

The Department of Mathematics

2016–17–A term

Course Name Logic

Course Number 201.1.6061

Course web page

<https://www.math.bgu.ac.il/en/teaching/fall2016/courses/logic>

Lecturer Prof. Assaf Hasson, <hassonas@bgu.ac.il>, Office 204

Office Hours <https://www.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