

The Department of Mathematics

2025–26–B term

Course Name Graph Theory

Course Number 201.1.6081

Course web page

<https://math.bgu.ac.il/en/teaching/spring2026/courses/graph-theory>

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

Abstract

Requirements and grading¹

Course topics

Graphs and sub-graphs, trees, connectivity, Euler tours, Hamilton cycles, matching, vertex and edge colorings, planar graphs, introduction to Ramsey theory, directed graphs, probabilistic methods and linear algebra tools in Graph Theory.

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