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# UNIVERSITY OF COLORADO BOULDER

## PRINCIPLES OF MACROECONOMICS

### ECON 2020 SYLLABUS, SPRING 2025

INSTRUCTOR: PROF. MURAT IYIGUN

Email [murat.iyigun@colorado.edu](mailto:murat.iyigun@colorado.edu)

Office (303) 492-6653

Office Hours

- Online Office Hours: Mondays 11:00 am-12 pm in person or using Zoom (<https://cuboulder.zoom.us/j/92613356630>)

#### INSTRUCTOR BIO

Murat Iyigun, PhD, Brown University, 1995, is a professor specializing in the economics of the family, economic development & growth and cliometrics. He is a Research Fellow at the Institute for the Study of Labor (IZA), Bonn, Germany and a founding Fellow of the Association for Analytical Learning on Islam and Muslim Societies (AALIMS). Prior to joining the faculty in 2000, he served as a staff economist at the Federal Reserve Board in Washington, D.C. Some of Professor Iyigun's research has been published in top economics journals, such as the *American Economic Review*, *Quarterly Journal of Economics*, the *Review of Economic Studies* and other leading journals. He is currently the co-editor of the *Journal of Demographic Economics* (JODE) published by Cambridge University Press and an editorial board member of *Journal of Economics, Management & Religion* (JEMAR) by Elsevier Press. His general-interest book, "War Peace and Prosperity in the Name of God," was published by the University of Chicago Press in March 2015.

TERM START: January 13, 2024

TERM END: April 30, 2024

CLASSROOM: MATH 100

#### 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 2020-400: Principles of Macroeconomics"
- 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

This is an introductory class on macroeconomics, which is the study of the performance, structure, behavior and decision-making of an entire economy. The course is designed to provide students with a comprehensive framework for analyzing macroeconomic events and issues. The topics we shall cover throughout the semester include the determination of output, unemployment, inflation, interest rates, exchange rates, business cycles, and long-run economic growth. The questions of concern will include: Why are some countries rich and others hopelessly poor? What

are the sources of economics booms and recessions? Why is there unemployment? What are the sources of inflation? And, how do government policies affect output, inflation and unemployment?

## COURSE PREREQUISITES

There are no required prerequisites for this class. HOWEVER, a familiarity with the content of Principle of Microeconomics (ECON 2010) as well as a firm understanding of the basics of introductory calculus (Math for Economists, ECON 1078, 1088) would be most advantageous.

## COURSE OBJECTIVES

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

- Identify the key principles of economics and what role they play in individual behavior, market interactions and outcomes.
- Understand the role of economic models and how they help in studying macroeconomic questions.
- Comprehend the role of specialization and trade in generating economic efficiencies, while recognizing that trade and globalization affect the income distribution within societies.
- Understand how incomes, output, prices, unemployment are defined and measured.
- Identify how flows of goods and services and investments across borders are tightly related.
- Have a grasp of what influences economic growth and development.
- Identify why there is unemployment in the long run and the short run.
- Understand why there are business cycles in the economy and what roles monetary and fiscal policies can play in mitigating their adverse effects.

## REQUIRED COURSE MATERIALS

### Textbook & MindTap:

*Principles of Macroeconomics* by N. Gregory Mankiw, 9th edition through MindTap Inclusive Access. Note that MindTap is required for this course. The link for registration to MindTap is on our Canvas course page, under module "Course Information".

This course also requires the use of MindTap, which either is not fully accessible to users using assistive technology or has not yet been reviewed fully for accessibility. If you use assistive technology to access the course material, please contact your faculty member and Disability Services at 303-492-8671 or by e-mail at [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu) as soon as possible to discuss other effective means for providing equal alternate 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 "Inclusive 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: \$93.66; 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, including homework managers like Connect or MindTap. (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 January 25th, otherwise you will be charged for these 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. Although you must have these materials to pass the course, federal law mandates that you have the option of declining these materials. To do so, please visit: [www.cubookstore.com/optout](http://www.cubookstore.com/optout).

## PROCTORIO

In order to take all your exams in this course, you will be required to use Proctorio, an online exam proctoring service. Please see our Canvas course page for more information and technical requirements.

**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.

## SUPPLEMENTAL READINGS

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

## INSTRUCTIONAL METHODOLOGY AND DELIVERY

This course is delivered via distance education format using the CU Canvas system. This format will use a combination of readings, online discussion, and other web-based resources. You will interact with the instructor and other students using the communication functions provided by Canvas. You will submit assignments in accordance with the course outline using Canvas.

## COURSE PRESENTATION AND PROCEDURES

There will be 16 modules corresponding to the 14 weeks of the course (one module per week except during the midterm and final weeks when we have two modules). You should proceed through one modules per week, which will be comprised of readings from the course texts, supplemental class notes, homeworks and quizzes, exams, and various outside sources of information such as additional readings and video content, among other content. During the midterm and final weeks, you will cover exam review and preparation modules (Modules 7 and 15) in the first part of the relevant weeks. Then, you will take the exams in the second part of the week (Modules 8 and 16).

## COURSE OUTLINE

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

## EVALUATION AND GRADING

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

<b>Assignment*</b>	<b>Frequency</b>	<b>GRADE PERCENTAGE</b>
Weekly Homework Assignments	15	20%
Midterm Exam I	1	25%
Midterm Exam II	1	25%
Cumulative Final Exam	1	30%
<b>TOTAL</b>		<b>100%</b>
BONUS: In-Video Quizzes**	15	5%

\* Keep a copy of all work created for the course, including work submitted through Canvas. One assignment with the worst score will be dropped.

\*\* Partial credit allowed. If you complete all weekly quizzes and get full credit on each assignment, it will add 5% to your overall class grade.

## COURSE GRADING CRITERIA

<i>Grade</i>	<i>Percentage Grade</i>	<i>Indicates</i>
<b>A</b>	>90	Excellent
<b>A-</b>	89.99-88	
<b>B+</b>	87.99-85	
<b>B</b>	84.99-82	Above Average
<b>B-</b>	81.99-78	
<b>C+</b>	77.99-75	
<b>C</b>	74.99-72	Average
<b>C-</b>	71.99-69	
<b>D+</b>	68.99-65	
<b>D</b>	64.99-63	Below Average
<b>D-</b>	62.99-60	
<b>F</b>	<60	Failure

*There is +/- grading in this class.*

**In-Video Quizzes** – There will be in-video quizzes embedded in the lecture videos. You will get bonus credit for completing those on time and based on your scores.

**Weekly Homework Sets** – There will be weekly problem sets that are due at set times. One assignment with the worst score will be dropped.

**Exams** – There will be two midterm exams and one final. The exams are completed on Canvas and they will involve combinations of analytical problems, multiple choice questions and qualitative and comparative analyses of topics covered in articles and books covered in class.

**Weekly Quizzes** – There are 15 weekly quizzes. These are bonus assignments and will add up to 3% of your course grade.

## 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.

### E-mail

Instructor Murat Iyigun [murat.iyigun@colorado.edu](mailto:murat.iyigun@colorado.edu)

- All e-mail sent to me should contain the following: Course Name and Number (i.e., ECON 2020), 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 (720) 785-4085**

- 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 Hours**

- Online Office Hours: Tuesdays 12:30 - 2 pm using Zoom (<https://cuboulder.zoom.us/j/92613356630>)

#### **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](mailto: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](mailto: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](https://help.pearsoncmg.com/ccng/ccng_instr/ccng_xmel_instr_help_support_bridge.html) or <https://support.pearson.com/getsupport/s/>

## 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 any of the assignments, problem sets or exams. Some 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.

## 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 Code of Conduct](#).

## REQUIREMENTS FOR COVID-19

As a matter of public health and safety due to the pandemic, all members of the CU Boulder community and all visitors to campus must follow university, department and building requirements, and public health orders in place to reduce the risk of spreading infectious disease. Required safety measures at CU Boulder relevant to the classroom setting include:

- maintain 6-foot distancing when possible,

- wear a face covering in public indoor spaces and outdoors while on campus consistent with state and county health orders,
- clean local work area,
- practice hand hygiene,
- follow public health orders, and
- if sick and you live off campus, do not come onto campus (unless instructed by a CU Healthcare professional), or if you live on-campus, please alert [CU Boulder Medical Services](#).

Students who fail to adhere to these 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 policies on [COVID-19 Health and Safety](#) and [classroom behavior](#) and the [Student Code of Conduct](#). If you require accommodation because a disability prevents you from fulfilling these safety measures, please see the “Accommodation for Disabilities” statement on this syllabus.

Before returning to campus, all students must complete the [COVID-19 Student Health and Expectations Course](#). Before coming on to campus each day, all students are required to complete a [Daily Health Form](#).

Students who have tested positive for COVID-19, have symptoms of COVID-19, or have had close contact with someone who has tested positive for or had symptoms of COVID-19 must stay home and complete the [Health Questionnaire and Illness Reporting Form](#) remotely. In this class, if you are sick or quarantined.

## 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](mailto:dsinfo@colorado.edu) for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

## 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.

## HONOR CODE

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the Honor Code. Violations of the policy may include: 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](mailto: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 at the [Honor Code Office website](#).

## SEXUAL MISCONDUCT, DISCRIMINATION, HARASSMENT AND/OR RELATED RETALIATION

The University of Colorado Boulder (CU Boulder) is committed to fostering an inclusive and welcoming learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct (harassment, exploitation, and assault), intimate partner violence (dating or domestic violence), stalking, or 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](mailto: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, dating and domestic violence, stalking, 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.

See the [campus policy regarding religious observances](#) for full details.

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## COURSE WITHDRAWAL POLICY

Any student who wishes to withdraw from the course must submit a request directly to [Continuing Education](#). For complete information, please visit their website at <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.