

Micro C: Lecture plan for Spring 2013 (Ole Jann)

	Week	Date	Topic	Read
1	6	Feb 7	Static Games with Complete Information Introduction, normal form games, strict domination	Gib 1.1 A, B
2	7	Feb 11	Nash equilibrium, Cournot	Gib 1.1 C, 1.2 A
3		Feb 14	Bertrand, Tragedy of the Commons	1.2 B, D
4	8	Feb 21	Mixed strategies, existence of equilibrium, multiple equilibria	Gib 1.3
5	9	Feb 25	Dynamic Games with Complete Information Dynamic games with perfect information, Stackelberg	Gib 2.1 A-C
6		Feb 28	Sequential bargaining, Subgame-Perfect Nash Equilibrium	Gib 2.1 D, 2.2
7	10	Mar 7	Extensive form games, Two-Stage games with imperfect information	Gib 2.2, 2.4
8	11	Mar 11	Repeated Games	Gib 2.3
9		Mar 14	Repeated Games	Gib 2.3
10	12	Mar 21	Static Games with Incomplete Information Bayesian Games, Bayesian NE	Gib 3.1
11	13	Mar 25	Auctions	Gib 3.2
12	14	Apr 4	Dynamic Games with Incomplete Information Perfect Bayesian Equilibrium	Gib 4.1
13	15	Apr 8	Signaling	Gib 4.2
14		Apr 11	Spence signaling	Gib 4.2
15	16	Apr 18	Signaling, refinements	Gib 4.4
16	17	Apr 22	Cheap Talk	Gib 4.3A
17		Apr 25	Cooperative game theory Axiomatic bargaining	Os 16
18	18	May 2	The core	Os 8
19	19	May 6	Game Theory: How and Why? (background reading: two papers by Schelling and Rubinstein, available on Absalon)	

(Gib: "A Primer in Game Theory" by R. Gibbons, Os: "An Introduction to Game Theory" by M. Osborne)

Three mandatory take-home exercises: To be handed in in weeks 9, 13 and 16.

Mock exam: April 16, 17-19 (2 hours, written exam, closed book, "PC exam" at Peter Bangs Vej 36).

Final exam: June 6 (2 hours, written exam, closed book, "PC exam" at Peter Bangs Vej).