

## The Department of Mathematics

2018–19–B term

**Course Name** Axiomatic Set Theory 1

**Course Number** 201.2.4281

**Course web page**

<https://www.math.bgu.ac.il/en/teaching/spring2019/courses/axiomatic-set-theory-1>

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

### Abstract

### Requirements and grading<sup>1</sup>

### Course topics

- The reflection theorem
- Mostowski collapse theorem
- Absoluteness of formulas
- The constructible universe
- Forcing
- Consistency of the negation of the continuum hypothesis
- Consistency of the negation of the Axiom of choice

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