Course Name: Graph Theory

Course Number: 201.1.6081


Lecturer: Prof. Shakhar Smorodinsky, <shakhar@bgu.ac.il>, Office 208

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

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.

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