



DEPARTMENT OF ECONOMICS

ECON 100C: MICROECONOMICS C

TIME & LOCATION: TUESDAYS & THURSDAYS, 11:00AM-1:50PM CSB 001

**SUMMER SESSION I 2013
SYLLABUS**

Instructor: Steven B. Levkoff, Ph.D.

E-mail: slevkoff@ucsd.edu

Instructor Webpage: <http://stevelevkoff.com>

Course Webpage: <http://ted.ucsd.edu>

Office: Economics Building, Room 111

Office Hours: Tuesdays & Thursdays, 5:00pm-6:00pm, open door, or by appointment

Course Description: This course is a continuation of ECON 100A and ECON 100B in the intermediate microeconomic theory sequence. Emphasis will be placed on the analysis of market imperfections. Topics include, but are not limited to market power, monopoly pricing, oligopolies, game theory & strategy, externalities & public goods, and information economics.

Prerequisites: In order to be enrolled in this course, you should have satisfactorily completed ECON 100B or ECON 170B, ECON 100A or ECON 170A, and ECON 1. Also, you should have taken some course in multivariate calculus or optimization (MATH 10C, MATH 20C, or MATH 21C) and be comfortable with basic integration and differentiation. Supplemental review materials for the mathematics required will be provided on TED and in the readings below.

Readings:

Required:

- [1] Microeconomics: Theory and Applications with Calculus, Jeffrey M. Perloff, 2nd Edition (any edition will suffice). The UCSD custom edition can be purchased at the bookstore and can also be found on reserve at the library.
- [2] Introduction to Economic Analysis, by Preston McAfee. This text is free online at <http://www.mcafee.cc/Introecon/IEA.pdf>. Good text to supplement with lecture material. (Did I mention free?)

- [3] *Industrial Organization: A Strategic Approach* by Church and Ware. This book can be found online for free at http://works.bepress.com/cgi/viewcontent.cgi?article=1022&context=jeffrey_church.
- [4] *Law's Order*, by David Friedman, Princeton University Press. Can be found online for free at http://www.daviddfriedman.com/laws_order/index.shtml.
- [5] Martin Osborne's Intermediate Mathematics Tutorial: <http://www.economics.utoronto.ca/osborne/MathTutorial/index.html>. This is suggested if you feel that your mathematics are "rusty."
- [6] Mark Machina's ECON 100A Mathematics Handout (on TED). This handout is a mathematical survival guide to optimization in intermediate microeconomic theory.
- [7] Additional supplemental slides & readings found online (TED)
- [8] *Micoeconomics: An Intuitive Approach With Calculus*, by Thomas J. Nechyba

Discussion Sections:

Section A01: PCYNH 122 / Wednesdays 2:00pm-3:50pm

Teaching Assistant: Albert Yoon (ahyoon@ucsd.edu)

Homework: While not a formal part of the course grade, problem sets will play a crucial role in developing your problem solving skills and should be taken *very seriously*. In the past, it has often been the case (and is no secret if you look at my course evaluations online) that students putting the most effort into the problem sets tend to perform best on the exams because *the problem sets tend to be much more difficult than exams*. Problem sets will be assigned regularly via TED. You are encouraged to work together to solve problem sets, discuss them in the TED discussion forum, and to email the TAs questions at the course Gmail account ECON100CSS13@gmail.com. The TAs will monitor these and reply as frequently as possible.

TED Access (course webpage): It is your responsibility to make sure you are enrolled in the online course (TED) and to routinely check it and your email for announcements and to access newly distributed material. You can email IWDC@ucsd.edu to get TED access for the course if you have added late. CC the instructor of the course (slevkoff@ucsd.edu) in the email to expedite approval.

Examinations: Due to the brevity of summer session, there will be only two exams: a midterm (administered at approximately weeks 2-3) and a final examination scheduled by the registrar. You can view the official final exam schedule at the bookstore's website: <http://bookstore.ucsd.edu/launch/scheduleofclasses.htm>. Please monitor this routinely for any schedule changes. All exams are cumulative (but not necessarily uniformly so).

Grading: High Exam=max(midterm, final) 60%

Low Exam=min(midterm, final)	40%
Total	100%

The course is graded on a relative curve (as is any college course). In particular, students will all be ranked from highest to lowest course score according to your final course grade calculated from the raw exam score weighting above. Letter grade assignments will depend on your percentile ranking in the class and a subjective assessment by the instructor in borderline cases (say, if there was marked improvement).

In the past, a student could typically guarantee themselves an A by ranking in the top 25% of students in the course and a B by ranking in the top 60%.

Some students feel that the grading scheme is risky in the sense that you have only 2 opportunities to prove yourself, so I will add the following “buffer” because I understand that sometimes people may have a bad midterm exam sitting: Since the final exam is cumulative, if you score a solid A on the final exam, (and ONLY a solid A), I will give you an A in the course and disregard your midterm grades (provided you’ve taken ALL of the midterms). I reserve the right to revoke this policy at any time for any reason.

Re-grade Policy: It should be known that there may be some questions on the exams that have no right or wrong answer, so how credit is awarded depends crucially on *how* you defended your answer. Accordingly, there is a *BIG* difference between an answer being a *technically correct answer* and an answer being *the best answer*. In these cases, credit is awarded (according to the grading rubric) for how close your answer comes to being the *best answer*. That is, an answer, while being technically correct, may not necessarily have been the best answer and hence, wouldn’t necessarily receive full credit despite technical correctness.

After your exams are graded, your TA’s will allow you *to see* your exam in either discussion or their office hours. If you find that there was a minor grading issue (ie: points were added up incorrectly), let us know and we will remunerate accordingly. If there is a major issue (ie: you don’t think points were awarded correctly according to the grading rubric), DO NOT remove the exam from the TA’s possession – leave it with your TA with a note on the front cover regarding the specifics of the re-grade request.

If your request for a re-grade is granted, the ENTIRE exam will be regarded (not just the part in question) and this could possibly result in higher OR lower scores. *Once you take the exam from the TA’s possession, it can no longer qualify for a re-grade.* You have one week from the announcement of the grade distribution to resolve grading issues. Otherwise, grades are NON-NEGOTIABLE and any requests that are determined to be *excessive* in scope may warrant further point deductions unless sound arguments are used to justify the request. The instructor and TAs reserve the right to refuse any request believed to be *excessive*.

Absences & Attendance: Any exam or quiz missed for a *legitimate, university approved* reason may be made up at the discretion of the instructor (this may include an oral evaluation as an alternative to taking a written exam or a re-weighting of the exams in the grade calculation shown above). You will receive a zero on any exam or quiz missed

without a legitimate reason. The instructor reserves the right to take attendance and give pop quizzes to be used in the determination of the course grade.

Supplemental Material & Slides: Throughout the course, the instructor may post supplemental readings and slides via TED. These materials are meant to be used in addition to the lecture and are not to be used as a substitute for going to lecture or reading the textbook. The instructor reserves the right to remove access to this material if he feels that it has adversely affected attendance in the lecture.

Classroom Decorum & Email: To avoid distracting others in the classroom, please arrive on time and do not leave early unless given prior permission. When class is in session, please respect others in the room and refrain from sending or receiving phone calls, pages, or text messages. Please be sure audible signals are turned off before class begins. Please restrict the use of email to the minimally necessary volume and put your full name at the end of email messages and the course name and number in the subject heading. Email questions regarding *how to do a particular homework problem* should be first directed to your TAs. If you can't make it to office hours, you can also email specific homework questions to ECON100CSS13@gmail.com and one of the TAs will respond to your query. Additionally, the TAs will monitor the discussion boards on TED, and these will be opened so that you can collaborate with your peers on problem sets. Questions regarding course policies will be directed to the syllabus (if applicable). All other general questions are welcome!

Statement of Academic Integrity: Integrity of scholarship is essential for an academic community. The University expects that both faculty and students will honor this principle and in so doing protect the validity of University intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind.

Examination Policies: Consistent with the University's mission to preserve academic integrity, there are several policies and procedures that must be adhered to by students during exams.

- 1) In order to be allowed into the exam, students must have:
 - A BLUE or BLACK PEN (Work can be done in pencil, but final answers should be marked in pen. If you use only pencil, you forfeit your chance for a re-grade.)
 - A BASIC or SCIENTIFIC calculator (no graphing calculators, cell phones, or other mobile devices unless given prior approval by the instructor)
 - Your UCSD student ID
- 2) During the exam, the following policies will be enforced:
 - Your seat will be randomized for each exam. When you enter the lecture on exam day, find your name and assigned seat number on the projector and quickly and quietly sit. Once everyone is seated, the exam will be handed out.

- BATHROOM BREAKS. You will only be allowed a bathroom break during the first half of the exam. Only one person will be allowed at a time.
 - No hats, hoodies, or sunglasses during the exam.
 - NO CELL PHONES ALLOWED DURING THE EXAM AT ANY TIME. Leave them turned off at home or in your bag.
- 3) Violations of academic integrity will not be tolerated. For this course in particular, violations include, but are not limited to anything that may be perceived as the following actions:
- looking at or copying from other students' exams
 - talking during an exam while exams are still out
 - looking at notes during an exam
 - taking the wrong version of an exam
 - removing an exam from the examination room
 - removing pages from an exam
 - falsifying identification or an exam book during or after the exam
 - sitting in the wrong seat during an exam (if applicable)
 - using an unapproved device/item during an exam (ie: programmable calculator, cell phone, etc. - see above list)

Violation (or perceived violation) of any of the abovementioned policies will be enforced via zero tolerance and referred to the student conduct process, so don't do anything that would even come close to something that an observer would potentially interpret as academic dishonesty. NO EXCEPTIONS.

Tentative Schedule of Topics (Subject to Change):

Week of	Tuesday	Thursday	Events	Readings
7/1	<ul style="list-style-type: none"> • Introduction & Syllabus • Efficiency, Equity, Surplus & Welfare • Price Controls • Profit Maximization: P.C. – Monopoly Spectrum • Uniform Pricing Monopoly in a Single Market 	NO CLASS 4th of July	PS1	[1]: 2.6, 2.7, 5.1, 5.3, 5.4, 8, 9, 10, 11 [2]: 6.1, 6.2, 6.5.1-6.5.3 [3]: 2.1-2.3, 2.4-2.7, 3, 12 [4]: 2 [5], [6], [7] [8]: 10, 11, 13, 18, 19, 23

7/8	<ul style="list-style-type: none"> Measuring Market Power & the Lerner Index Types of Price Discrimination Perfect Price Discrimination Discriminating Residual Demand Uniform vs. 3rd Degree Pricing in Multiple Markets 	<ul style="list-style-type: none"> Non-linear (2nd degree) pricing & two-part tariffs w/ one or more consumer types and varying information constraints Static Games Dominance & IESDS Nash Equilibrium Mixing Existence 	PS2	[1]: 12, 13 [2]: 6.5.4-6.5.8, 7.1.1-7.1.4 [3]: 4-7 [4]: [8]: 23, 24
7/15	<ul style="list-style-type: none"> Dynamic Games Sequential moves & sub-game Perfect Nash Equilibrium Finitely & Infinitely Repeated Games Continuous Games 	<ul style="list-style-type: none"> MIDTERM EXAM (first half of class) The Linear Demand Model of Cournot Duopoly Cartel Solution Stackelberg N-firms 	PS3	[1]: 13, 14, 15.4 [2]: 7.1.5-7.1.8, 7.2, 7.4, 7.6 [3]: 8, 9, 11 [8]: 24, 25, 26
7/22	<ul style="list-style-type: none"> Bertrand Price Competition Homogeneous vs. Differentiated Products Sequential Bertrand Repeated Oligopoly & Cartel Stability 	<ul style="list-style-type: none"> Externalities in a Partial Equilibrium Framework Externalities in a GE Framework Pigouvian Solution Coase Theorem 	PS4	[1]: 17.1-17.4 [2]: 6.3.1-6.3.3 [4]: 3-5 [7]: Ronald Coase “The Problem of Social Cost” (on TED) [8]: 21

7/29	<ul style="list-style-type: none"> • Rivalry and Excludability • Public Goods & Free Riding • Common Property Resources • Open Access Equilibrium • Strategic Models 	<ul style="list-style-type: none"> • Asymmetric Information • Optimal Contract Theory • Moral Hazard • Adverse Selection 	PS5	[1]: 16, 17.6-17.7, 18, 19 [2]: 6.3.6, 6.4, 6.6 [4]: 6-7 [8]: 22, 27
8/3	Saturday FINAL EXAM 11:30am-2:30pm			