אוניברסיטת
בן-גוריון בנגב

The Department of Mathematics

2024–25–A term

Course Name Basic Concepts in Topology and Geometry

Course Number 201.2.5221

Course web page
https://math.bgu.ac.il//en/teaching/fall2025/courses/basic-concept-in-toplogy-an

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

Abstract

Requirements and grading[1]

Course topics

- Topological manfiolds. The fundamental group and covering spaces. Applications.

- Singular homology and applications.

- Smooth manfiolds. Dffierential forms and Stokes' theorem, definition of de-Rham cohomology.

- Additional topics as time permits.

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