האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

Syllabus

DESCRIPTIVE SET THEORY - 80962

Last update 19-02-2022

HU Credits: 3

Responsible Department: Mathematics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Omer Ben-Neria

Coordinator Email: omer.bn@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:
Prof Omer Ben-Neria

Course/Module description:
We will survey the theory of Borel equivalence relations, with an emphasis on

countable group actions, classification problems, and Borel graph combinatorics.

Course/Module aims:

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

To be familiar with the
theory of Borel equivalence relations.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Seminar

Course/Module Content:

We will survey the theory of Borel equivalence relations, with an emphasis on countable group actions, classification problems, and Borel graph combinatorics.

Required Reading:

-

Additional Reading Material:

(1) A. Kechris (1995), "Classical Descriptive Set Theory"

(2) S. Gao (2008), "Invariant Descriptive Set Theory"

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

Additional information: