

The Department of Mathematics

2024–25–A term

Course Name Logic

Course Number 201.1.6061

Course web page

<https://math.bgu.ac.il/en/teaching/fall2025/courses/logic>

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Office Hours <https://math.bgu.ac.il/en/teaching/hours>

Abstract

Requirements and grading¹

Course topics

- An axiom system for predicate calculus and the completeness theorem.
- Introduction to model theory: The compactness Theorem, Skolem–Löwenheim Theorems, elementary substructures.
- Decidability and undecidability of theories, Gödel first Incompleteness Theorem.

¹Information may change during the first two weeks of the term. Please consult the webpage for updates