

The Department of Mathematics

2024–25–B term

Course Name Introduction to Topology

Course Number 201.1.0091

Course web page

<https://math.bgu.ac.il/en/teaching/spring2025/courses/introduction-to-topology>

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

Abstract

Requirements and grading¹

Course topics

Topological spaces and continuous functions (product topology, quotient topology, metric topology). Connectedness and Compactness. Countability Axioms and Separation Axioms (the Urysohn lemma, the Urysohn metrization theorem, Partition of unity). The Tychonoff theorem and the Stone-Cech compactification. Metrization theorems and paracompactness.

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