



University of Colorado Boulder
INTERMEDIATE MICROECONOMIC THEORY
ECON 3070 SYLLABUS, FALL 2022

INSTRUCTOR: DR. KAREN GEBHARDT

Email karen.gebhardt@colorado.edu

Mobile

- This is my cell phone number. Call or text anytime between 8am – 8pm MTN. I sometimes have my phone turned off during the middle of the day, but leave a message when it is a good time to get a hold of you and I will call you back.

Office/Tutoring Hours

- Tutoring Hours: Mondays 4-5 pm using Zoom
- Office/Tutoring Hours: Tuesdays 3-4pm (On campus in 203 Economics and on Zoom)

INSTRUCTOR BIO

Dr. Karen Gebhardt is the Director of the Online Economics Program at CU Boulder. Her research focuses on using learning analytics to improve student learning outcomes in economics education with an emphasis on improving grades and completion rates in online courses. She is an early adopter of technology in the classroom and advocates strongly for it because she sees the difference it makes in student engagement and learning. In her free time, Dr. Gebhardt enjoys rock climbing and she used to enjoy (pre-COVID) traveling in the Colorado Rockies and beyond. She now just likes to drink coffee at home.

TERM START: August 29, 2020

TERM END: December 11, 2020

COURSE WEBSITE

Canvas is our class website:

- Login using your University of Colorado Boulder identikey and password <https://canvas.colorado.edu/>
- Under Course List, click “ECON 3070-581: Intermediate Microeconomic Theory Online”
- Note: all email correspondence will be through your CU Boulder email address.
 - Do not use the Canvas email or messages, it is not checked.

COURSE DESCRIPTION

From General Catalog: Explores theory and application of models of consumer choice, firm and market organization, and general equilibrium. Extensions include intertemporal decisions, decisions under uncertainty, externalities, and strategic interaction.

This course provides a comprehensive introduction to microeconomic theory, focusing on the behavior of households, firms, and the interaction of these agents in the marketplace. Microeconomic theory is used to explain how individuals decide what and how much to buy and how firms decide what and how much to sell under various economic environments (e.g., market structures, taxation, regulation). Extensions and applications will include market failures (such as externalities and public goods), international trade, taxes, and decision-making under uncertainty.

COURSE PREREQUISITES

Requires prerequisite courses of ECON 2010 (Principles of Microeconomics)

AND

ECON 1088 or MATH 1081 or MATH 1300 or MATH 1310 or APPM 1350 (all min grade C-) (Math/Calculus courses)

AND

Restricted to students with 22-180 units completed.

COURSE OBJECTIVES

By the end of the course you should be able to:

- Identify the fundamentals of microeconomic theory
- Explain how consumers make decisions in the face of scarcity and how these decisions vary in response to changes in the economic environment.
- Explain how firms make decisions in the face of scarcity and how these decisions vary in response to changes in the economic environment.
- Compare consumer and producer behavior resulting from the different types of market structure.
- Apply algebraic, graphical and calculus tools to microeconomic theory
- Apply microeconomic principles, theories and models to critically analyze and explain economic situations encountered in the real world that involve microeconomics
- Communicate the results of economic analysis in a clear and professional way

REQUIRED COURSE MATERIALS

Course Website: <https://canvas.colorado.edu/> (Canvas) Grades and any further additional readings will be posted on Canvas. Please check Canvas frequently for any relevant notifications/changes that may occur throughout the course.

Textbook (required): Microeconomics with MyLab, 9th Edition, by Pindyck and Rubinfeld, Pearson Publishing, ISBN 9780134153988.

Day 1 Digital Access: *To keep the cost of your course materials as low as possible and access to those materials as convenient as possible, we have collaborated with the CU Book Store and the publisher to deliver those materials through a program called “Day 1 Digital Access”, which will appear on your tuition and fee bill as “Day 1 Digital Access”.*

What does this mean for you?

1. *You will receive access to all your course materials, digitally, on the first day of classes, through the course Canvas page.*
2. *You will see a “Day 1 Digital Access” charge on your tuition and fee bill for: **\$94.11***
 - *This is a guaranteed lowest price, discounted by the publisher, and not available outside this course*
3. *You have the option to opt out. This means: you won’t pay for anything, but you lose all access to the course materials.*
 - *You can opt out by: using a link in a reminder email you will receive with the subject heading “Day 1 Digital Access”.*
 - *You must opt out no later than September 14th, otherwise you will be charged for the materials.*

4. *Please keep in mind that “opting out” means that your access to these materials will be turned **OFF**, and you will have no way to complete assignments.*

SUPPLEMENTAL READINGS

Supplemental readings and other materials will be provided in Canvas system, via the CU Library electronic reserve, or by links to websites.

ONLINE COURSE STRUCTURE

This course is delivered via distance education format using the CU Canvas system. The asynchronous format will use a combination of readings, online discussion, and other web-based resources. Asynchronous learning does not require real-time (or synchronous) interaction; instead, content is available online for you to access when it best suits your schedule, and assignments are completed prior to the deadlines listed in the schedule. You will interact with the instructor and other students using the communication functions provided by Canvas. You will submit assignments using Canvas, email, or through another online system.

There will be 14 modules corresponding to the 14 weeks of the course (1 module per week). You should proceed through one module per week, which will be comprised of readings from the course texts, supplemental class notes, graded discussion questions, homeworks and quizzes, exams, and various outside sources of information such as additional readings and video content, among other content.

COURSE OUTLINE

Review the separate weekly class schedule found on Canvas under “Syllabus” link.

CLASS PARTICIPATION

This course is designed to engage you mostly through exercises, however, there will also be class discussions on the topics covered in the course materials. It is important that you participate in class discussions to facilitate learning by other students and gain exposure to different viewpoints of other students in the class.

EVALUATION AND GRADING

Course grades will be determined by the completion of assignments, exams, and discussions, as shown below:

Assignment*	Points per Assignment	Frequency	Number of assignments dropped	GRADE POINTS	GRADE PERCENTAGE
Early-Module Assignment	5	12	2	50	5.0%
In-Video Quizzes	2	At least 50	Any > 50	100	10.0%
Discussion or Writing Assignment	20	3	0	60	6.0%
Exercises	15	12	1	165	16.5%
Problem Sets	25	12	1	275	27.5%
Proctored Midterm Exam	125	1	0	125	12.5%
Proctored Cumulative Final Exam	225	1	0	225	22.5%
Total				1000	100%

*Keep a copy of all work created for the course, including work submitted through Canvas.

COURSE GRADING CRITERIA

<i>Grade</i>	<i>Percentage Grade</i>	<i>Equivalent Points</i>	<i>Indicates</i>
A	93-100	930 – 1000	Excellent
A-	90-92.99	900 – 929	
B+	87-89.99	870 – 899	
B	83-86.99	830 – 869	Above Average
B-	80-82.99	800 – 829	
C+	77-79.99	770 – 799	
C	73-77.99	730 – 769	Average
C-	70-72.99	700 – 729	
D+	67-69.99	670 – 699	
D	63-67.99	630 – 669	Below Average
D-	60-62.99	600 – 629	
F	0-59	600 or lower	Failure

There is +/- grading in this class.

ASSIGNMENTS

Early module assignments (50 POINTS) – There will be twelve (12) 5-point early-module assignments. This early-module work is designed to remind you of math and Principles of Microeconomic concepts necessary to be successful in that module. Early module assignments are open book and open note. You have two attempts at each early-module assignment, the highest grade counts, and the lowest two (2) are dropped from your final grade calculation. Early-module work will be submitted through Canvas or MyLab and are due on Tuesdays.

In-Video Quizzes (60 POINTS) – There will be at least 50 2-point in-video quizzes. You will watch lecture videos and answer questions during that video. Not all videos have in-video quizzes. The total possible points for each in-video quiz is 2, regardless of the number of quiz questions in the video. These quizzes are open book and open note. You have two attempts at each in-video quiz, the highest grade counts, and only the highest 50 count towards your final grade calculation. In-video quizzes will be submitted through Canvas using the tool “PlayPosit” and are due on Fridays.

Discussion posting or writing assignment (60 POINTS) – There will be three (3) 20-point discussion postings or writing assignments.

- The discussion will occur asynchronously; I will post a discussion question and you will respond to the questions at your convenience prior to the due date. Discussions are open book and open note and will be submitted through Canvas. The initial discussion post is due on Thursday and the discussion response is due on Sunday.
- Writing assignments are open book and open note and will be submitted through Canvas.
- These assignments also allow you to interact with classmates and build community.

Exercises (165 POINTS) – There will be twelve (12) 15-point exercises. The format of exercises will be multiple choice, calculations, and short answers and will be open book and open notes. Your lowest one (1) exercise is dropped from your final grade calculation. These exercises are very similar to the problem sets. You have two attempts at each question on the exercise. Exercises will be submitted through Canvas or MyLab and are due on Sundays.

Problem Sets (275 POINTS) – There will be twelve (12) 25-point problem sets. The format of the problem sets will be multiple choice, calculations, and short answers and will be open book and open notes, but you only have one try per question. Your lowest one (1) problem set is dropped from your final grade calculation. Problem sets will be submitted through Canvas or MyLab and are due on Mondays.

Proctored Exams (350 POINTS) – There will be two (2) exams. The proctored midterm exam is worth 125 points and the proctored cumulative final exam is worth 225 points. The format of the exam will be multiple choice and calculations and will be closed book. The exams are completed on Canvas or MyLab in a proctored setting.

This course requires proctored examinations. Exams are proctored which will require planning on your part. Proctors are individuals who administer the exam process following the guidelines provided by University of Colorado Boulder to ensure academic integrity.

Who can be my proctor?

If you are in Boulder or nearby, you can take your exam:

1. **With me** at the Department of Economics. There is no cost for using this proctor. This option is only on selected days during the exam period.
2. **With Proctorio or a comparable online proctoring service as determined by your instructor.** Online proctoring is a service that uses a webcam and microphone to ensure academic integrity. To use this service, you must have access to a computer with a webcam and a microphone. There is no cost for using this proctor.

If you outside of Boulder, you can take your exam:

1. **At an accredited college or university testing center** in your town or nearby. There may be a cost for using this testing center.
2. **With Proctorio or a comparable online proctoring service as determined by your instructor.** Online proctoring is a service that uses a webcam and microphone to ensure academic integrity. To use this service, you must have access to a computer with a webcam and a microphone. There is no cost for using this proctor.

Please see Canvas for detailed information about proctoring, Proctorio, and a nationwide list of accredited college or university testing centers. If you are in a rural area or on a military base, you may need to be approved to use a person as a proctor and information is provided on Canvas for this approval process.

EXTRA CREDIT

Up to 30 points of extra may be available (= maximum 3% of the course grade).

- Up to 30 points extra may be available during the semester for completing certain activities, such as listening and commenting on a podcast, completing special activities, etc. These extra credit opportunities will be determined by the instructor and announced in on Canvas.

POLICY ON DUE DATES

Each module you will complete a series of critical thinking questions that reflect material from the various delivery formats and required readings. It is your responsibility to turn in each assignment on the required date. **Late assignments are not accepted for exams or discussions. Early Module Assignments, In-Video Quizzes, Exercises, and Problem Sets can be turned in up to three days late. The grade penalty is 10%.** The exceptions that may be considered

is due to sickness, university excused function, or circumstances beyond the students' control. The instructor reserves the sole right to determine what grounds constitutes a reasonable excuse for missing or submitting a late work assignment and the right to require the student to submit proper verification of such excuse.

EXPECTATIONS OF INSTRUCTOR

I take my role as your instructors very seriously, and, in fact, I care about how well you do in this course and that you have a satisfying, rewarding experience. To that end, it is our commitment to you to respond individually to the work you submit in this class and to return your work in a timely manner. If, however, due to unforeseeable circumstances, the grading of your work takes longer than the times I have listed here, I will keep you informed of my progress and make every effort to return your work with feedback as soon as I can.

Communication – I am nice and I want you to succeed. Do not hesitate to contact me about anything. Yes, anything.

E-mail

Instructor Karen Gebhardt karen.gebhardt@colorado.edu

- All e-mail sent to me should contain the following: Course Name and Number (i.e., ECON 3070), Your Name, Short Description of your question. I will respond to email within 12-24 hours, but usually within 4-6 hours. I always respond to email. If you have not had a response within 24 hours I did not receive the email. Be sure to use your CU email address because sometimes gmail and yahoo email accounts are filtered into my spam folder.

Mobile

This is my cell phone number. Call or text anytime between 8am – 8pm MTN. I sometimes have my phone turned off during the middle of the day, but leave a message when it is a good time to get a hold of you and I will call you back.

Office/Tutoring Hours

- Tutoring Hours: Mondays 4-5 pm using Zoom
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General Course Announcements

- Announcements: Please check the “announcements” section on Canvas often.

COURSE POLICIES

NETIQUETTE

All students should be aware that their behavior impacts other people, even online. I hope that we will all strive to develop a positive and supportive environment and will be courteous to fellow students and your instructor. Due to the nature of the online environment, there are some things to remember.

1. Always think before you write. In other words, without the use of nonverbals with your message, your message can be misinterpreted. So please think twice before you hit submit.
2. Keep it relevant. There are places to chat and post for fun everyday stuff. Do not stray from the discussion in the assigned questions.
3. Never use all caps. This is the equivalent of yelling in the online world. It is not fun to read. Only use capital letters when appropriate.
4. Make sure that you are using appropriate grammar and structure. In other words, I don't want to see anyone writing “R U” instead of “are you”. There are people in the class that may not understand this type of abbreviation, not to mention it does nothing to help expand your writing and vocabulary skills. Emoticons are fine as long as they are appropriate. A smile 😊 is welcome, anything offensive is not.

5. Treat people the same as you would face-to-face. In other words, it is easy to hide behind the computer. In some cases, it empowers people to treat others in ways they would not in person. Remember there is a person behind the name on your screen. Treat all with dignity and respect and you can expect that in return.
6. Respect the time of others. This class is going to require you to work in groups. Learn to respect the time of others in your group and your experience will be much better. Always remember that you are not the only person with a busy schedule, be flexible. Do not procrastinate! You may be one that works best with the pressures of the deadline looming on you, but others may not be that way. The same is true for the reverse. The key to a successful group is organization, communication and a willingness to do what it takes to get it done.

Website: <http://www.albion.com/netiquette/corerules.html>

Compiled by Melissa Landin, Instructor, Dept. of Communication, Inver Hills Community College, mlandin@inverhills.edu

TECHNOLOGY REQUIREMENTS AND SUPPORT

What are the basic computer specifications for Canvas?

- Visit the official [Canvas Computer Specifications Page](#) for the latest list of recommended system requirements.

Which browsers does Canvas support?

- Visit the [Supported Browsers Page](#) for the detailed list of internet browsers in Windows, MacOS, iOS and Android.

Skill Requirements

- Students also need to possess basic computer skills, such as:
 - How to use a web browser and word processor
 - How to send and receive email
 - How to locate a file and attach it to an email or upload a file into a course
 - How to copy and paste
 - Must know basic typing skills and keyboard commands
 - Must know basic computer terminology

TECHNICAL SUPPORT

- Canvas technical support. If you are experiencing issues with Canvas please contact:
 - CU Boulder's Help desk at 303-735-4357 (5-HELP) or help@colorado.edu. 5-Help will answer your call: Monday through Friday from 7:30 a.m. to 7:00 p.m., Saturday and Sunday from noon to 6:00 p.m., Closed during [University Holidays](#)
 - On your computer, click the "help" (?) icon on the left side of Canvas, once logged in
 - Within the Canvas App, you can search the Canvas support guides, Report a Problem or chat with Canvas Support 24 hours a day, 7 days a week.
- MyLab tech support:
 - https://help.pearsoncmg.com/ccng/ccng_instr/ccng_xmel_instr_help_support_bridge.html or <https://support.pearson.com/getsupport/s/>

ACCOMMODATION FOR DISABILITIES

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or dsinfo@colorado.edu for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

CLASSROOM BEHAVIOR

Both students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote or online. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. For more information, see the policies on [classroom behavior](#) and the [Student Conduct & Conflict Resolution policies](#).

HONOR CODE

"ON MY HONOR, AS A UNIVERSITY OF COLORADO BOULDER STUDENT
I HAVE NEITHER GIVEN NOR RECEIVED UNAUTHORIZED ASSISTANCE."

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the Honor Code academic integrity policy. Violations of the Honor Code may include, but are not limited to: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code (honor@colorado.edu); 303-492-5550). Students found responsible for violating the academic integrity policy will be subject to nonacademic sanctions from the Honor Code as well as academic sanctions from the faculty member. Additional information regarding the Honor Code academic integrity policy can be found on the [Honor Code website](#).

SEXUAL MISCONDUCT, DISCRIMINATION, HARASSMENT AND/OR RELATED RETALIATION

The University of Colorado Boulder (CU Boulder) is committed to fostering a positive and welcoming learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct intimate partner abuse (including dating or domestic violence), stalking, protected-class discrimination or harassment by members of our community. Individuals who believe they have been subject to misconduct or retaliatory actions for reporting a concern should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127 or cureport@colorado.edu. Information about the OIEC, university policies, [anonymous reporting](#), and the campus resources can be found on the [OIEC website](#).

Please know that faculty and instructors have a responsibility to inform OIEC when made aware of incidents of sexual misconduct, discrimination, harassment and/or related retaliation, to ensure that individuals impacted receive information about options for reporting and support resources.

RELIGIOUS HOLIDAYS

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Because of the flexibility of timing of completion of assignments in this class, you must contact the instructor in at least two weeks in advance if you anticipate a religious holiday may impact your completion of coursework.

For more information on the religious holidays most commonly observed by CU Boulder students consult the [online interfaith calendar](#).

PREFERRED STUDENT NAMES AND PRONOUNS

CU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred names and pronouns via the student portal; those preferred names and pronouns are listed on instructors' class rosters. In the absence of such updates, the name that appears on the class roster is the student's legal name.

REQUIREMENTS FOR COVID-19

As a matter of public health and safety, all members of the CU Boulder community and all visitors to campus must follow university, department and building requirements and all public health orders in place to reduce the risk of spreading infectious disease. CU Boulder currently requires COVID-19 vaccination and boosters for all faculty, staff and students. Students, faculty and staff must upload proof of vaccination and boosters or file for an exemption based on medical, ethical or moral grounds through the [MyCUHealth portal](#).

The CU Boulder campus is currently mask-optional. However, if public health conditions change and masks are again required in classrooms, students who fail to adhere to masking requirements will be asked to leave class, and students who do not leave class when asked or who refuse to comply with these requirements will be referred to [Student Conduct and Conflict Resolution](#). For more information, see the policy on [classroom behavior](#) and the [Student Code of Conduct](#). If you require accommodation because a disability prevents you from fulfilling these safety measures, please follow the steps in the "Accommodation for Disabilities" statement on this syllabus.

If you feel ill and think you might have COVID-19, if you have tested positive for COVID-19, or if you are unvaccinated or partially vaccinated and have been in close contact with someone who has COVID-19, you should stay home and follow the further guidance of the [Public Health Office](#) (contacttracing@colorado.edu). If you are fully vaccinated and have been in close contact with someone who has COVID-19, you do not need to stay home; rather, you should self-monitor for symptoms and follow the further guidance of the [Public Health Office](#) (contacttracing@colorado.edu).

COURSE WITHDRAWAL POLICY

Any student who wishes to withdraw from the course must do so by November 1. For complete information, please visit <https://ce.colorado.edu/resources/topics/dates-and-deadlines-general-info/>

ADDITIONAL SUPPORT SERVICES

A variety of instructional support services, such as writing center, guidance on personal or educational issues, tutoring questions and library resources are available to the students. For more information about their services, visit their websites linked under modules on Canvas.

Intermediate Microeconomic Theory, ECON 3070, Fall 2022, Gebhardt, University of Colorado Boulder				
Module (start date)	Chapter Number and Sections	Topic	Graded Assignments	Due Date by 11:59pm MST/MDT
1 (8/29)	1 Sections 1.1-1.2, 1.4 2 Sections 2.1-2.3 Math Review Materials	Preliminaries The basics of S and D Math Review	Early-module assignment mod 1 In-video quizzes Exercise mod 1 Problem Set mod 1	Tuesday 8/30 Friday 9/2 Sunday 9/4 Monday 9/5
2 (9/6)	3 Sections 3.1-3.5, 3.5 Appendix	Consumer behavior	Early-module assignment mod 2 In-video quizzes Exercise mod 2 Problem Set mod 2	Tuesday 9/6 Friday 9/9 Sunday 9/11 Monday 9/12
3 (9/13)	2 Section 2.4-2.5 4 Sections 4.1-4.4	Elasticities Individual and Market Demand	Early-module assignment mod 3 In-video quizzes Exercise mod 3 Problem Set mod 3	Tuesday 9/13 Friday 9/16 Sunday 9/18 Monday 9/19
4 (9/20)	6 Sections 6.1-6.4	Production	Early-module assignment mod 4 In-video quizzes Exercise mod 4 Problem Set mod 4	Tuesday 9/20 Friday 9/23 Sunday 9/25 Monday 9/26
5 (9/27)	7 Sections 7.1-7.5 Appendix	The Cost of Production	Early-module assignment mod 5 In-video quizzes Exercise mod 5 Problem Set mod 5	Tuesday 9/27 Friday 9/30 Sunday 10/2 Monday 10/3
6 (10/4)	8 Sections 8.1-8.8	Profit Max and Competitive Supply	Early-module assignment mod 6 In-video quizzes Exercise mod 6 Problem Set mod 6	Tuesday 10/4 Friday 10/7 Sunday 10/9 Monday 10/10
7 (10/11)	You may take the PROCTORED midterm exam the day of your choosing Thursday through Sunday.		Discussion part 1 mod 7 Discussion part 2 mod 7 Proctored Midterm Exam	Tuesday 10/11 Thursday 10/13 Thursday 10/13 - Sunday 10/16