



Syllabus

Advanced Topics In Algebraic Geometry - 80999

Last update 31-10-2019

HU Credits: 2

Responsible Department: Mathematics

Academic year: 0

Semester: 1st Semester

Teaching Languages: English

Campus: E. Safra

Course/Module Coordinator: Prof. Karim Adiprasito

Coordinator Email: karim.adiprasito@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof Karim Adiprasito

Course/Module description:

I will explain complex (and a little real) Hodge structures, as well as Hodge

structures on other spaces such as tropical varieties.

Course/Module aims:

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

Ability to prove and apply the theorems presented in the course.

Ability to apply correctly the mathematical methodology in the context of the course.

Acquiring the fundamentals as well as basic familiarity with the field which will assist in the understanding of advanced subjects.

Ability to understanding and explain the subjects taught in the course.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

I will explain complex (and a little real) Hodge structures, as well as Hodge structures on other spaces such as tropical varieties.

Required Reading:

Voisin, Hodge Theory and complex algebraic geometry (part I)

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %
Participation in Tutorials 0 %
Project work 100 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: