



## Syllabus

### GRAPH THEORY - 80537

Last update 02-07-2024

HU Credits: 1

Responsible Department: Mathematics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: English

Campus: E. Safra

Course/Module Coordinator: Prof Eran Nevo

Coordinator Email: [nevo@math.huji.ac.il](mailto:nevo@math.huji.ac.il)

Coordinator Office Hours:

Teaching Staff:

Course/Module description:

This course will cover several topics in graph theory

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that are not usually covered in the introduction course, but do not require extensive background.

Only basic knowledge of graph theory will be assumed. Topics will include graph coloring, graph matching theory, and graph minor theory.

Course/Module aims:

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

Solve problems in graph theory and apply graph theoretic tools for solving math problems in other areas.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

Topics will include graph coloring, graph matching theory, and graph minor theory.

Required Reading:

Diestel: Graph theory

Additional Reading Material:

Grading Scheme:

Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 100 %

Additional information: