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# UNIVERSITY OF COLORADO BOULDER

## INTERMEDIATE MACROECONOMIC THEORY

### ECON 3080 ONLINE SYLLABUS, SPRING 2021

INSTRUCTOR: PROF. MURAT IYIGUN

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

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 10:30-12:00 pm 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 14, 2021

TERM END: May 5, 2021

#### SYNCHRONOUS MEETING SCHEDULE:

Section 001: W 11:30 - 12:20

Section 002: T 12:45 - 2:00

#### 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

- *From General Catalog:* Introduces theories of aggregate economic activity including the determination of income, employment, and prices; economic growth; and fluctuations. Macroeconomic policies are explored in

both closed and open economy models.

- In this course we will study models of aggregate output, unemployment, prices, interest rates, inflation, and economic growth, in the short-run, the medium-run, and long-run, with applications to the U.S. economy, monetary and fiscal policy issues. *We will* think critically, construct arguments, and solve problems using the

theory and data that economists use. An important outcome of the course is the development of coherently understanding and analyzing important practical economic issues.

## COURSE OBJECTIVES

- By the end of the course you should be able to:
  - Apply algebraic, graphical and calculus tools to macroeconomic theory.
  - Apply macroeconomic principles, theories and models to critically analyze and explain economic situations encountered in the real world that involve macroeconomics.
  - Acquire the ability to think about complex economic issues in a logical objective manner, so that you discriminate between correct solutions to macroeconomic problems, and common misconceptions.
  - Evaluate different economic arguments and interpret the reasons why some are well-founded, while others are not.
  - Communicate the results of macroeconomic analysis in a clear and professional way.

## COURSE PREREQUISITE

Requires prerequisite courses of ECON 2020 (Principles of Macroeconomics) **and** ECON 1088 or MATH 1081 or MATH 1300 or MATH 1310 or APPM 1350 (math and Calculus) (all min grade C-). Restricted to students with 22-180 units completed.

## COURSE WEBSITE

Our course is on Canvas. You will access your textbook (Sapling Learning), class discussions, notes, any further additional readings and most importantly your grades via Canvas. Please check Canvas frequently for any relevant notifications/changes that may occur throughout the course. To access Canvas:

- Login using your CU-Boulder identikey and password at Canvas - <https://canvas.colorado.edu>
- Under Course List, click “**Econ 3080-001 or 002: Intermediate Macroeconomic Theory**”

## COURSE MATERIALS

- E-Textbook (required): Mankiw, N. Gregory, *Macroeconomics*, 10<sup>th</sup> edition with Sapling Learning. Sapling Learning is where you will read your textbook and complete some graded assignments. You will access this through our course website on Canvas.
- Purchase options: note that an eText is included with Sapling. Purchase access to Sapling through: 1. Macmillan Learning (link on the left navigation menu in Canvas course) (\$99.99) or 2. CU bookstore (Order Textbooks) (\$108.99).
- You can automatically add your course materials using your Identikey or Manually Add Courses:
  - Session: CE Online Termbased Full Sess
  - Department: ECON – Economics
  - Course: 3080
  - Section: 001 or 002 – Iyigun, Murat
  - <https://www.cubookstore.com/p-98509-saplingplus-access-card-ta-macroeconomics- includes-e-book.aspx>
- You may purchase a used paper text or rent a paper text based on your preference.
- **There is free 2-week grace access to Sapling.** This means if you are waiting for financial aid or want to delay payment for any reason, choose the free trial/courtesy access option when registering. Sapling will alert you when the free trial has expired and will prompt you to pay. Your coursework and grades will then continue seamlessly.

- You will also create an account and do some data exercises at Econlowdown.org and FRED. I will send the relevant information as the course progresses.

## 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 15 instructional modules corresponding to the 14 weeks of the course (one module per week except during the final week). There are also three exam modules (two for our midterms and one for the final exam). 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<br/>PERCENTAGE</b> |
|-----------------------------|------------------|-----------------------------|
| In-Video Quizzes            | 15               | 10%                         |
| Weekly Problem Sets*        | 15               | 10%                         |
| Learning Curve Assignments* | 15               | 10%                         |
| Midterm Exam I              | 1                | 20%                         |
| Midterm Exam II             | 1                | 20%                         |
| Cumulative Final Exam       | 1                | 30%                         |
| <b>TOTAL</b>                |                  | <b>100%</b>                 |
| Practice Quizzes**          | 15               | 3%                          |

\*Keep a copy of all work created for the course, including work submitted through Canvas. Two assignments with the worst scores in both the Weekly Problem Sets & Learning Curve Assignments will be dropped.

\*\*Partial credit allowed. If you complete all practice quizzes and get full credit on each assignment, it will add 3% to your overall class grade.

## COURSE GRADING CRITERIA

| <b>Grade</b> | <b>Percentage Grade</b> | <b>Indicates</b>     |
|--------------|-------------------------|----------------------|
| <b>A</b>     | >90                     | <i>Excellent</i>     |
| <b>A-</b>    | 89.99-87                |                      |
| <b>B+</b>    | 86.99-84                |                      |
| <b>B</b>     | 83.99-80                | <i>Above Average</i> |
| <b>B-</b>    | 79.99-76                |                      |
| <b>C+</b>    | 75.99-72                |                      |
| <b>C</b>     | 71.99-68                | <i>Average</i>       |
| <b>C-</b>    | 67.99-64                |                      |
| <b>D+</b>    | 63.99-60                |                      |
| <b>D</b>     | 59.99-56                | <i>Below Average</i> |
| <b>D-</b>    | 55.99-52                |                      |
| <b>F</b>     | <52                     | <i>Failure</i>       |

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

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

**Weekly Homework and Learning Curve Practice Sets** – There will be weekly problem sets that are due at sets times. Two assignments with the worst scores 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.

**Practice Quizzes** – There are 15 weekly practice 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., ECON2020), 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.