

Weeks	10:00-11:40	Contents	Hwk	Due
1	Sep.7 Sep.9 Sep.11	Overview Graph basics, Strong and weak ties Strong and weak ties, homophily	Hwk 0	
2	Sep.14 Sep.16	Positive and Negative relationships; Game basics, Multiple Equilibria		
3	Sep.21 Sep.23 Sep.25	Mixed strategy; Pareto Optimality Traffic as a game; Auction basics;		Hwk 0
4	Sep.28 Sep.30	Matching markets Market-clearing price; price construction	Hwk1	
5	Oct.5 Oct.7 Oct.9 Oct.10	Cancelled, National Day Cancelled, National Day Trading networks and its equilibria analysis Power in networks; Two-person bargaining		
6	Oct.12 Oct.14	Network exchange models Structure of the web; ranking and link analysis		Hwk1
7	Oct.19 Oct.21 Oct.23	PageRank Advertising; VCG VCG and Generalized second price auction		Project proposal
8	Oct.26 Oct.28	Herding; Bayes' Rule Cascade and its modelling		Hwk2
9	Nov.2 Nov.4 Nov.6	Network effects basics Markets with network effects Discussion		Project Milestone
10	Nov.9 Nov.11	Power Laws Diffusion and its modelling		Hwk2
11	Nov.16 Nov.18 Nov.20	Cascades and clusters; Thresholds Six degree of separation Decentralized search and its modelling		
12	Nov.23 Nov.25	Epidemics Voting basics	Hwk3	
13	Nov.30 Dec.2 Dec.4	Information aggregation Tragedy of commons Discussion		Project Report
	Exam week Dec.7-Dec.11			Hwk3

Location

F115(Mon),  
F105(Wed/Fri)

F for East Lower Hall 东下院