



Syllabus

ALGEBRAIC GEOMETRY - 80637

Last update 30-07-2020

HU Credits: 4

Responsible Department: Mathematics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: English

Campus: E. Safra

Course/Module Coordinator: Dr. Ari Shnidman

Coordinator Email: ariel.shnidman@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Course/Module description:
Algebraic Geometry

Course/Module aims:

Algebraic Geometry

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

Algebraic Geometry

Attendance requirements(%):

None

Teaching arrangement and method of instruction: Lecture

Course/Module Content:

Affine and projective schemes, local and global properties, sheaves and cohomology, algebraic curves.

Required Reading:

None

Additional Reading Material:

Hartshorne Algebraic Geometry

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 20 %

Project work 0 %

Assignments 80 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

Prerequisites: commutative algebra on the level of Atiyah and Macdonald's book.

This course is geared towards master and doctorate students who would like to be

proficient in scheme theory.