האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

Syllabus

Analytic Number Theory - 80610

Last update 16-10-2017

HU Credits: *3*

Responsible Department: *mathematics*

Academic year: *0*

Semester: *2nd Semester*

Teaching Languages: *Hebrew*

Campus: *E. Safra*

Course/Module Coordinator: *Jasmin Matz*

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

Coordinator Office Hours:

Teaching Staff:
Dr. Jasmin Matz

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

Course/Module evaluation:
End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 20 %
Assignments 80 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: