

## Micro C: Updated lecture plan for Autumn 2013 (Ole Jann)

(Adjustments during the semester are likely. Updates will be posted on Absalon.)

	Week	Date	Topic	Read
1	36	Sep 6	<b>Static Games with Complete Information</b> Introduction, normal form games, strict domination	Gib 1.1 A, B
2	37	Sep 10	Nash equilibrium, Cournot	Gib 1.1 C, 1.2 A
3		Sep 13	Bertrand, Tragedy of the Commons	1.2 B, D
4	38	Sep 20	Mixed strategies, multiple equilibria	Gib 1.3
5	39	Sep 24	Existence of equilibrium, proofs in game theory	Gib 1.3
6		Sep 27	<b>Dynamic Games with Complete Information</b> Dynamic games with perfect information, Stackelberg	Gib 2.1 A-C
7	40	Oct 4	Sequential bargaining, Subgame-Perfect Nash Equilibrium	Gib 2.1 D, 2.2
8	41	Oct 8	Extensive form games, Two-Stage games with imperfect information	Gib 2.2, 2.4
9		Oct 11	Repeated Games	Gib 2.3
10	43	Oct 22	Repeated Games	Gib 2.3
11		Oct 25	<b>Static Games with Incomplete Information</b> Bayesian Games, Bayesian NE	Gib 3.1
12	44	Nov 1	Auctions	Gib 3.2
13	45	Nov 5	<b>Dynamic Games with Incomplete Information</b> Perfect Bayesian Equilibrium	Gib 4.1
14		Nov 8	Signaling	Gib 4.2
15	47	Nov 19	Spence signaling (no lecture in week 46)	Gib 4.2
16		Nov 22	Signaling, refinements	Gib 4.4
17	48	Nov 29	Cheap Talk	Gib 4.3A
18	49	Dec 3	<b>Cooperative game theory</b> Axiomatic bargaining	Os 16
19		Dec 6	The core	Os 8
20	50	Dec 13	<b>Game Theory: How and Why?</b> (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 39, 43 and 46.

**Mock exam:** November 30, 9-11 (2 hours, written exam, closed book, "PC exam" at Peter Bangs Vej 36).

**Final exam:** January 13 (2 hours, written exam, closed book, "PC exam" at Peter Bangs Vej).