

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

Location F115(Mon),
F105(Wed/Fri)
F for East Lower Hall 东下院