

Course Title: Fundamentals of Social Choice Theory
Course Number: Economics 411
Instructor: John Duggan, Dunning 318
Teaching Assistant: Chunling Liu, MC A505

COURSE OUTLINE (updated November 1, but subject to change):

9/14	introduction, diagnostic exam
9/16	mathematical preliminaries
9/21	mathematical preliminaries
9/23	preference theory
9/28*	preference theory, choice theory
9/30	choice theory
10/5*	the social preference framework
10/7	majority rule, May's theorem, Condorcet's paradox
10/12	McGarvey's theorem, conditions on social preferences
10/14	Arrow's theorem
10/19**	EARLY TERM EXAM
10/21	more impossibility theorems
10/26	impossibility theorems, economic domains
10/28*	no class (homework due Oct. 31)
11/2	single-peaked preferences, the median voter theorem
11/4	the social choice function framework, Condorcet's principle
11/9*	a menu of social choice functions
11/11	impossibility theorems
11/16**	LATE TERM EXAM
11/18	manipulation of social choices
11/23	the Gibbard-Satterthwaite theorem
11/25*	Nash equilibrium
11/30	monotonicity, Nash implementation
12/2	no class (course evaluations)
12/15**	final exam
*	homework due
**	test scheduled

Each mid-term counts toward 25 % of the final grade, the final exam counts toward 40 %, and homework counts toward 10 %.