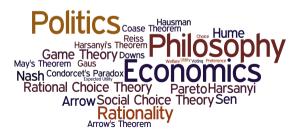
PHIL309P Methods in Philosophy, Politics and Economics

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Practicalities



► Course website

https://myelms.umd.edu/courses/1269219

- ► Weekly readings will be posted
- Slides will be posted
- ► Announcements (canceled classes, etc.)
- ► Links to assignments (online quizzes, problem sets)

► Web: pacuit.org

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► Office: Skinner 1103A



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- 4. Final exam (15%): The final exam will be given in-class during exam week (**December 11 17**).

Practicalities: Online Discussion



- ▶ Since this is a hybrid course, the course includes a significant online component (as a replacement for some lecture time).
- ► The course is designed so that 50 minutes of lecture time per week is online.
- ▶ Part of your participation grade is to take part in online discussion using piazza.com. (There is a link to the piazza courses on the ELMS course website).

Practicalities: Online Discussion



► Ask questions about the lectures and/or readings, discuss quizzes, discuss problem sets.

► You will receive online discussion grades (out of 10 points) periodically throughout the semester (the final online discussion grade may be worth more than 10 points). The score is based on your activity on piazza (questions asked, questions answered, notes posted).

Practicalities: In-Class Discussion



- ► There will be short in-class quizzes given during lectures.
- ▶ We will use the tools at tophat.com to facilitate asking questions during the semester. Please sign up for an account on tophat.com (you only need a tophat account not a tophat account + textbook).

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► Each question will be worth 1 point (usually 0.5 for participation and 0.5 for correct answer). There are no make-ups for missed in-class quizzes. The lowest 5% of the number of quizzes will be dropped.

Practicalities: Problem Sets



- ► A number of short problem sets will be assigned throughout the semester.
- ► You will be asked to answer 1-2 questions. Initially you will be graded only for completion. After the due date, we will discuss solutions to the problem sets either in class or (more likely) online.
- ▶ At the end of the semester, a final problem set must be submitted (as a singled pdf file). You will be graded on correctness of your answers *and* the presentation of your solution.

Practicalities: Math



Many students struggle with the mathematical content of the course. The course is completely self-contained, but it does require that you become comfortable with some mathematical notation.

Practicalities: Math



- ▶ Spend some time familiarizing yourself with the relevant mathematical notation: sets $X = \{a, b, c\}$, subset $X \subseteq Y$, element of $x \in X$, cross-product $X \times Y = \{(x, y) \mid x \in X, y \in Y\}$, functions $F : X \to Y$, . . .
- ► Ask questions, especially about notation that you do not understand (no matter how trivial).
- ► The quizzes are designed, in part, to make sure you understand the mathematical content
- ▶ It is important to use the proper notation on the problem sets and final exam (otherwise I won't understand your answer).

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Economic models consist of clearly stated assumptions and behavioral mechanisms. As such, they lend themselves to the language of mathematics. Flip the pages of any academic journal in economics and you will encounter a nearly endless stream of equations and Greek symbols...The reason economists use mathematics is typically misunderstood. It has little to do with sophistication, complexity, or a claim to higher truth. Math essentially plays two roles in economics, neither of which is cause for glory: clarity and consistency. (Rodrik, pgs. 22-23)

D. Rodrik. Economic Rules: The Rights and Wrongs fo the Dismal Science. W.W. Norton, 2015.

Advice



- ► Attend lectures regularly (attendance is required after all!)
- ► Put your devices (laptop, tablet, phone) away during lectures (unless you need it to take notes), but please do not check Facebook, Instagram, Youtube, etc.
- Keep up with the readings
- ► Come to lectures ready to discuss the material for the week
- ► Ask questions (even seemingly trivial questions can spark a very interesting debate)
- ▶ For the problem sets: You will be graded on the correctness of your answer *and* on how well you convey your answer to the reader. Both aspects are important.

Topics



- 1. Rationality in Economics
- 2. Rational Choice Theory: Preference, Choice and Utility
- 3. Game Theory
- 4. Voting and Social Choice Theory
- 5. Interpersonal Comparisons of Utility

What is this course about?

1. Foundational assumptions in Economics and Political Science

(Faulty?) Assumptions



The main cause of the [2008 financial] crisis was the behavior of the banks—largely the result of misguided incentives unrestrained by good regulation. ...

There is one other set of accomplices—the economists who provide the arguments that those in the financial markets found so convenient and self-serving. The economists provided models—based on unrealistic assumptions of perfect information, perfect competition, and perfect markets—in which regulation was unnecessary. (Stiglitz, 333-4)

J. Stiglitz. *The Anatomy of a Murder: Who Killed the American Economy*. Critical Review: 21(2-3), pp. 329 - 339 (2009).

(Useful?) Assumptions



In truth, simple models of the type that economists construct are absolutely essential to understanding the workings of society. Their simplicity, formalism, and neglect of many facets of the real world are precisely what makes them valuable. These are a feature, not a bug. What makes a model useful is that it captures an aspect of reality. What makes it indispensable, when used well, is that it captures the most relevant aspect of reality in a given context. (Rodrik, 11)

D. Rodrik. *Economic Rules: Why Economics Works, When it Fails and How to Tell the Difference.* Oxford University Press, 2015.

What is this course about?

- 1. Foundational assumptions in Economics and Political Science
- 2. "Rational choice" explanations of social phenomena

The Aim of Economics



The main task of the social sciences is to explain social phenomena. It is not the only task, but it is the most important one, to which others are subordinated or on which they depend. (Elster, pg. 9)

J. Elster. Explaining Social Behavior: More Nuts and Bolts for the Social Sciences. Cambridge University Press, 2007.

What is this course about?

- 1. Foundational assumptions in Economics and Political Science
- 2. "Rational choice" explanations of social phenomena
- 3. What does it mean (for an individual/group) to be *rational* (or *reasonable*) as opposed to *irrational* (or *unreasonable*)?



Menu









Choice





Rational Choice?





Rational Choice?



Preference





Rational Choice



Preference









Preference



▶ **Option uncertainty**: What type of wine is it? Is the red wine sweet or dry? Is the white wine spoiled? Is the lemonade very sugary? . . .

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▶ **Menu uncertainty**: Are there other drink choices that are available (e.g., a beer or a soda)? . . .

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► Context: What are we having to eat? What time of day is it? How many drinks have you had? Are you driving home? . . .





Individual decision-making (against nature)

► E.g., Gambling





Individual decision-making (against nature)

► E.g., Gambling

Individual decision making in interaction

► E.g., Playing chess





Individual decision-making (against nature)

► E.g., Gambling

Individual decision making in interaction

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Collective decision making

► E.g., Carrying a piano





Individual decision-making (against nature)

► E.g., Gambling

Individual decision making in interaction

► E.g., Playing chess

Collective decision making

- ► E.g., Carrying a piano
- ► E.g., Voting in an election

