The Department of Mathematics
2022–23–A term

Course Name  Basic Concepts in Topology and Geometry
Course Number  201.2.5221
Office Hours [https://www.math.bgu.ac.il/en/teaching/hours](https://www.math.bgu.ac.il/en/teaching/hours)

Abstract

Requirements and grading

Course topics

- Topological manifolds. The fundamental group and covering spaces. Applications.
- Singular homology and applications.
- Smooth manifolds. Differential forms and Stokes’ theorem, definition of de-Rham cohomology.
- Additional topics as time permits.

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