

The Department of Mathematics

2017–18–A term

Course Name Game Theory

Course Number 201.1.8131

Course web page

<https://www.math.bgu.ac.il/en/teaching/fall2017/courses/game-theory>

Lecturer 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

The course will present Game Theory mostly from a mathematical point of view.
Topics to be covered:

1. Combinatorial games.
2. Two-person zero-sum games.
3. Linear programming.
4. General-sum games.
5. Equilibrium points.
6. Random-turn games.
7. Stable marriages.
8. Voting.

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