

The Department of Mathematics

2015–16–A term

Course Name Graph Theory

Course Number 201.1.6081

Course web page

<http://www.math.bgu.ac.il/~berend/teaching/Graph-Theory/main.html>

Lecturer Emeritus Prof Daniel Berend, <berend@bgu.ac.il>, Office 37/213

Office Hours <https://www.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