



The Hebrew University of Jerusalem

Syllabus

INFINITESIMAL CALCULUS (1) - 80131

Last update 14-04-2020

HU Credits: 7

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Mathematics

Academic year: 2020

Semester: 1st and/or 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Yves Godin

Coordinator Email: jbreuer@math.huji.ac.il

Coordinator Office Hours: By appointment

Teaching Staff:

Dr. Noa Nitzan
Dr. Yves Godin
Mr. Alpern Itai
Ms. Hacoheh Yael
Mr. Deutsch Arye
Mr. Eyal selig
Mr. David Zisselman
Prof Tomer Schlank
Mr. Ur Ben-Ari
Prof Raz Kupferman
Mr. Daniel Ofner

Course/Module description:

Infinitesimal Calculus in one variable.

Course/Module aims:

Introduction to Infinitesimal Calculus of one variable.

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

Feel acquainted with the formal-deductive structure, being able to write proofs and solve problems in mathematical analysis.

Attendance requirements(%):

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Teaching arrangement and method of instruction: Lecture and exercise.

Course/Module Content:

Real numbers. Sequences of real numbers. Limits and continuity. Derivatives.

Required Reading:

none

Additional Reading Material:

N/A

Course/Module evaluation:

End of year written/oral examination 85 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 15 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

none