The Department of Mathematics  
2019–20–A term

Course Name  Logic
Course Number  201.1.6061
Course web page  
Lecturer  Dr. Assaf Hasson, <hassonas@bgu.ac.il>, Office 204
Office Hours  [https://www.math.bgu.ac.il/en/teaching/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.

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