The Department of Mathematics
2019–20–A term

Course Name  Basic Concepts in Topology and Geometry
Course Number  201.2.5221


Lecturer  Prof. Eitan Sayag, <sayage@bgu.ac.il>, Office 107
Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

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