Course program and reading list

School: Arison School of Business B.A

Mathematics II

Lecturer:

Mr. Hever Schulberg   hevers@runi.ac.il

Course No.:	Course Type :	Weekly Hours :	Credit:
2380	Lecture	2	3

Course Requirements :	Group Code :	Language:
Final Exam	242238001	English

Prerequisites

Students who took one of the courses listed below will not be allowed to register to the course Mathematics II (2380):

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Course Description

- Global minimum and maximum of single variable functions, including optimization problems.
- Study of logarithmic and exponential functions.
- Differentiation of functions represented by implicit equations.
- Multivariable functions, partial derivative (and it's meaning as marginal function), critical points and graphs of double variable functions.
- Solving optimization problems using Multivariable functions.
- Using the Lagrange multipliers method to solve constrained problems.
- Matrices and Gauss–Jordan elimination.

Course Goals

Functions and linear algebra.

Grading

- The final exam grade will be the final grade of the course.

Lecturer Office Hours

By appointment.

Tutor Office Hours

By appointment.

Reading List

Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences, 10th edition, by E.F. Haeussler and R.S. Paul , Prentice-Hall, 2002.