

University of Florida  
Department of Economics  
ECO 3101: Intermediate Microeconomics

Fall 2021 Syllabus

Instructor: Urbashi Mookerjee

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Class Hours: M/W 11:45am -1:40pm

Room: Matherly Hall 103

Office Hours: T/F 2pm -3pm (online), and by appointment

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### **Prerequisites:**

Principles of Microeconomics (ECO 2023 or equivalent) and Calculus I (MAC 2233 or equivalent)

### **Required Material and Textbooks:**

Required: "Intermediate Microeconomics" by Hal R. Varian, Ninth edition, Norton Publishers

Recommended: "Microeconomics" by Robert S. Pindyck and Daniel L. Rubinfeld, Ninth edition, Pearson Publishers

### **Course Description**

This course is designed to give the students a deeper understanding of the core concepts of microeconomic theory, such as consumer behavior and market demand analysis, firm production theory as well as the analysis of the different types of market structures. The main purpose of this course is to develop the tools required, theoretical and mathematical, to analyze economic problems.

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## Exams

There will be three exams in total, 2 midterms and 1 final, all of which will be non-cumulative. If you can not take one of the exams, please let me know as early as possible.

All exams will be closed book exams. A simple four function calculator will be allowed, graphing calculators will not be allowed.

## Homework and Quiz

There will be 18 quizzes and 12 assignments. Quizzes will be based on theory and concepts and will be posted after every class and will be due the next day by midnight. For the topics that take two classes to finish, the quiz will be posted after the second class. Assignments will have mathematical questions and will be posted every Monday (unless stated otherwise in the following course outline) and will be due by midnight the following Sunday. Please upload all submissions as a single pdf file on Canvas. Feel free to work in groups but each of you must submit an individual non-plagiarized solution. Late homeworks (a doctor's note or an email informing me about circumstances will be accepted) and unexcused absences from in-class exams will result in a grade of 0.

## Grading

The assignments and quizzes will account for 20% of the final grade. They will be graded based on completion.

The exams and the homeworks will be given the following weights:

1. Midterm I : 30%
2. Midterm II: 25%
3. Final: 25%
4. Homework and Quizzes: 20%

Baseline Grading scale

1. 90-100 A
2. 87-89 A-
3. 84-86 B+
4. 78-83 B
5. 75-77 B-
6. 72-74 C+
7. 65-71 C

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8. 62-64 C-
  9. 59-61 D
  10. 0 -58 E

For the final letter grade, I will curve based on overall class scores at the end of the semester. Any curve will only ever make it easier to obtain a certain letter grade.

## Course Policies

**Attendance Policies and Online Meeting Requirements:** Requirements for class attendance, make-up exams, assignments and other work in this course are consistent with university policies that can be found at: <http://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> and

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx> respectively.

Most of our one-on-one communication will occur via email. There are two important course policies regarding email: 1) I expect that you are reading your email at least once per day, and 2) All emails that you send must follow basic rules for professional correspondence. If you are unsure of what constitutes professionalism, feel free to ask or simply err on the side of caution.

**Academic Honesty:** The university's policies regarding intellectual honesty are given in detail in the Student Honor Code

(see <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>).

**Counseling:** If you are ever having general issues with your coursework in any course or trouble in your personal life, please seek help from myself or another faculty member. I also encourage you to utilize the FREE and ANONYMOUS services of the UF Counseling and Wellness Center (352- 392-1575; <http://www.counseling.ufl.edu/cwc/>).

**Disabilities:** "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester."

**Online Course Evaluations:** I strongly encourage you to fill out the online course evaluation forms which can be found at <https://evaluations.ufl.edu> .

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## Covid Guidelines

In response to COVID-19, the following practices are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- If you are not vaccinated, get vaccinated. Vaccines are readily available at no cost and have been demonstrated to be safe and effective against the COVID-19 virus. Visit this link for details on where to get your shot, including options that do not require an appointment: <https://coronavirus.ufhealth.org/vaccinations/vaccine-availability/>. Students who receive the first dose of the vaccine somewhere off-campus and/or outside of Gainesville can still receive their second dose on campus.
- You are expected to wear approved face coverings at all times during class and within buildings even if you are vaccinated. Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.
  - Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
  - Hand sanitizing stations will be located in every classroom.
- If you are sick, please stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email [covid@shcc.ufl.edu](mailto:covid@shcc.ufl.edu)) to be evaluated for testing and to receive further instructions about returning to campus. UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the UF Health Screen, Test & Protect website for more information.
  - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.
  - If you are withheld from campus by the Department of Health through Screen, Test & Protect you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.
- Continue to regularly visit [coronavirus.UFHealth.org](https://coronavirus.UFHealth.org) and [coronavirus.ufl.edu](https://coronavirus.ufl.edu) for up-to-date information about COVID-19 and vaccination.

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## Course Outline

- Week 1: **Module I**  
August 23rd: Syllabus and Math Review: Appendix  
Assignment 1 posted  
August 25th: Budget Constraint: Chapter 2
- Week 2  
August 30th: Preferences: Chapter 3  
Assignment 1 due  
Assignment 2 posted  
September 1st: Utility: Chapter 4
- Week 3  
September 6th: Holiday  
September 8th: Choice: Chapter 5  
Assignment 2 due
- Week 4  
September 13th: Demand: Chapter 6  
Assignment 3 posted  
September 15th: Demand Continued : Chapter 6  
Revealed Preference: Chapter 7
- Week 5  
September 20th: Revealed Preference Continued: Chapter 7  
Assignment 3 due  
Assignment 4 posted  
Slutsky Equation: Chapter 8  
September 22nd: Slutsky Equation Continued: Chapter 8
- Week 6  
September 27th: Market Demand: Chapter 15  
Assignment 4 due  
Assignment 5 posted  
September 29th: Equilibrium: Chapter 16

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- Week 7  
October 4th: Exam Review I  
Assignment 5 due  
October 6th: Midterm I
  - Week 8: **Module II**  
October 11th: Technology: Chapter 19  
Assignment 6 posted  
October 13th: Profit Maximization: Chapter 20
  - Week 9  
October 18th: Cost Minimization: Chapter 21  
Assignment 6 due  
Assignment 7 posted  
October 20th: Cost Curves : Chapter 22
  - Week 10  
October 25th: Firm Supply: Chapter 23  
Assignment 7 due  
Assignment 8 posted  
October 27th: Industry Supply: Chapter 24
  - Week 11:  
November 1st: Exam Review II  
Assignment 8 due  
November 3rd: Midterm II
  - Week 12: **Module III**  
November 8th: Monopoly: Chapter 25  
Assignment 9 posted  
November 10th: Monopoly Continued: Chapter 25  
Monopoly Behavior: Chapter 26
  - Week 13  
November 15th: Monopoly Behavior Continued: Chapter 26  
Assignment 9 due  
Assignment 10 posted  
November 17th: Oligopoly: Chapter 26
  - Week 14  
November 22nd: Oligopoly Continued : Chapter 28  
Assignment 10 due  
Assignment 11 posted

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November 24th: Holiday

- Week 15

November 29th: Game Theory: Chapter 29

Assignment 11 due

Assignment 12 posted

December 1st: Game Applications: Chapter 30

- Week 16

December 6th: Exam Review III

Assignment 12 due

December 8th: Final Exam