

Advanced Microeconomics

Content

This lecture delves deeper into microeconomics. We will cover choice under uncertainty, game theory, auction theory and mechanism design. While game theory studies the outcome of strategic interaction between individuals given certain institutions (i. e. rules of the game), mechanism design asks what institutions (i. e. what rules of the game) are necessary to obtain a certain outcome. Mechanism design addresses questions like “What kind of selling mechanism does efficiently allocate a single unit of some commodity among a group of potential buyers?”

Requirements

Passion for economics and knowledge of intermediate microeconomics. This course is for Master students only.

Organisation

	Lecture	Exercises
First session:	September 22, 2016	September 22, 2016
Time and place:	0815 - 1000, 4.B54	1015 - 1200, 4.B54
Exam:	December 22, 2016	–
Office hours:	Thursdays, by appointment	Thursdays, by appointment

Calendar

<i>September</i>	<i>Oktober</i>	<i>November</i>	<i>Dezember</i>
1 2 3 4	1 2	1 2 3 4 5 6	1 2 3 4
5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13	5 6 7 8 9 10 11
12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18
19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27	19 20 21 22 23 24 25
26 27 28 29 30	24 25 26 27 28 29 30	28 29 30	26 27 28 29 30 31
	31		

Tentative Outline

Date	Time	Room	Subject	Chapter
22.9	0815	4.B54	Introduction, Uncertainty	J.2.4
29.9.	–	–	Homework	J.2.4, J.1, J.3
6.10.	0815	4.B54	Uncertainty	J.2.4
13.10.	0815	4.B54	Game Theory	J.7.1-7.2, OR.1-4
20.10.	0815	4.B54	Nash Equilibrium	J.7.1-7.2, OR.1-4
27.10.	0815	4.B54	Games of incomplete information	J.7.2.3, OR.9
3.11.	0815	4.B54	Games of incomplete information	J.7.2.3, OR.9
10.11.	–	–	Dies Academicus	
17.11.	0815	4.B54	Auctions	J.9.1-9.3, OR.9, K.1-3
24.11.	0815	4.B54	Auctions	J.9.1-9.3, OR.9, K.1-3
1.12.	0815	4.B54	Mechanism Design	J.9.4-9.5, K.5
8.12.	–	–	Maria Empfängnis	
15.12.	1015	HS13	Mechanism Design	J.9.4-9.5, K.5
22.12.	1015	HS13	Exam (90') ?	
???	1015	HS13	Make-up exam (90')	

See www.yvesschneider.net or <https://advancedmicrounlu.slack.com> for updates.

Literature

J: *“Advanced Microeconomic Theory”*, Geoffrey A. Jehle and Philip J. Reny, 2010, 3rd edition, Pearson Education.

K: *“Auction Theory”*, Vijay Krishna, 2010, 2nd edition, Elsevier.

OR: *“A course in game theory”*, Osborne, Martin J., und Ariel Rubinstein, 1994, Cambridge, Massachusetts: MIT Press.

- *“Putting Auction Theory to Work”*, Paul Milgrom, 2004, Cambridge University Press.
- *“Who Gets What and Why: The New Economics of Matchmaking and Market Design”*, Alvin Roth, 2015, Eamon Dolan/Houghton Mifflin Harcourt.
- <http://www.econtalk.org>