.

Required Reading:
None

Additional Reading Material:
None

Grading Scheme:
Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 50 %
Attendance / Participation in Field Excursion 50 %

Additional information:

  No numerical grades. A PASS grade to the students who participate regularly in the course according to the requirements and submit a summary ("3 points") of 10 of the lectures, and present one of these points in class.