

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>

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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