



Tárgytematika

EÖTVÖS LORÁND TUDOMÁNYEGYETEM
TÁTK Közgazdaságtudományi Tanszék
(TÁTK-KOZGAZ-TANSZ)

2019/20/1

Tárgynév:	Scientific Methodology (Game Theory)
Tárgykód:	ECBA023
Tárgyfelelős neve:	Horváth Áron Botond
Tárgy követelménye:	gyakorlati jegy (5)
Tárgy heti óraszám:	0/2/0

Oktatás célja:

This course is an introduction to game theory, the study of strategic behavior among parties having opposed, mixed or similar interests.

All of us are strategists, whether we like it or not. It is better to be a good strategist than a bad one, and this course aims to help you improve your skills at discovering and using effective strategies.

Tantárgy tartalma:

1. Strategic form games and dominance
2. Iterated dominance, Nash equilibrium
3. Mixed Nash equilibrium
4. Evolutionary stability
5. First Exam. Sequential games
6. Subgame perfection
7. Repeated games
8. Behavioral strategies
9. Second exam. Asymmetric information I. Moral hazard
10. Asymmetric information. Signaling and screening
11. Cooperative Games and the core
12. Cooperative Games and Shapley value
13. Third exam. Mechanism design

Számonkérési és értékelési rendszere:

There will be three exams during the semester (week 5, 9 and 13). None of the exams can be rewritten. The final grade will be determined by the average score of the exams, each of them with similar weight. The grading will be as follows: pass (2) from 50%, fair (3) from 60%, good (4) from 70%, very good (5) from 80%.

Kötelező irodalom:

Game Theory for Applied Economists by Robert Gibbons, Princeton University Press.
