



בית הספר
לתלמידים מחו"ל
ע"ש רוטברג
Rothberg
International
School

Preparatory Math Course Syllabus

This course is a mandatory preparatory mathematics class for students enrolled in the International B.A. in Business Administration program. It is designed to prepare students for the undergraduate Business Administration degree and will take place before the start of the first semester. This is a non-credit-bearing course.

The course focuses on the mathematical knowledge required for success in the B.A. Program in Business Administration and aims to provide students with a solid foundation in mathematics.

Prerequisites

No prior preparation is required; however, a basic familiarity with algebra is assumed.

Course Topics

The course will cover the following topics:

1. Mathematical Calculations and Expressions

- Representation, calculation, and interpretation of mathematical expressions relevant to mathematics and statistics.
- Topics include square roots, exponents, common factors, Euler's number (e), logarithms, fractions, percentages, absolute values, and handling extremely high or low numbers.

2. Equations and Inequalities

- Solving equations and inequalities, including quadratic equations and equations with parameters.

3. Basic Function Analysis

- Introduction to function analysis with a focus on graphical representation.
- Topics include piecewise functions, square roots, and logarithmic functions.
- Emphasis on understanding how different parts of a function influence its overall behaviour and values.

Course Schedule

- **Arrival and Registration Day:** Monday, September 8, 2025
- **Course Start Date:** Tuesday, September 9, 2025
- **Course End Date:** Thursday, September 25, 2025
- **Optional Make-Up / Tutorial Days:** Sunday, September 28; Monday, September 29; Tuesday, September 30, 2025
- **Vacation (No Classes):** Monday, September 22 – Wednesday, September 24, 2025 (Rosh Hashanah)

Daily Hours

- **Session Duration:** 5 academic hours per day
- **Schedule:** 08:30 AM – 1:30 PM (Sunday through Thursday)

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