האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

Analytic Number Theory - 80610

Last update 16-10-2017

HU Credits: *3*

Degree/Cycle: *2nd degree (Master)*

Responsible Department: *Mathematics*

Academic year: *0*

Semester: *2nd Semester*

Teaching Languages: *English*

Campus: *E. Safra*

Course/Module Coordinator: *Jasmin Matz*

Coordinator Email: *jasmin.matz@mail.huji.ac.il*

Coordinator Office Hours:

Teaching Staff:

Dr. Zev Rosengarten

Course/Module description:
The prime number theorem, functional equation for the Riemann zeta function, Dirichlet theorem, arithmetic functions.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:
Students will learn classical theorems in analytic number theory

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:
The prime number theorem, functional equation for the Riemann zeta function, Dirichlet theorem, arithmetic functions.

Required Reading:
Davenport: Multiplicative Number Theory

Additional Reading Material:
Apostol, Introduction to Analytic Number Theory

Grading Scheme:

Additional information: