



Course Information

- **ECON 210: Principles of Economics**
 - CRN 19205
 - Section 007
- **Meeting days and time:**
 - MWF 7:30-8:20 a.m. Rawls Hall Room 1011
- **Instructional Modality:** Face-to-Face
- **Course credit hours:** 3 credits

Instructor & Contact Information

- **Instructor:** Zhongheng Qiao
- **Office:** KRAN 727D
- **Purdue Email Address:** giao50@purdue.edu
- **Office hours, times, and location**
 - Every **Monday** and **Tuesday 3:30 – 4:30 p.m.** at Krannert Building **Room 729**.
 - The instructor will hold virtual “office hours” using the Brightspace discussion forum, from which other students would benefit from a response will be answered in this forum.
 - Friday classes are also an excellent opportunity to ask questions synchronously. Friday meetings usually have time built in for review rather than introducing new content, and students should use them as an assurance that they have adequately prepared for the Quizzes that usually open on Fridays.
 - Questions that are individual in nature should be posed to the instructor in person, e.g., after class, or via email. To ensure a timely response, please start the subject line with '**ECON 210**'. Emails with this subject line will typically receive a response within 24 hours, except on weekends or holidays. As a courtesy to your teachers, please attempt to find the answer to any procedural questions in the syllabus prior to posing them in an email or meeting. I reserve the right **not** to respond to questions adequately answered in this syllabus.
- **Teaching Assistant(s), contact information, and office hours:** see Syllabus page in Brightspace.

Course Description

Catalog Description: This course presents the principles upon which the social science of economics is based. Specifically, it examines how individuals, firms, and the government interact through markets. It also examines several important macroeconomic issues including unemployment, inflation, international trade, and economic growth. Students are expected to be able to apply these economic principles to analyze current events, work decisions, and personal choices.

A *principle* is an important underlying law or assumption required in a system of thought. This class presents the principles upon which the social science of Economics is based. Specifically, it examines the ways that economic agents, e.g., individuals, firms, and government, determine and respond to prices of goods. It also examines the aggregate value of goods traded and its growth.

Learning Resources, Technology & Texts

- **Brightspace learning management system.** Submission of assessments, reviewing lecture notes and videos, and the majority of communication, including grades, will be conducted virtually through Purdue’s Learning Management System, Brightspace (<https://purdue.brightspace.com/>). Students require a reliable high speed

internet connection that enables them to view media on and transfer files to the Brightspace and textbook publisher's sites, which they will do regularly.

- Students are strongly urged to become familiar, not only with the site navigation but, with content and resources available for this course. See the Student Services widget on the campus homepage for resources such as Technology Help, Academic Help, Campus Resources, and Protect Purdue.
- **Required textbook: Modern Principles of Economics, 6th Ed. with Achieve, by Cowen and Tabarrok.**
Publisher: Macmillan.
 - An e-book of the text (6-month access, **\$88.99**) can be bundled with Achieve, the online homework program, as a convenient way of reading and doing homework. ISBN (for ebook): 978-1-319-48152-2.
 - Click [this link for instructions for getting started](#). Don't worry, this won't initiate doing homework. It's just the easiest way to get to the publisher's virtual course and match your identity to your Brightspace identity. Enroll in this course using one of the following options:
 - If you have an access code, select "I have a student access code," enter the code exactly as it appears on the card, and click Submit.
 - If you don't have an access code, either purchase a text package that includes one OR click "I want to purchase access" and follow the instructions.
 - If you need to start working but can't purchase right away, select "I want temporary access" and follow the instructions. Your grades are linked to your Achieve account username (email address). If you use temporary access, make sure you purchase or register your code using the same email address for your paid access.
 - If you have problems registering, purchasing, or logging in, please contact [Customer Support](#). You can reach a representative 7 days a week: through the [online form](#), by [chat](#), and by phone at **(800) 936-6899**.
 - Hardcover or loose-leaf printed copies are optional.
- **iClicker (see below, "Class Participation").** [iClicker Cloud](#) is an interactive classroom response system that the instructor uses to track attendance, ask practice questions, and gauge student comprehension. Students participate using mobile devices, laptops, or iClicker remotes. A laptop or smartphone with the iClicker Cloud app and location sharing (see link to tips below) enabled, is required.
 - <https://mhe.my.site.com/iclicker/s/article/Attendance-Geolocation-Tips>.
- **Time input.** This is a 3-credit course that lasts 16 weeks. According to widely used [guidelines](#), this equates to roughly 7 to 9 hours of overall work per week. Students should expect this course to be one of their primary activities in order to be successful.

Learning Outcomes

In this course, students will learn to:

- Identify costs and benefits involved in economic decision making.
- Predict market equilibrium and changes in equilibrium.
- Evaluate the efficiency of market equilibrium.
- Express and interpret economic theory and data using various visual representations (graphs, tables, charts).
- Calculate basic measures of macroeconomic performance and the forces that influence those measures.

This course instructs students in the University Core Curriculum, Behavioral and Social Sciences Foundational Learning Outcome. In particular this course emphasizes the following skills (numbers 1, 3, 4, and 6 in the UCC BSS-FLO):

- Demonstrate knowledge of major concepts, theoretical perspectives, empirical patterns, and/or historical contexts within a given social or behavioral domain.
- Demonstrate literacy in social, behavioral, or historical research methods and analyses.
- Recognize relevant evidence supporting conclusions about the behavior of individuals, groups, institutions, or organizations.
- Identify examples of how social, behavioral, or historical knowledge informs and can shape personal, civic, ethical, or global decisions and responsibilities.

Assessments

- **Examinations (50% of grade).** There will be three exams during the course. Each exam covers a unique portion of the course; none is cumulative except in the sense that the material builds upon itself throughout the course. The midterm exam dates are **September 17 and October 23** with the final exam date to be announced later in the semester. **Students should plan to remain on campus for the duration of final exam week.** Scores on the three exams count for 15%, 15%, and 20%, respectively, of the course grade.
 - Exams consist of 40 (64 for Final exam) selected response questions and are timed (60 mins. for midterms, 96 mins. for Final).
 - The exams are synchronous and will be conducted on the dates and at the times shown on the last page of this Syllabus.
 - Students will take exams as scheduled unless authorized by the instructor ahead of time.
 - The following examples illustrate what would justify a make-up exam: a family/personal emergency that has been confirmed by the Dean of Students Office, illness corroborated by a note from a physician. Travel plans, e.g., are **not** an acceptable reason to request a make-up exam. To request a make-up exam, provide a written excuse and supporting documentation to the instructor as early as possible. Make-up exams are not offered without appropriate documentation. Also see below, Attendance Policy, Make-up exams.
 - Exams are closed notes and closed book. Each student's performance on examinations must reflect their individual knowledge exclusively, i.e., consulting notes, texts, internet sources, or other students is forbidden.
- **Homework (20% of grade).** Students will complete homework assignments pertaining to each topic the course covers using the [Achieve](#) system (see above, Required Materials). Assignments are due on the dates shown on the last page of the syllabus at midnight ET.
 - Homework is your first chance to see how well you understand the content. It is graded "pass/fail" but students can answer as many questions as they need to fill the progress bar and get 100%. It's a good sign, though, if you can do it quickly, i.e., by getting all the questions right the first time!
 - To that end, the best strategy is to prepare thoroughly by reading the textbook chapter and attending the lectures on which the assignment is based before starting.
 - Students will not receive points for late homework (see policy below, "Grading").
- **Quizzes (10% of grade).** Students will perform timed selected response 10-question quizzes related to the content of each week's lectures (see schedule on last page). Quizzes are open written notes and ebook. Other internet resources are not allowed. This is enforced by requiring that quizzes be taken in Respondus Lockdown browser (see instructions in Brightspace).
 - Quizzes are asynchronous and can be begun anytime between 9 a.m. ET two (2) days ahead of the due date until midnight on the due date.
- **Discussion and Participation (20% of grade).** Students will participate in formal discussion topics (10%) and be graded on their attendance and participation in the course, as measured by answering questions using iClicker during lectures (10%).
 - To earn credit for Discussions, students should post and reply to classmates' posts on the Brightspace Discussion board. The instructor will provide prompts to begin the discussions (see attached schedule). Students will be evaluated based on the quality and timing of their response posts.
 - Students will abide by the "Netiquette" guidelines posted on Brightspace when making and responding to posts in the discussion.
 - Students are required to use their iClicker-compatible devices to answer questions during lectures and be physically present in the room. This is enforced using the location sharing feature in iClicker Cloud.
- **Due Dates and Professionalism.** Deadlines are an unavoidable part of being a professional. Complete and submit assignments and quizzes on or before the deadlines in this Syllabus. Plan ahead to avoid conflicts and "smooth out" the work ahead of due dates, e.g., when you have work for other classes due the same day. Once the due dates elapse, the assignment or Quiz grade counts as a zero. Recognize that requesting special

exemptions from the rules governing assignments is not fair to other students and will not be granted except in circumstance outlined in this Syllabus.

Grading

- Letter grades are earned on the basis of the following weighted average of exam scores, homework scores, and class participation.

$$\text{Average} = 30 \left[\frac{\text{Sum midterm scores}}{2} \right] + 20[\text{Final score}] + 10 \left[\frac{10 \text{ best Quiz}}{10} \right] + 20 \left[\frac{12 \text{ best HW}}{12} \right] + 10[\text{Discussions}] + 10[\text{iClicker}].$$

- When computing Averages, students' lowest (1) homework, (1) quiz, and lowest eight (8) iClicker scores will be dropped. This provides a method for handling a missed assignment due to illness, a misunderstanding, an emergency, or other special circumstances.
- At the end of the class, the instructor will determine a distribution of letter grades on the basis of students' Averages.
 - Students may forecast their letter grades by performing the calculation above and comparing their score to the standard 90-80-70-60 scale.
 - The distribution of letter grades will be no less generous than the standard scale, e.g., students will not require more than 90 points to earn an "A minus."
 - The instructor may assign plus and minus grades.

Attendance Policy

The University resumed its pre-Covid [attendance policy](#) in Fall 2021. Students are expected to attend all classes in-person unless they are ill or otherwise unable.

Only the instructor can excuse a student from a course requirement or responsibility. When conflicts can be anticipated, such as for many University-sponsored activities and religious observations, the student should inform the instructor of the situation as far in advance as possible. For unanticipated or emergency conflicts, when advance notification to an instructor is not possible, the student should contact the instructor/instructional team as soon as possible by email. Regardless of the reason, students need to inform the instructor of any conflict that can be anticipated and will affect the timely submission of an assignment or the ability to take an exam.

Excused Absences. Bereavement, military service, jury duty, parenting leave, and medical absences, as described in the University's attendance [policy](#), are reasons for excusing a student from class. A student that is eligible to be excused from class attendance or have a due date extended under these policies should (have their representative) contact the Office of the Dean of Students via [email](#) or phone at 765-494-1747. Our course Brightspace includes a link to the Dean of Students under Campus Resources.

Boilercast. Class meetings will be recorded using Boilercast and shared via the Brightspace "Kaltura Media Gallery" (under Course Tools), **after the conclusion of class**. Students are responsible for gathering information exchanged in classes they do not attend by viewing these recordings or by consulting classmates or via the discussion board. The instructor reserves the right not to repeat announcements from class in substitute forms such as email. The Boilercast live streams are not interactive, so the only way to participate in iClicker exercises is to personally attend class. The Grading formula accommodates students who need to miss class for any reason by dropping their lowest iClicker scores.

Make-up exams. In the event a student needs to miss an exam for any of the reasons outlined above, and can provide documentation of the conflict, will be permitted to take a make-up exam. The instructor and student will arrange a mutually agreeable time and setting for the make-up exam.

Academic Integrity

[Cheating](#) on exams and plagiarism are violations of the academic [honor code](#) and carry severe sanctions, including failing a course or even suspension or dismissal from the University. Students' performance on examinations must reflect only their individual understanding, and copying from other students or internet sources is forbidden. In general students in this class are expected to exemplify the University's Honors Pledge: **"As a boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together—we are Purdue."**

Academic integrity is one of the highest values that Purdue University holds. Individuals are encouraged to alert university officials to potential breaches of this value by emailing integrity@purdue.edu or by calling (765) 494-8778. Information may be submitted anonymously, but more information increases the university's capacity to investigate concerns.

AI Policy

Permissible use of AI, especially Large Language Models (LLM) such as ChatGPT, BingAI and Claude, in this course is determined by whether it enhances learning or substitutes for learning. In particular,

- Copying output from LLM software is not allowed, as part of completing any graded assessment in the course (see above, Academic Integrity). The work I assign in this course is explicitly designed to teach students to meet the Learning Outcomes, if they perform the assessments earnestly. Using LLMs to answer quiz questions, for example, would diminish the value of the instruction.
- Using LLMs for non-graded work, e.g., it can be used to paraphrase one of the readings and improve your understanding of concepts, is allowed in this course.
- Sharing the copyrighted material (see below, Use of Copyrighted Materials) from this course with third-party AI tools is strictly prohibited.
- The instructor and teaching assistants will not share personally identifiable information about students with any third-party AI tool.

Use of Copyrighted Materials

Students are asked not to sell or barter their course notes via a commercial note taking service without advanced review and permission by the instructor. University Regulations state that:

Among the materials that may be protected by copyright law are the lectures, notes, and other material presented in class or as part of the course. Always assume the materials presented by an instructor are protected by copyright unless the instructor has stated otherwise. Students enrolled in, and authorized visitors to, Purdue University courses are permitted to take notes, which they may use for individual/group study or for other non-commercial purposes reasonably arising from enrollment in the course or the University generally.

Notes taken in class are, however, generally considered to be "derivative works" of the instructor's presentations and materials, and they are thus subject to the instructor's copyright in such presentations and materials. No individual is permitted to sell or otherwise barter notes, either to other students or to any commercial concern, for a course without the express written permission of the course instructor. To obtain permission to sell or barter notes, the individual wishing to sell or barter the notes must be registered in the course or must be an approved visitor to the class. Course instructors may choose to grant or not grant such permission at their own discretion, and may require a review of the notes prior to their being sold or bartered. If they do grant such permission, they may revoke it at any time, if they so choose.

Nondiscrimination Statement

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members and encourages

each individual to strive to reach his or her potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. A hyperlink to Purdue's full Nondiscrimination Policy Statement is included in our course Brightspace under University Policies.

Accessibility

Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please let the instructor know within the first three (3) weeks of the semester in order to discuss any adjustments. It is important that we talk about this as early as possible.

- It is the student's responsibility to notify the Disability Resource Center (<http://www.purdue.edu/drc>) of an impairment/condition that may require accommodations and/or classroom modifications. You can also contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.

Mental Health/Wellness Statement

- If you find yourself beginning to feel stress, anxiety and/or feeling slightly overwhelmed, try [WellTrack](#). Sign in and find information and tools at your fingertips, available to you at any time.
- If you need support and information about options and resources, please contact or see the [Office of the Dean of Students](#). Call 765-494-1747. Hours of operation are M-F, 8 am- 5 pm.
- If you find yourself struggling to find a healthy balance between academics, social life, stress, etc. Sign up for free one-on-one virtual or in-person sessions with a [Purdue Wellness Coach at RecWell](#). Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is completely free and can be done on BoilerConnect. If you have any questions, please contact Purdue Wellness at evans240@purdue.edu.
- If you're struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact [Counseling and Psychological Services \(CAPS\)](#) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS office on the second floor of the Purdue University Student Health Center (PUSH) during business hours.

Basic Needs Security

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. There is no appointment needed and Student Support Services is available to serve students 8 a.m.-5 p.m. Monday through Friday. Considering the significant disruptions caused by the recent global crisis as it related to COVID-19, students may submit requests for emergency assistance from the [Critical Needs Fund](#).

Emergency Preparation

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email. Students are expected to read their @purdue.edu email on a frequent basis.

Course Evaluation

The evaluation period for this course occurs at the end of the semester. Taking a few minutes to give feedback about this course is valuable to the instructor and the University, and you are encouraged to participate: https://www.purdue.edu/idp/courseevaluations/CE_Students.html. Students will receive prompts via email to complete this survey; please watch for these notices.

Course Schedule

Date	Topic	Text Reading	Homework
19-Aug	Course Introduction, the Nature and Method of Economics		
21-Aug	Brightspace, Achieve, iClicker Intro.	Ch. 1, Appendix A	
23-Aug	Trade and Specialization	Chapter 2	Chapter 2 LC Due 8/25
26-Aug	Opportunity Cost and Comparative Advantage	Chapter 2	
28-Aug	Review Chapter 2		Chapter 2 Quiz 8/30
30-Aug	Supply and Demand	Chapter 3	
2-Sep	No Class - Labor Day		Chapter 3 LC Due 9/3
4-Sep	Shifts in Supply and Demand	Chapter 3	
6-Sep	Review Chapter 3		Chapter 3 Quiz 9/8
9-Sep	Equilibrium	Chapter 4	Chapter 4 LC Due 9/10
11-Sep	Comparative Statics	Chapter 4	Discussion #1: 9/6 - 9/13
13-Sep	Review Chapter 4		Chapter 4 Quiz 9/15
16-Sep	Elasticity	Chapter 5	Chapter 5 LC Due 9/19
17-Sep	EXAM 1 on Ch. 2-4: 8 p.m. location TBA		
18-Sep	Elasticity and its Applications	Chapter 5	
20-Sep	Review Chapter 5		Chapter 5 Quiz 9/22
23-Sep	The Use of Knowledge in Society	Chapter 7	Chapter 7 LC Due 9/24
25-Sep	Speculation	Chapter 7	
27-Sep	Taxes and Subsidies	Chapter 6	Discussion #2: 9/23 - 9/30
30-Sep	Taxes and Subsidies	Chapter 6	Chapter 6 LC Due 10/1
2-Oct	Taxes and Subsidies and Review Chapter 6	Chapter 6	
4-Oct	No Class - Compensation for 1st Midterm		Chapter 6 Quiz 10/6
7-Oct	No Class - October Break		
9-Oct	Price Ceilings and Floors	Chapter 8	Chapter 8 LC Due 10/10
11-Oct	Price Ceilings and Floors	Chapter 8	
14-Oct	Review Chapter 8		Chapter 8 Quiz 10/16
16-Oct	International Trade	Chapter 9	
18-Oct	International Trade	Chapter 9	
21-Oct	International Trade	Chapter 9	Chapter 9 LC Due 10/22
23-Oct	Review for Exam		
23-Oct	EXAM 2 on Ch. 5-8: 8 p.m. location TBA		
25-Oct	Review Chapter 9		Chapter 9 Quiz 10/27
28-Oct	GDP and Growth	Chapter 26	Chapter 26 LC Due 10/29
30-Oct	GDP and Measurement of Progress	Chapter 26	
1-Nov	Review Chapter 26		Chapter 26 Quiz 11/3
4-Nov	Capital Accumulation and Growth	Chapter 28	Chapter 28 LC Due 11/5
6-Nov	Innovation, Economics of Ideas	Chapter 28	

8-Nov	Review Chapter 28		Chapter 28 Quiz 11/10
11-Nov	Saving and Investment	Chapter 29	Chapter 29 LC Due 11/12
13-Nov	The Financial System	Chapter 29	
15-Nov	Review Chapter 29		Chapter 29 Quiz 11/17
18-Nov	The Federal Reserve System	Chapter 34	Chapter 34 LC Due 11/19
20-Nov	How the Fed Controls the Money Supply	Chapter 34	
22-Nov	Review Chapter 34		Chapter 34 Quiz 11/24
25-Nov	No Class - Compensation for 2nd Midterm		Discussion #3: 11/18 - 11/25
27-Nov	No Class - Thanksgiving		
29-Nov	No Class - Thanksgiving		
2-Dec	The Wealth of Nations	Chapter 27	
4-Dec	Economic Growth	Chapter 27	Chapter 27 LC Due 12/6
6-Dec	Review of Chapter 27, for Final		Ch. 27 Video Exercise (Optional, Extra Credit) Due 12/8
TBA	Final Exam on Chapters 9, 26-29, 34: Date and Location TBA		

Schedule and assignments subject to change. Any changes will be posted in Brightspace.