**PPHA 44200: Advanced Microeconomics**

Instructor: Damon Jones  
Office: Keller 2035  
Office Hours: Tuesdays, 2:00p – 3:00p (or by appointment)  
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Teaching Assistants: Chinmaya Kumar, Zhaosong Ruan  
Office Hours: TBD

**Course Objectives:** Students will build upon neoclassical microeconomic theory by exploring deviations from the standard competitive model. Topics include competitive market partial equilibrium, imperfect competition, externalities, public goods and asymmetric information. Policy applications from public finance will be considered, including optimal income taxation.

**Prerequisites:** PPHA 44100 or instructor’s permission. You should be comfortable with calculus and linear algebra and game theory concepts covered in the fall quarter in PPHA 41102.

**Texts:**  
Varian, *Microeconomic Analysis, 3rd edition.* (Chapters 13, 14, 16, and 23 provided on Canvas under fair-use standards)  
Mas-Colell, Whinston, and Green, *Microeconomic Theory* (Only Chapter 13, also provided on Canvas under fair-use standards)

**Additional References:**  
Kreps, *A Course in Microeconomic Theory.*  
Salanić, *The Economics of Taxation*  
Tirole, *Industrial Organization.*

**Grades:** We base grades on homework assignments, a midterm exam, and a final exam. The weights are as follows:

- 35% Homework  
- 30% Midterm Examination  
- 35% Final Examination

**Schedule:** Remote instruction will be hybrid, with asynchronous lectures posted to the Canvas site, used in combination with live discussion and applications. Live, synchronous meetings will be held via Zoom on Mondays and Wednesdays from 8:00am – 9:20am. A take-home midterm exam will take place on Monday, February 15th and the take-home final exam will be held the week of March 15th.
**Homework:** You will have about 5 homework assignments for the class. You may work in groups on the homework, but each student must hand in individual assignments. Work must be handed in by the deadline. For every six (6) hours beyond the deadline, you will lose 5% of your grade, receiving zero (0%) percent once 24 hours have passed. Each assignment will receive an equal weight. **If you have an extenuating circumstance, please contact the professor to work something out.**

**Topics:**

(V) Hal Varian, *Microeconomic Analysis*  
(H) Hermalin, *Lecture Notes for Economics*  
(MWG) Mas-Colell, Whinston, and Gren *Microeconomic Theory*

1. Partial Equilibrium (V. 13, MWG. 10)  
2. Monopoly (V. 14, H. 2, 3, 4, 5)  
3. Oligopoly (V. 16)  
4. Externalities (V. 24)  
5. Public Goods (V. 23, H. 11)  
6. Asymmetric Information (MWG. 13)  
7. Applications: Optimal Taxation, Redistribution through Markets

**Accessibility:**

This is a classroom committed to access. If there are any changes that can be implemented to facilitate your greater participation, don’t hesitate to contact me so that we can make arrangements.

If you require any accommodations for this course, as soon as possible please provide the instructor with a copy of your Accommodation Determination Letter (provided to you by the Student Disability Services office) so that you may discuss with him/her how your accommodations may be implemented in this course.

The University of Chicago is committed to ensuring the full participation of all students in its programs. If you have a documented disability (or think you may have a disability) and, as a result, need a reasonable accommodation to participate in class, complete course requirements, or benefit from the University's programs or services, you are encouraged to contact Student Disability Services as soon as possible. To receive reasonable accommodation, you must be appropriately registered with Student Disability Services.

Please contact the office at (773) 702-6000/TTY 773-795-1186 or gmoorehead@uchicago.edu, or visit the website at disabilities.uchicago.edu. Student Disability Services is located at 5501 S. Ellis Ave.

**Title IX Resources and Mandated Reporting**

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1 Language adapted from the syllabus of Dr. Eve L. Ewing.
As a faculty member, I am considered an “Individual with Title IX Reporting Responsibilities.” This means that if you disclose to me instances of sexual assault, sexual harassment, other sexual misconduct, dating violence, domestic violence, or stalking, I am required to share this information with the Title IX Coordinator of the University. This person’s job is to advise members of our community on their options regarding remaining anonymous, confidentiality, the University’s process for investigating complaints of sexual misconduct, dating violence, domestic violence, and stalking, and the University’s disciplinary process.

If you wish to contact the Title IX Coordinator directly about any of these matters, you can do so by emailing bcollier@uchicago.edu, by calling 773.702.5671, or by writing to Bridget Collier, Office of the Provost, The University of Chicago, 5525 S. Ellis Ave., Room 171, Chicago, IL 60637.

If you need someone to talk to who does not have an obligation to report sexual misconduct, dating violence, domestic violence, and stalking to the Title IX Coordinators, you can reach out to these “Confidential Resources:”

- Sexual Assault Dean on Call (SADoC) 773.834.HELP
- Student Health Service 773.702.4156
- Student Counseling Service 773.702.9800
- Members of the Clergy (See spirit.uchicago.edu for more information.)

Territory Acknowledgement

I want to acknowledge that our course, at the University of Chicago, takes place on the traditional territory of the Peoria, Potawatomi, and Miami people.