

## Syllabus

Instructor: **Marco A. Castaneda**  
Location: CAS 138  
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Lectures: Tuesday and Thursday, 08:00-09:20am  
CAS 208

Hours: Wednesday and Friday, 08:30-09:30am, online  
Thursday, 03:00-04:00pm, in-person

### 1 Description

This course is an introduction to the formal analysis used in microeconomics. In this course, we will study the behavior of consumers and producers in competitive markets, how markets determine the allocation of resources in the economy, and how government policy affects the performance of markets. In addition, the material to be covered includes an introduction to decision making in the presence of uncertainty and an introduction to game theory, the study of strategic situations. Finally, we will cover a number of extensions to the model of perfect competition, including market power, externalities, and asymmetric information.

**Program Outcomes:** The material in this course contributes to the following program outcomes:

- i. The students will be able to demonstrate a working knowledge of the basic principles and analytical techniques used in microeconomic analysis.

**Learning Outcomes:** At the completion of this course,

- i. The students will be familiar with the basic formal analytical techniques used in microeconomic analysis.
- ii. The students will have a better understanding of the behavior of consumers and producers in competitive markets, how markets determine the allocation of resources, and how government policy affects the structure and performance of the economy.

The students will learn the material by attending lectures, reading the textbook, and completing a number of homework assignments. The comprehension of the material will be measured by the performance of the students on the homework, quizzes, and examinations.

## 2 Prerequisites

The only formal academic prerequisite for this course is a course in introductory microeconomics.

### a. Textbook

The required textbook for the course is *Intermediate Microeconomics*, 12th edition, by Nicholson and Snyder (Cengage Learning). This book will be the main source for the material in this course. This is a relatively non-technical book and contains good introductions and intuitive explanations for most of the material we will cover in the course.

### b. Mathematics

I will present the material in a student-friendly form, which means simple models with simple functional forms. I think you can get the intuition from a simple model and understand that the results can be extended to more general formulations. Therefore, only basic algebra and elementary calculus will be used in this course, which I will review in class as necessary.

## 3 Structure of the course

I will dedicate as much time to the course as necessary. The material in the course is closely related to my research interests and I intend to make this course a fun and productive experience for you.

### a. Lectures

Research in Psychology has demonstrated that a central element in the learning process is active participation by the learner. I understand lectures can promote passive observation rather than active participation. Therefore, to promote active participation, my lectures will generally include:

- i. Presentation of technical material in which students participate in the derivation of the results,
- ii. Discussion of the results and implications for the real world, and
- iii. The opportunity for students to work in teams and do practice problems related to the material covered in the lecture.

The lectures will be more fun and productive if you have read the material ahead of time and come to class prepared to contribute to the discussion.

### b. Grades

Your grade for the course will be determined by your performance in the homework, quizzes, and examinations, as follows:

#### i. Examinations

There will be THREE examinations. Your performance on each examination will determine 20% of your grade. The exams will be in class and *closed book*, meaning that you may not consult the textbook or any other material and you may not communicate with other students while taking the exam. The exams will generally consist of problems similar to the ones presented in class or in the homework. There will be no make-up examinations. Therefore, if you cannot take one of the examinations, contact me as soon as possible. You must take the FINAL examination on the date scheduled by the university. Therefore, look up the date and mark your calendars.

#### ii. Quizzes

There will be a number of quizzes during the semester and your performance on the quizzes will determine 20% of your grade. The quizzes will not be timed and you will have access to your textbook and lecture notes. The quizzes are intended to make sure that you are reading the required material in your textbook.

#### iii. Homework

A number of homework assignments will be distributed during the semester. Performance on the homework will determine 20% of your grade. To obtain full credit for the homework, your work must be correct and must be turned in on time. You are encouraged to work with other students, but you should write and turn in your own work.

#### iv. Attendance

You are required to attend and participate in class. Attendance and participation are essential if you want to do well in this class. For instance, I may cover material not contained in the textbook. If you have to miss class, talk to me or your classmates about the material you missed.

Table with Grade Policy

|              |     |
|--------------|-----|
| Examinations |     |
| Exam I       | 20% |
| Exam II      | 20% |
| Exam III     | 20% |
| Quizzes      | 20% |
| Homework     | 20% |

Your grade for the class will be computed based on your overall performance using the standard scale:

|          |            |            |            |          |
|----------|------------|------------|------------|----------|
| A = 90%+ | B = 80-89% | C = 70-79% | D = 60-69% | F = 59%- |
|----------|------------|------------|------------|----------|

## 4 Outline

This section describes the material we will cover in the course and the approximate dates. I expect you to read the material ahead of time and to come to class prepared to contribute to the discussion.

Table with Course Outline

| WEEK | DATE         | TEXTBOOK                   | TOPIC                              | ASSIGNMENTS          |
|------|--------------|----------------------------|------------------------------------|----------------------|
| 1    | AUG 27, 29   | Chapter 1                  | Introduction                       |                      |
| 2    | SEP 3, 5     | Chapter 2                  | Utility Maximization               | Quiz 1<br>Homework 1 |
| 3    | SEP 10, 12 * | Chapter 3                  | Demand                             |                      |
| 4    | SEP 17, 19   | Chapter 6<br>Chapter 7     | Production and Costs               | Quiz 2<br>Homework 2 |
| 5    | SEP 24, 26   | Chapter 8                  | Profit Maximization<br>and Supply  |                      |
| 6    | OCT 1, 3     | <b>Exam I</b>              |                                    |                      |
| 7    | OCT 8, 10    | Chapter 9                  | Perfect Competition                |                      |
| 8    | OCT 15, 17   |                            | Perfect Competition:<br>Extensions | Quiz 3<br>Homework 3 |
| 9    | OCT 22, 24   | Chapter 4                  | Uncertainty                        |                      |
| 10   | OCT 29, 31   |                            | Uncertainty:<br>Extensions         | Quiz 4<br>Homework 4 |
| 11   | NOV 5, 7 *   | <b>Exam II</b>             |                                    |                      |
| 12   | NOV 12, 14   | Chapter 11                 | Monopoly                           | Quiz 5<br>Homework 5 |
| 13   | NOV 19, 21   | Chapter 5                  | Game Theory                        |                      |
| 14   | NOV 26, 28   | Thanksgiving<br>Break      |                                    |                      |
| 15   | DEC 3, 5     |                            | Game Theory:<br>Extensions         | Quiz 6<br>Homework 6 |
| 16   | DEC 10       | <b>Exam III</b><br>[Final] |                                    |                      |

\* **SEP 9: Census Date:** Deadline for all registration and schedule changes.

\* **NOV 4: Withdraw Date:** Last day to withdraw from the course.

## UNIVERSITY POLICIES

This section contains a number of university policies which you should be familiar with. Follow the links for additional information.

### Withdrawing from Class

Students may [withdraw](#) (drop) from this course using the [Withdrawal Portal](#). Withdrawing (dropping) this course can impact your Financial Aid, Scholarships, Veteran Benefits, Exemptions, Waivers, International Student Status, housing, and degree progress. Please speak with your instructors, consider your options, speak with your advisor, and visit the One-Stop Service Center (STE 230) or email [enroll@uttyler.edu](mailto:enroll@uttyler.edu) to get a complete review of your student account and the possible impacts to withdrawing. We want you to make an informed decision. UT Tyler faculty and staff are here for you and often can provide additional support options or assistance. Make sure to carefully [read the implications for withdrawing from a course and the instructions](#) on using the [Withdrawal portal](#).

Texas law prohibits students from dropping more than six courses during their entire undergraduate career\*. The six courses dropped includes those from other 2-year or 4-year Texas public colleges and universities. Consider the impact withdrawing from this class has on your academic progress and other areas, such as financial implications. We encourage you to consult your advisor(s) and Enrollment Services for additional guidance. **CAUTION #1:** Withdrawing before census day does not mean you get a full refund. Please see the [Tuition and Fee Refund Schedule](#). **CAUTION #2:** All international students must check with the [Office of International Programs](#) before withdrawing. All international students are required to enroll full-time for fall and spring terms. **CAUTION #3:** All UT Tyler Athletes must check with the Athletic Academic Coordinator before withdrawing from a course. **CAUTION #4:** All veterans or military-affiliated students should consult with the [Military and Veterans Success Center](#).

\* Students who began college for the first time before 2007 are exempt from this law.

### Artificial Intelligence Statement

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

In this course, you can use AI programs (such as ChatGPT or Copilot). These programs can be powerful tools for learning and other productive pursuits, including completing assignments in less time, helping you generate new ideas, or serving as a personalized learning tool. However, your ethical responsibilities as a student remain the same. You must follow UT Tyler's Honor Code and uphold the highest standards of academic honesty. This applies to all uncited or improperly cited content, whether created by a human or in collaboration with an AI tool. If you use an AI tool to develop content for an assignment, you must cite the tool's contribution to your work.

### **Final Exam Policy**

Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the Dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members must maintain student final examination papers for a minimum of three months following the examination date.

### **Incomplete Grade Policy**

If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in place of a grade *only when **all** of the following conditions are met:* (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all coursework or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons before the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average.

The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or college dean for approval. The time limit established must not exceed one year. Should the student fail to meet all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has yet to be assigned within one year, then the Incomplete will be changed to an F, or NC. If the course was initially taken under the CR/NC grading basis, this may adversely affect the student's academic standing.

### **Grade Appeal Policy**

Disputes regarding grades must be initiated within sixty (60) days from the date of receiving the final course grade by filing a Grade Appeal Form with the instructor who assigned the grade. A grade appeal should be used when the student thinks the final course grade awarded does not reflect the grades earned on assessments or follow the grading scale as documented in the syllabus. The student should provide the rationale for the grade appeal and attach supporting document about the grades earned. The form should be sent via email to the faculty member who assigned the grade. The faculty member reviews the rationale and supporting documentation and completes the instruction section of the form. The instructor should return the form to the student, even if a grade change is made at this level. If the student is not

satisfied with the decision, the student may appeal in writing to the Chairperson of the department from which the grade was issued. In situations where there is an allegation of capricious grading, discrimination, or unlawful actions, appeals may go beyond the Chairperson to the Dean or the Dean's designee of the college from which the grade was issued, with that decision being final. The Grade Appeal form is found in the [Registrar's Form Library](#).

NOTE: The Grade Appeal Form is different from the Application for Appeal form submitted to the Student Appeals Committee, which does not rule on grade disputes as described in this policy.

### **Disability/Accessibility Services**

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA), the University of Texas at Tyler offers accommodations to students with learning, physical, and/or psychological disabilities. If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or a history of modifications or accommodations in a previous educational environment, you are encouraged to visit <https://hood.accessiblelearning.com/UTTyler/> and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with the Assistant Director Student Accessibility and Resources/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <https://www.uttyler.edu/disability-services>, the SAR office located in the Robert Muntz Library, LIB 460, email [saroffice@uttyler.edu](mailto:saroffice@uttyler.edu), or call 903.566.7079.

### **Military Affiliated Students**

UT Tyler honors the service and sacrifices of our military-affiliated students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with your faculty member if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make your faculty member aware of any complications as far in advance as possible. Your faculty member is willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. The [Military and Veterans Success Center \(MVSC\)](#) has campus resources for military-affiliated students. The MVSC can be reached at [MVSC@uttyler.edu](mailto:MVSC@uttyler.edu) or via phone at 903.565.5972.

### **Students on an F-1 Visa**

To remain in compliance with Federal Regulations requirements you must do the following:

- Traditional face-to-face classes: Attend classes on the regular meeting days/times.
- Hybrid Classes: Attend all face-to-face classes convened by the instructor according to the schedule set for your specific course.
- Online course: Only one online course can count toward your full-time enrollment. Students are expected to be fully engaged and meet all requirements for the online course.

## **Academic Honesty and Academic Misconduct**

The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do."

Therefore, we enforce the [Student Conduct and Discipline policy](#) in the Student Manual Of Operating Procedures (Section 8).

### **FERPA**

UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in [University Policy 5.2.3](#). The course instructor will follow all requirements to protect your confidential information.

## **Absence for Official University Events or Activities**

This course follows the practices related to [Excused Absences for University Events or Activities](#) as noted in the Catalog.

## **Absence for Religious Holidays**

This course follows the practices related to [Excused Absences for Religious Holy Days as noted in the Catalog](#).

## **Absence for Pregnant Students**

This course follows the requirements of Texas Laws SB 412, SB 459, SB 597/HB 1361 to meet the needs of pregnant and parenting students. Part of the supports afforded pregnant students includes excused absences. Faculty who are informed by a student of needing this support should make a referral to the Parenting Student Liaison. NOTE: Students must work with the Parenting Student Liaison in order to receive these supports. Students should reach out to the Parenting Student Liaison at [parents@uttyler.edu](mailto:parents@uttyler.edu) and also complete the [Pregnant and Parenting Self-Reporting Form](#).

## **Campus Carry**

We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>.