The Hebrew University of Jerusalem

Syllabus

Discrete groups - 80955

Last update 17-10-2018

<u>HU Credits:</u> 3

<u>Degree/Cycle:</u> 2nd degree (Master)

<u>Responsible Department:</u> Mathematics

<u>Academic year:</u> 0

<u>Semester:</u> 1st Semester

<u>Teaching Languages:</u> Hebrew

<u>Campus:</u> E. Safra

<u>Course/Module Coordinator:</u> Prof. Shahar Mozes

<u>Coordinator Email:</u> mozes@math.huji.ac.il

<u>Coordinator Office Hours:</u> By appointment

<u>Teaching Staff:</u>

Prof Shahar Mozes

Course/Module description:
  Study the structure of discrete subgroups of locally compact groups.

Course/Module aims:
  Same as in learning outcomes.

Learning outcomes - On successful completion of this module, students should be able to:
  understanding and familiarity with the the structure of discrete subgroups and lattices of various locally compact groups

Attendance requirements(%):
  N/A

Teaching arrangement and method of instruction: lectures

Course/Module Content:
  Topics will include Fuchsian groups, Mostow rigidity, QI rigidity for non uniform lattices.

Required Reading:
 N/A

Additional Reading Material:
  S. Katok, Fuchsian groups.
M.S. Raghunathan, Discrete subgroups of Lie Groups.
D. Witte Arithmetic Groups.

Grading Scheme:

Additional information:
  none