The Hebrew University of Jerusalem

Syllabus

Mathematics A' - 55321

Last update 07-10-2021

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

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 thouroughly 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.

  Course/Module evaluation:
  End of year written/oral examination 85 %
  Presentation 0 %

Participation in Tutorials 0 %
Project work 0 %
Assignments 10 %
Reports 0 %
Research project 0 %
Quizzes 5 %
Other 0 %

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