Course Name  Logic

Course Number  201.1.6061

Course web page  https://www.math.bgu.ac.il/en/teaching/fall2022/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 grading

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.

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