

## University of Rochester Political Science

Psc 584  
Game Theory

Prof. Mark Fey  
Fall 2018

### Syllabus

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This course is designed to teach graduate students in political science the

### Topic 0 The Basic of Bargaining

Fudenberg and Tirole, sec. 4.4

Gibbons, sec. 2.1.D

Ariel Rubinstein, "Perfect Equilibrium in a Bargaining Model,"  
*Econometrica* 50:1 (1982), 97{110 (JSTOR)

John Nash, "The Bargaining Problem," *Econometrica* 18:21 (1950),  
155{162 (JSTOR)

### Topic 1 Bayesian Games and Bayesian-Nash Equilibrium

Fudenberg and Tirole, ch. 6

Gibbons, ch. 3

John C. Harsanyi, "Games with Incomplete Information Played by  
'Bayesian' Players, I-III," *Management Science* 14 (1967), 159{182,  
320{334, 486{502 (JSTOR)

John C. Harsanyi, "Games with randomly disturbed payoffs: a new  
rationale for mixed-strategy equilibrium points," *International Journal  
of Game Theory* 2 (1973), 1-23

Thomas R. Palfrey and Howard Rosenthal, "Private incentives in  
social dilemmas : The effects of incomplete information and altruism,"  
*Journal of Public Economics* 35 (1988) 309{332 (link)

### Topic 2 Perfect Bayesian Equilibrium and Sequential Equilibrium

Fudenberg and Tirole, ch. 8

Gibbons, sec. 4.1

Drew Fudenberg and Jean Tirole, "Perfect Bayesian equilibrium and  
sequential equilibrium," *Journal of Economic Theory* 53 (1991),  
236{260

### Topic 3 Signaling Games

Fudenberg and Tirole, sec. 11.2

Gibbons, sec. 7.1

Michael Spence, "Job Market Signaling," *Quarterly Journal of Economics* 87 (1973), 355{374 (JSTOR)

In-Koo Cho and David M. Kreps, "Signaling Games and Stable Equilibria," *Quarterly Journal of Economics* 102 (1987), 179{222 (JSTOR)

Je rey S. Banks and Joel Sobel, "Equilibrium Selection in Signaling Games," *Econometrica* 55 (1987), 647{661 (JSTOR)

David Epstein and Peter Zemski, "Money Talks: Deterring Quality Challengers in Congressional Elections," *American Political Science Review* 89 (1995), 295{308 (JSTOR)

#### Topic 4 Preplay Communication and Cheap Talk

Gibbons, sec. 4.3.A

Joseph Farrell and Matthew Rabin, "Cheap Talk," *Journal of Economic Perspectives* 10 (1996), 103{118 (JSTOR)

Vincent P. Crawford and Joel Sobel, "Strategic Information Transmission," *Econometrica* 50 (1982), 1431{1451 (JSTOR)

#### Topic 5 Advanced Topics in Strategic Form Games

Dominance

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Topic 6