

University of California at Irvine  
Department of Economics

**Economics 105C**  
**Quantitative Intermediate Economics III**

Spring 2009

**Instructor** : Professor Min Ouyang  
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**Email** : [mouyang@uci.edu](mailto:mouyang@uci.edu)  
**Office Hours** : Wed 3:30 – 5:30p (or by appointment)  
**Time and Location of the Lectures:** Tue & Thu 2:00 – 3:20 p.m., SST 120.  
**Course Webpage** : <http://www.socsci.uci.edu/~mouyang/econ105C.htm>

**COURSE DESCRIPTION AND TEXTBOOKS**

This course is the third of the three-course sequence in quantitative intermediate economics. We plan to cover four topics of macroeconomics: growth, consumption, investment, and unemployment. Emphasis will be put on the micro-foundations of the macroeconomy.

The Econ 105 sequence is distinguished from the regular intermediate theory sequence (Econ 100) by its more advanced treatment of the material, making extensive use of quantitative techniques. The techniques are not ends in themselves, but used for gaining a deeper understanding of the fundamental ideas of modern micro and macroeconomics.

**Prerequisites:** Economics 105A and 105B. Students should be comfortable using the tools of calculus.

**Readings:** Gregory Mankiw, Macroeconomics, 6th edition, Worth Publishers.  
David Romer, Advanced Macroeconomics, 3<sup>rd</sup> edition, McGraw-Hill Irwin.

**TEACHING ASSISTANT**

**Harry Hong, [honghj@uci.edu](mailto:honghj@uci.edu)**

Each student must register a session. **The teaching assistant is authorized to sign add cards for the sessions, and they are also authorized to sign add and drop cards for the course during the first two weeks of the quarter. After Apr. 10<sup>th</sup>, 2009, no students will be allowed to enroll in or drop off this class; you won't be able to change the grade option either.**

During the discussion sessions, the teaching assistants review the course materials, hand out additional problem sets and discuss the answer key. Questions on the exams are very similar to, but not exactly like, the questions on these problem sets. The exams are based on understanding the material and concepts, which the problem sets are meant to guide you through.

## **LECTURE OUTLINE**

This course outline is subject to revisions. Please check the course webpage regularly for the latest version.

<b>Week</b>	<b>Topic</b>	<b>References</b>
Week #1	Measuring the Macroeconomy	Mankiw Chapter 2
Week #2	Growth	Mankiw Chapters 7, 8; Romer Chapter 1
Week #3	Growth	Mankiw Chapters 7, 8; Romer Chapter 1
Week #4	Consumption	Mankiw Chapters 7, 8; Romer Chapter 7
April 23: First Midterm Exam		
Week #5	consumption	Mankiw Chapter 16; Romer Chapter 7
Week #6	Consumption,	Mankiw Chapter 16; Romer Chapter 7
Week #7	Investment	Mankiw Chapter 17; Romer Chapter 8
Week #8	Investment	Mankiw Chapter 17; Romer Chapter 8
May 21: Second Midterm Exam		
Week #9	Unemployment	Mankiw Chapter 6; Romer Chapter 9
Week #10	Unemployment	Mankiw Chapter 6; Romer Chapter 9
June 11: Final Exam		

## **EXMINATIONS AND GRADES**

There are two mid-terms and a final. Each midterm will take 30% and the final will take 40% of the course grade. The exams are scheduled as follows. Please do not register this course if you cannot attend *any* of these exams.

**First Midterm Exam: Thursday, Apr. 23, 2009, the regular lecture time.**

**Second Midterm Exam: Thursday, May. 21, 2009, the regular lecture time.**

**Final Exam: Tuesday, June 11, 2009, from 4:00 to 6:00 pm.**

There will be an **optional assignment for extra credit**, which may improve your course grade by 5% at the maximum. Details to be announced.

## **POLICIES AND IMPORTANT NOTES**

- All exams are closed-book. Please bring blue/black ink pens to each exam.
- Cheaters will automatically get an "F" for this course and will be subject to additional punishments and sanctions. Talking during exams and/or leaving the exam room without permission are considered cheating. Using a cell phone or any other

electronic device during an exam, unless specially permitted by the professor before the exam, is also cheating.

- Missing exams will be severely frowned upon – you will need a substantial, truly dramatic reason, such as a severe injury or the death of an immediate family member. Proving documents will have to be provided. **There will be no makeup exams.**
- If you have a question about a grade on an exam, you must submit a brief essay explaining precisely what the problem is. We reserve the right to regrade the entire exam in addition to the question you are complaining about.
- Check regularly the course webpage for additional reading materials and announcement.

### **WHERE TO LOOK FOR HELP**

Try taking advantage of the lectures, discussion sessions and the office hours of the professor and the teaching assistants. It is most useful if you read the book chapters and work on problem sets carefully. The TAs will be happy to discuss any of these questions during the discussion sessions. You are always welcome to the professor's office hours.