



## 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](mailto:perin@math.huji.ac.il)

Coordinator Office Hours:

Teaching Staff:

Prof Chloe Perin

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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 %*

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*Presentation 0 %*  
*Participation in Tutorials 0 %*  
*Project work 100 %*  
*Assignments 0 %*  
*Reports 0 %*  
*Research project 0 %*  
*Quizzes 0 %*  
*Other 0 %*

*Additional information:*