

The Hebrew University of Jerusalem

Syllabus

CRYPTOGRAPHY - 67531

Last update 21-09-2015

<u>HU Credits:</u> 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: computer sciences

<u>Academic year:</u> 0

<u>Semester:</u> 1st Semester

<u>Teaching Languages:</u> Hebrew

<u>Campus:</u> E. Safra

Course/Module Coordinator: Dr. Gil Segev

Coordinator Email: segev@cs.huji.ac.il

Coordinator Office Hours: By appointment

Teaching Staff:

Dr. Gil Segev

Course/Module description:

This course introduces the basic paradigms and principles of cryptography, with an emphasize on the scientific nature of modern cryptography. Students will be exposed to a variety of cryptographic tools and systems (such as encryption schemes and digital signatures), learn how to reason about their security, and how to apply this knowledge to various real-world applications.

Course/Module aims:

See course description.

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

See course description.

<u>Attendance requirements(%):</u> There are no attendance requirements.

Teaching arrangement and method of instruction: Lectures and home assignments.

<u>Course/Module Content:</u> See course description.

<u>Required Reading:</u> There is no required reading.

<u>Additional Reading Material:</u> Additional reading material will be provided as the course progresses.

<u>Course/Module evaluation:</u> End of year written/oral examination 75 % Presentation 0 % Participation in Tutorials 0 % Project work 0 % Assignments 25 % Reports 0 % Research project 0 % Quizzes 0 % Other 0 %

Additional information: