האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

Syllabus

Berkovich spaces - 80738

Last update 13-10-2021

HU Credits: 3

Responsible Department: Mathematics

Academic year: 0

Semester: 1st Semester

Teaching Languages: English and Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof. Michael Temkin

Coordinator Email: michael.temkin@mail.huji.ac.il

Coordinator Office Hours: by appointment

Teaching Staff:
Prof Michael Temkin

Course/Module description:
Non-archimedean fields, affinoid rings, Weierstrass theory (preperation and

division),affinoid spaces, analytic spaces, formal models, curves: semistable reduction theorem, skeleton of a curve, morphisms between curves.

Course/Module aims:

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

 Expanding the student's knowledge in the chosen subject.

 Developing independent learning skills.

 Acquiring the ability to read advanced mathematical texts.
Preparation for research

Attendance requirements(%):
100%

Teaching arrangement and method of instruction: Determined between the teacher and the student.

Course/Module Content:
Determined between the teacher and student.

Required Reading:
Determined between the teacher and student.

Additional Reading Material:

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

Research project 0 %
Quizzes 0 %
Other 100 %
see additional information

Additional information:
The composition of the final grade is determined on a case by case basis.