



The Hebrew University of Jerusalem

Syllabus

Discrete Groups - 80760

Last update 31-01-2024

HU Credits: 4

Degree/Cycle: 2nd degree (Master)

Responsible Department: Mathematics

Academic year: 2024

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Shahar Mozes

Coordinator Email: shahar.mozes@mail.huji.ac.il

Coordinator Office Hours: by appointment

Teaching Staff:

Prof Shahar Mozes

Course/Module description:

The course is an introduction to discrete subgroups groups. Topics will include Fuchsian groups, Mostow Rigidity theorem, Quasi Isometry rigidity.

Course/Module aims:

Introduction to discrete subgroups of various topological groups.

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

Study discrete subgroups further.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

Fuchsian Groups.
Mostow Rigidity.
QI rigidity.

Required Reading:

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Additional Reading Material:

Fuchsian groups, Katok.
Various papers which will be mentioned during the course

Grading Scheme:

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

Additional information: