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

Lecturer Dr. Assaf Hasson, hassonas@bgu.ac.il, Office 204

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

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.

---

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