

Game Theory

Course Program

Monday, November 20, 2023

Na Florenci 25, F309 (3rd floor)

- 09.00 – 10.45 Introduction – basic concepts: explicit and normal form games
- 11.00 – 12.30 Two-person non-cooperative games, equilibrium concept
- 13.30 – 15.00 Bimatrix games, methods for equilibrium strategies search
- 15.15 – 17.00 Bimatrix games, further methods

Tuesday, November 21, 2023

Konviktská 20, K404 (4th floor)

- 08.45 – 10.00 Antagonistic conflict
- 10.15 – 11.45 Matrix games
- 12.00 – 13.45 Repeated games

Wednesday, November 22, 2023

Na Florenci 25, F118 (1st floor)

- 08.45 – 09.30 Two-person cooperative games without transferable payoffs, bargaining
- 09.45 – 11.15 N-person cooperative games – imputations, core
- 11.30 – 13.15 Shapley value

15:15 Excursion: National Technical Museum, Kostelní 42, Prague 8

Thursday, November 23, 2023

Horská 3, A324 (3rd floor, building A)

- 08.30 – 9.45 Power indices
- 10.00 – 11.30 Nucleolus, bankruptcy problem
- 11.45 – 13.00 Individual and group decision making

Friday, November 24, 2023

Na Florenci 25, F114 (1st floor)

- 10.00 – 13.30 Assessment, final discussion
- 17:00 Farewell dinner – Jugoslávských partyzánů 1580/3, Prague 6**

Lecturer: Magdalena Hykšová

<http://euler.fd.cvut.cz>