האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

Syllabus

Introduction to Langlands program - 80708

Last update 30-01-2024

HU Credits: 2

Responsible Department: Mathematics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof Yakov Varshavsky

Coordinator Email: yakov.varshavsky@mail.huji.ac.il

Coordinator Office Hours: By appointment

Teaching Staff:
Prof Yakov Varshavsky

Course/Module description:
The goal of the course is to give an introduction to various aspects of Langlands

program.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:
familiarity with various aspects of Langlands program

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:
The tentative list of topics include:

1) Local and global class field theory

2) Basics notions of representations of p-adic groups and formulation of the Local Langlands conjecture.

4) Automorphic representations and fromulation of global Langlands conjecture

5) Geometric class field theory and Geometric Langlands.

Required Reading:
No

Additional Reading Material:

Grading Scheme:
Essay / Project / Final Assignment / Home Exam / Referat 100 %

Additional information:

Pass/fail grade