The Department of Mathematics
2020–21–A term

Course Name  Logic

Course Number  201.1.6061

Course web page  https://www.math.bgu.ac.il/en/teaching/fall2021/courses/logic

Lecturer  Prof. Menachem Kojman, <kojman@bgu.ac.il>, Office 111

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.

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