האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

NUMERIC ANALYSIS - 80301

Last update 20-04-2015

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor) and 2nd degree (Master)

Responsible Department: mathematics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof Raz Kupferman

Coordinator Email:

Coordinator Office Hours:

Teaching Staff:

Prof Raz Kupferman

Course/Module description:
Introduction to numerical analysis.
Numerical linear algebra.
Approximation theory.
Interpolation.
Numerical integration.

Course/Module aims:
same as in learning outcomes.

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(%):
0

Teaching arrangement and method of instruction: Frontal teaching.

Course/Module Content:
Introduction to numerical analysis.
Numerical linear algebra.
Approximation theory.
Interpolation.
Numerical integration.

Required Reading:
none

Additional Reading Material:

Lecture notes in lecturer's website.

Course/Module evaluation:

End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 85 %
Assignments 15 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:

none