

# ECP 5702: Managerial Economics

## Instructor

Dr. Thomas Knight

Office: Matherly Hall 224

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Class Meetings: Monday and Wednesday, 8:00-10:45am in Hough Hall 140

Required Materials: *The Economics of Managerial Decisions* by Roger D. Blair and Mark Rush

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## COURSE DESCRIPTION

The purpose of this course is to provide an analytical foundation for making sound managerial decisions. To this end, we will investigate a number of microeconomic models and develop many important and well-known results. We will apply the intuition and insights that these models offer to a variety of managerial problems with which you may be faced in your future as a manager. Through in-class discussions and exercises (ungraded), problem sets (graded), and a final exam (graded), I hope to build your confidence in employing these analytical tools and to equip you with the requisite knowledge for making sound managerial decisions.

The content of this course will provide the microeconomic foundation for the topics covered in your finance, management, and marketing courses. I should emphasize that memorization will not be a strong study strategy, and even more importantly, memorization of specific examples and problems from class will not be particularly helpful in your career. Instead, gaining a working understanding of some basic microeconomic principles and developing competence with the analytical tools covered in this course will allow you to analyze numerous unfamiliar managerial problems.

## CORE REQUIREMENTS

1. Continued enrollment in this course is equivalent to acceptance of all stated responsibilities, policies, and due dates. If there is anything that is unclear, talk to me *immediately*. Waiting until the end of the term often results in less favorable outcomes.
2. Students are expected to attend in-person class meetings. I encourage you to ask questions during these lectures to make the classroom environment as interactive and engaging as possible. This will be more enjoyable for everyone, and you will get more out of the course.
3. Students are expected to complete five analytic problem sets. These problem sets relate to the topics of the preceding lectures, are intended to offer you practice with the relevant mathematical techniques, and should help prepare you for the final exam. In some cases, questions offer important extensions of the material covered in class. *See Page 3 for a more thorough explanation.*
4. There is a cumulative final exam that is required for successful completion of this course. This exam is an in-class, closed-book exam, and is to be taken individually. As the course progresses, I will explain the structure and composition of the exam.

### **COURSE COMMUNICATIONS**

Announcements concerning the class will typically be made during class meetings and by email. You are responsible for all information made available through both of these avenues of communication. It is assumed that you are attending each lecture, and that you are regularly monitoring your UF email account (i.e., checking it daily).

I will not use the Canvas messaging feature, nor respond to these messages. I archive all email messages, and Canvas does not generate a usable record of our correspondence. Send all email correspondence to [thomas.knight@ufl.edu](mailto:thomas.knight@ufl.edu) using your UF email account

### **OFFICE HOURS**

I hold virtual office hours in Zoom every Tuesday, 2:00-3:00pm. The meeting link and password are published on the Start Here page in our Canvas course site.

### **COURSE GRADING POLICY**

Grades are calculated and assigned according to a total point system. There are 100 possible points, and the breakdown is as follows:

- 1) Each of the 5 Problem Sets is worth 10 possible points.
- 2) The Final Exam is worth 50 possible points.

I will use this calculation to determine each student's within class standing and assign final grades based on that information.

### **FINAL EXAM**

The Final Exam will be administered during our final class meeting on Wednesday, June 16. This is a closed book/closed note exam. While you will have the complete class period to complete this exam, it has been written to take no more than 90 minutes.

Non-programmable, four-function and scientific calculators are allowed; no other calculators are permitted. You may not use a graphing calculator or any device with communications abilities. The use of cell phones, PDAs, or any other programmable device during an exam is not allowed, and violating this policy constitutes a violation of the University of Florida Student Honor Code.

### **PROBLEM SET GUIDELINES**

There are five problem sets required for successful completion this course. These problem sets are designed to provide you with practice with the theories, models, and analytical tools covered in the course. My hope is that these problem sets will assist you in understanding the technical content of this course, and in preparing for the final exam.

You should submit a single PDF file into Canvas by the deadline. Your scanned submission should be high-quality and professionally presented. Your handwriting must be legible, and graphs must be accurate. Responses that are not clearly correct and presented professionally will not earn credit. Late submissions will not be accepted.

You may work in groups, but each student is responsible for turning in his or her own work, which must include his or her own individual mathematical derivations and written explanations. Submitting another student's work as your own constitutes a violation of the UF Honor Code and will be reported to the Dean of Students Office.

All Problem Sets should be submitted to Canvas by the posted due date and time. Late submissions will not be accepted, even a few minutes late. Additionally, submissions MUST adhere to the following guidelines:

- 1) All submissions should be typed (including math equations) and sent in a PDF file.
- 2) Assignments should be professionally presented. Your name should appear at the top of each page as a header, and pages should be numbered.
- 3) All graphs should be legible and accurate. Approximations and sloppy expositions are rarely sufficient for receiving credit.

### **PROBLEM SET SCHEDULE**

<b><u>Problem Set</u></b>	<b><u>Opening Date</u></b>	<b><u>Due Date</u></b>
Problem Set 1	Monday, May 10 @ 11am	Friday, May 14 @ 3pm
Problem Set 2	Monday, May 17 @ 11am	Friday, May 21 @ 3pm
Problem Set 3	Monday, May 24 @ 11am	Friday, May 28 @ 3pm
Problem Set 4	Monday, May 31 @ 11am	Friday, June 4 @ 3pm
Problem Set 5	Monday, June 7 @ 11am	Friday, June 11 @ 3pm

### **ACADEMIC HONESTY**

You may collaborate on the Problem Sets, but you should turn in your own submission that represents your own efforts and analyses. The final exam is taken individually.

You are expected to abide by the University's rules for academic honesty. These rules are available for your review at <https://sccr.dso.ufl.edu/process/honor-code/>

I take these rules very seriously and am committed to upholding the policies and integrity of the University of Florida and the UF MBA program. Cheating, plagiarism, or any other behavior that violates these rules will be reported and prosecuted to the fullest extent.

## COURSE OUTLINE (AND ASSIGNMENT SCHEDULE)

### WEEK 1

**Monday, May 10:**      **Syllabus and Introduction to Supply and Demand**  
Read: Chapter 2

**Wednesday, May 12:** **Supply and Demand**  
Read: Chapter 2

**PROBLEM SET 1 due Friday, May 14 (3:00pm)**

### WEEK 2

**Monday, May 17:**      **Production and Costs**  
Read: Chapter 4

**Wednesday, May 19:** **Competitive Markets**  
Read: Chapter 5

**PROBLEM SET 2 due Friday, May 21 (3:00pm)**

### WEEK 3

**Monday, May 24:**      **NO CLASS**

**Wednesday, May 26:** **Monopoly Markets**  
Read: Chapter 6

**PROBLEM SET 3 due Friday, May 28 (3:00pm)**

### WEEK 4

**Monday, May 31:**      **NO CLASS: MEMORIAL DAY HOLIDAY**

**Wednesday, June 2:** **Advanced Pricing Decisions**  
Read: Chapter 10

**PROBLEM SET 4 due Friday, June 4 (3:00pm)**

### WEEK 5

**Monday, June 7:**      **Cartels and Oligopoly**  
Read: Chapter 7

**Wednesday, June 9:** **Game Theory and Oligopoly**  
Read: Chapter 8

**PROBLEM SET 5 due Friday, June 11 (3:00pm)**

**WEEK 6**

**Monday, June 14:      Advanced Production Decisions**  
Read: Chapters 11 and 12

**Wednesday, June 16: Final Exam**