The Department of Mathematics

2019–20–A term

Course Name Logic

Course Number 201.1.6061

Course web page
https://www.math.bgu.ac.il//en/teaching/fall2020/courses/logic

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

Abstract

Requirements and grading[1]

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