

ECO3101 - INTERMEDIATE MICROECONOMICS

Fall 2024

Instructor:	Ann Atwater	Email:	annatwater@ufl.edu
Classroom:	MAT 103	Class Time:	MW 1:55 P.M. - 3:50 P.M.
Office:	MAT 301	Office Hours:	MW 1:00 P.M. - 1:40 P.M.

Office Hours: Monday and Wednesday 1:00 P.M. - 1:40 P.M.

Prerequisites: Either

- Both of
 1. ECO 2023 - Principles of Microeconomics
 2. MAC 2233 or Higher Level Calculus Course
- AEB 3103 - Principles of Food and Resource Economics

Course Page: Available on Canvas.

Course Description: In this class, students will be exposed to advanced microeconomic models using calculus. We will spend the first month of class working on demand side models, the second month of class working on supply side models, and the third month of class extending these models to cover assorted topics in public economics, labor economics, and urban economics. Throughout class, students will be exposed to both the strengths and weaknesses of these models in evaluating real phenomenon, and will be required to apply them to real world situations.

Required Textbook: *Intermediate Microeconomics with Calculus: A Modern Approach* by Hal R. Varian, 1st Edition. ISBN: 0393923940

Grading Thresholds:

A	93 - 100
A-	90 - 92.99
B+	87 - 89.99
B	83 - 86.99
B-	80 - 82.99
C+	77 - 79.99
C	70 - 75.99
D	60 - 69.99
E	0 - 59.99

Grading Breakdown:

Homework #1.1	1%
Homework #1.2	1%
Homework #1.3	1%
Homework #2.1	1%
Homework #2.2	1%
Homework #2.3	1%
Homework #3.1	1%
Homework #3.2	1%
Homework #3.3	1%
Extra Credit Assignment	2%
Quizzes	10%
Midterm #1	27%
Midterm #2	27%
Final Exam	27%
Total	102%

Important Dates:

Labor Day (No Class)	September 2, 2024
Veteran's Day (No Class)	November 11, 2024
Thanksgiving Break (No Class)	November 25, 2024
Thanksgiving Break (No Class)	November 27, 2024
Homework #1.1 Due	September 11, 2024
Homework #1.2 Due	September 18, 2024
Homework #1.3 Due	September 25, 2024
Homework #2.1 Due	October 14, 2024
Homework #2.2 Due	October 21, 2024
Homework #2.3 Due	October 28, 2024
Homework #3.1 Due	November 13, 2024
Homework #3.2 Due	November 20, 2024
Homework #3.3 Due	December 2, 2024
Extra Credit Assignment	November 6, 2024
Midterm #1	September 30, 2024
Midterm #2	October 30, 2024
Final Exam	TBD

Assignment Policies:**Homework:**

- All homework assignments are due by 8:00 A.M. on the day listed in the important dates section of the syllabus. For example, the first homework assignment is due at 8:00 A.M. on TBD.
- Homework assignments will be graded based on showing plausible work. If you do not show work for a problem, you will receive half credit for that question even if your answer is correct. I need you to give these the old college try.
- Answer keys for homework assignments will be posted on the day that they are submitted.
- We will go over the answer keys for each group of homework assignments in the class period before their corresponding exam.

- Homework assignments can be completed as a group of up to four people.
 - If you complete homework as a group, each member must submit to canvas individually. Include all group members's names in the file. Students in the same group may submit the same file. This is required to avoid you assigning a group member to submit the file and them forgetting to submit it.
- Homework turned in late will not be accepted except with a valid excuse under university policy.

Quizzes:

- This course will include 9 quizzes.
- Quizzes will not be announced in advance.
- They will be conducted during the second half of class, after the break.
- Your lowest three quiz grades will be dropped. This is to allow students to miss a few lectures without being penalized. Quizzes are used to motivate attendance, which will help you greatly in the course.

Exams:

- Exams will be held in class at the normal lecture time. You will receive 100 minutes to complete them.
- Scientific calculators are allowed to be used on the exams. Graphing calculators are **prohibited** in the interest of exam fairness.
- Exam questions will be based on the concepts discussed in class and will strongly resemble the structure of the homework.
 - Doing the homework is the best way to prepare yourself for the exam.

Class Policies:

- I expect you to behave respectfully towards your fellow students in this course.
- There will be a fifteen minute break in the middle of class. This will give everyone time to get water, use the restroom, etc. If I have not given this break by 3, please inform me.

Attendance: Acceptable reasons for absence from or failure to engage in class are those specified by the University. These are: illness; Title IX-related situations; serious accidents or emergencies affecting the student, their roommates, or their family; special curricular requirements (e.g., judging trips, field trips, professional conferences); military obligation; severe weather conditions that prevent class participation; religious holidays; participation in official university activities (e.g., music performances, athletic competition, debate); and court-imposed legal obligations (e.g., jury duty or subpoena). Other than these reasons, your absence will not be excused.

For a planned absences, you must inform me as early as possible prior to the class. For all unplanned absences because of accidents or emergency situations, please contact me when conditions permit. For both planned and unplanned absences, you are expected to provide me with acceptable documentation supporting the excuse. The University of Florida Care Area can assist you in providing documentation.

If you miss class due to an approved reason and miss a quiz or exam, I will work with you to schedule a makeup. This is to be scheduled as soon as possible to the original graded assignment so as to minimize disruption.

Policy on Students with Disabilities: Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center. It is

important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Academic Honesty: The University of Florida holds its students to the highest standards, and we encourage students to read the University of Florida Student Honor Code and Student Conduct Code (Regulation 4.040), so they are aware of our standards. Any violation of the Student Honor Code will result in a referral to the Student Conduct and Conflict Resolution and may result in academic sanctions and further student conduct action. The two greatest threats to the academic integrity of the University of Florida are cheating and plagiarism. Students should be aware of their faculty's policy on collaboration, should understand how to properly cite sources, and should not give nor receive an improper academic advantage in any manner through any medium.

Generative Artificial Intelligence: The Department of Economics faculty assume that all work that is submitted for grading is written by the student whose name it bears, and that it represents their ideas and work. Accordingly, students are not permitted to use generative AI when completing assignments, quizzes, exams, or other graded work unless their instructor has expressly granted that permission. Unauthorized use of generative AI may constitute cheating and/or plagiarism. Such violations of the UF Student Honor Code will be reported to the UF Dean of Students Office and will be subject to severe sanctions. Generative AI includes but is not limited to ChatGPT, DALL-E, and Google Bard.

Online Course Evaluations: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Provisional Semester Calendar

Topics are subject to change.

Unit 1: Consumption

Lecture 1 August 26, 2024

1. Go Over Syllabus
2. Course Introduction - Intention, Learning Goals
3. Calculus Review
4. Calculus Worksheet

Lecture 2 August 28, 2024

1. Calculus Practice
2. Budget Constraints and Lines
3. Budget Constraint Worksheet

Lecture 3 September 4, 2024

1. Preferences - Types, Representation
2. Utility

Lecture 4 September 9, 2024

1. Consumer Demand
2. Optimal Bundle Choice
3. Demand Formula

Lecture 5 September 11, 2024

1. Consumer Demand
2. Elasticity
3. **Homework 1.1 Due by 8:00 A.M.**

Lecture 6 September 16, 2024

1. Slutsky Equation
2. Revealed Preferences
3. Start Market Demand

Lecture 7 September 18, 2024

1. Market Demand
2. **Homework 1.2 Due by 8:00 A.M.**

Lecture 8 September 23, 2024

1. Market Demand
2. Repugnant Markets

Lecture 9 September 25, 2024

1. **Homework 1.3 Due by 8:00 A.M.**
2. Go Over Homework #1
3. Midterm #1 Review

Midterm 1 September 30, 2024

Unit 2: Production**Lecture 10** October 2, 2024

1. Connections to Consumption
2. Market Structures
3. Perfect Competition Part 1

Lecture 11 October 7, 2024

1. Perfect Competition Part 2
2. Welfare (Consumer/Producer Surplus)

Lecture 12 October 9, 2024

1. Go Over Midterm #1.
2. Perfect Competition Part 3

Lecture 13 October 14, 2024

1. Monopoly Part 1
2. Market Power
3. **Homework 2.1 Due**

Lecture 14 October 16, 2024

1. Monopoly Part 2

Lecture 15 October 21, 2024

1. Monopolistic Competition Part 1
2. **Homework 2.1 Due**

Lecture 16 October 23, 2024

1. Monopolistic Competition Part 2

Lecture 17 October 28, 2024

1. **Homework 2.1 Due**
2. Go Over Homework #2
3. Review for Midterm #2

Midterm 2 October 30, 2024

Unit 3: Topics in Microeconomics**Lecture 18** November 4, 2024

1. Industrial Organization: Oligopoly

Lecture 19 November 6, 2024

1. Industrial Organization: Oligopoly
2. **Extra Credit Assignment Due**

Lecture 20 November 13, 2024

1. Labor Economics: Monopsony
2. **Homework 3.1 Due**

Lecture 21 November 18, 2024

1. Public Economics: Externalities
2. Go Over Midterm #2.

Lecture 22 November 20, 2024

1. Public Economics: Taxation and Quotas
2. **Homework 2.2 Due**

Lecture 23 December 2, 2024

1. Review
2. Flex Day
3. **Homework 2.3 Due**

Lecture 24 December 4, 2024

1. Review / Final Exam

Final Exam TBD