

Microeconomic Theory I

ECO 7115 (Spring 2022)

Class Time and Location

The class meets on Tuesday and Thursday from 2:00pm to 3:15pm in GC-271B.

Course Description

This is the second course of the graduate microeconomics sequence. It focuses on competitive markets and general equilibrium. This includes not just the traditional static model, but also general equilibrium over time and with financial markets, focusing on the construction of consistent general equilibrium models, and the characterization of their solutions. The course also examines welfare analysis, both within general equilibrium models, and through the development of empirical measures of economic welfare.

Textbooks

- My micro theory manuscript, which will be made available to the class.

Much of the material is also covered in MWG. The course outline shows the relevant chapter correspondence between MWG and my manuscript.

- Andreu Mas-Colell, Michael Whinston, and Jerry Green, *Microeconomic Theory*, Oxford University Press, New York, 1995.

Lecture Notes

1. [Chapter 3](#).

Office Hours and Contact Info

If you have questions, you may ask immediately after class, or come to my office. Regular office hours are 12:45-1:45pm and 3:30-4:45pm on Tuesdays and Thursdays. I will be happy to make an appointment for another time if that is more convenient. My office is **DM-311A**, my phone

number is **305-348-3287**, and my email is [<boydj@fiu.edu>](mailto:boydj@fiu.edu) or [<John.Boyd@fiu.edu>](mailto:John.Boyd@fiu.edu).

Exams and Homework

The in-class midterm will be worth 35% of your grade. The final is worth 50% of your grade.

The **mid-term** is tentatively scheduled for Tuesday, March 8.

The **final** will be at the officially scheduled time and place, **12 noon, Thursday, April 28**, in GC-271B.

Sample Exams

The material covered varies from year to year and some of the questions on previous exams may not be relevant for the material we cover this year. A few of the answers contain minor errors.

Old Midterms	Old Finals
2011 with answers.	2011 (answers).
2012 with answers.	2012 with answers.
2013 with answers.	2013 with answers.
2014 with answers.	2014 with selected answers.
2015 with answers.	2015 (answers).
2016 with answers.	2016 with answers.
2017 with answers.	2017 with answers.
2018 with answers.	2018 with answers.
2019 with answers.	2019 with answers.
2020 with answers.	2020 with answers.
2021 with answers.	2021 with answers.

Homework

Homework assignments will count for the remaining 15% of your grade. Homework assignments will appear here as they are made.

Homework Assignments

Homework assignments and answers will appear here.

1. TBA

Tentative Course Outline

You are responsible for the material covered in any sections of the manuscript mentioned in the outline.

I strongly recommend that you make sure you are familiar with the material in the non-starred sections of chapters 1-2 and 4-6 of the manuscript. Much of this should be familiar from Fundamentals Micro, and a bit of it appeared in Math Methods.

The table lists the closest corresponding chapter in Mas-Colell, Whinston, and Green (MWG). In some cases, the correspondence is not very close. We will not cover all of the material in the manuscript. I will occasionally update the list to reflect material actually covered.

Week	Dates	Manuscript Chapter	Subject	MWG Chapter
1-2	Jan. 11, 13, 18	3	Homotheticity and Separability	N/A
2	Jan. 18, 20	7-8	Duality	N/A
3	Jan. 25, 27	9-10	Theory and Measurement	N/A
4	Feb. 1, 3	13	Production Sets and Profit	5
5	Feb. 8, 10	14	Firm and Market Supply	5
6	Feb. 15, 17	15	Competitive Equilibrium	15
7	Feb. 22	16	Equilibrium Existence	17A-C
7	Feb. 24	19	Pareto Optimality I	16
-	Feb. 28-Mar. 4	--	No Class! Spring Break	
8	Mar. 8	Midterm	Midterm (thru Chap. 15)	
8	Mar. 10, 15	20	Economic Welfare	16

9	Mar. 15, 17	21	The Edgeworth Conjecture	18
10	Mar. 22, 24	22	Preferences and Risk	6
11	Mar. 29, 31	23	Attitudes toward Risk	6
12	Apr. 5, 7	25	Equilibrium over Time	20
13	Apr. 12, 14	27	Equilibrium in Complete Asset Markets	19
14	Apr. 19, 21	28	Radner Equilibrium	19
15	Apr. 28	Final	12 noon in GC-271B	