The Hebrew University of Jerusalem

Syllabus

ALGEBRAIC GEOMETRY - 80637

Last update 30-07-2020

HU Credits: 4

Degree/Cycle: 1st degree (Bachelor)

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 %

<u>*Additional information:*</u>
 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.