



The Hebrew University of Jerusalem

Syllabus

CALCULUS FOR STATISTICIANS A - 52112

Last update 21-08-2019

HU Credits: 6

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Statistics

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. ScopusMt. Scopus

Course/Module Coordinator: Yan Dolinsky

Coordinator Email: yan.dolinsky@mail.huji.ac.il

Coordinator Office Hours: Wednesday 13-14

Teaching Staff:

Dr. Jonathan Zouari,
Mr. ,
Prof Yan Dolinsky,
Mr.

Course/Module description:

In this course we will study basic topics in calculus and see some application in science.

Course/Module aims:

Developing mathematical techniques which are required in statistics.

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

By the end of this course you will be able to tackle basic mathematical problems from different areas and to apply the basic theorems of calculus

Attendance requirements(%):

none

Teaching arrangement and method of instruction: Lectures +exercises

Course/Module Content:

Sequences of numbers, limits of sequences, functions, limits of functions, continuity and differentiability, the basic theorems of calculus, analysis of functions, integration.

Required Reading:

None

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 85 %

Presentation 0 %

Participation in Tutorials 0 %

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

Additional information:
None