



The Hebrew University of Jerusalem

Syllabus

Mathematics A - 55321

Last update 08-09-2024

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Business Administration

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Noa Nitzan

Coordinator Email: noa.nitzan@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Dr. Noa Nitzan,
Ms. tal almagor

Course/Module description:

An introductory course in Differential Calculus.

Course/Module aims:

An introduction to the mathematical methodology: definitions, theorems and its applications to Calculus.

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

Ability to understand, explain and apply theorems presented in the course.

Ability to apply correctly the mathematical methodology in the context of the course, such as investigating thoroughly a given function.

Attendance requirements(%):

According to the global requirements defined by the Business school.

Teaching arrangement and method of instruction: Lecture + recitation

Course/Module Content:

functions; limits; continuity; continuity on a closed interval; inverse functions; derivatives; maxima-minima; L'Hopital's Rule; Convexconcave points

Required Reading:

none

Additional Reading Material:

Howard Anton, Calculus, Anton Textbooks, Inc.

Grading Scheme:

Written / Oral / Practical Exam 85 %

*Submission assignments during the semester: Exercises / Essays / Audits / Reports
/ Forum / Simulation / others 10 %
Mid-terms exams 5 %*

Additional information: