The Hebrew University of Jerusalem

Syllabus

Limit groups - 80694

Last update 26-08-2020

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Mathematics

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Chloe Perin

Coordinator Email: perin@math.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof Chloe Perin

Course/Module description:
We will learn various aspects of the class of limit groups: algebraic, geometric and model theoretic.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:
Understand and use limit groups.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:
1. Definitions - algebraic, geometric and model theoretic.

2. Limit groups and equations in the free group: limit quotients.

3. Limiting real tree.

4. Makanin-Razborov diagrams.

5. Constructible limit groups.

6. (Time permitting) Shortening argument.

Required Reading:
None

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 100 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: