COLLEGE OF CHARLESTON
Department of Economics
Macroeconomic Analysis (Econ 318), Section 01
Fall 2021

Course Information

Instructor: Dr. Jessica Madariaga
Class Mode: In-person lecture
Class Times: Tuesdays and Thursdays: 12:15 pm-1:30 pm
Classroom: Tate Center for Entrepreneurship 132

Office: Beatty Center, Room 333
Office Hours: Tuesday and Thursday: 1:45-3:00pm (via Zoom)
Friday: 9am-11am (via Zoom)
Or make an appointment via email and we will meet using Zoom if the above times do not work.

Telephone: 843-953-1992
E-mail: madariagajf@cofc.edu (Please note I stop checking email after 7PM)

Prerequisites: **Formal**: ECON 200, ECON 201, MATH 104 or MATH 250, MATH 116 (formerly Math 105) or MATH 120; or permission of the instructor

Catalog Description: ECON 318
A study of classical, Keynesian, and modern economics involving the issues of consumption, monetary and fiscal policy, growth, interest, and liquidity.

Course Learning Outcome: This course provides students with a perspective on macroeconomics that is deeper and more rigorous than that offered in a principles course. The class is designed to give students a unified framework for understanding the causes and consequences of economic phenomena at the aggregate level. We will develop analytical models that stress the microeconomic underpinnings of aggregate outcomes and we will apply the predictions of these models to macroeconomic data. The class emphasis is quantitative in nature as we build links between macroeconomic models and data from the United States. By the end of the course, students will be able to:

1. Calculate and understand the various measures of an aggregate economy's performance and well-being;
2. Explain how aggregate macroeconomic behavior is affected by microeconomic behavior and equilibrium restrictions;
3. Understand how credit and labor market frictions operate and how they might impact macroeconomic behavior;
4. Answer macroeconomic policy questions by formulating a model and deriving an analytical and quantitative answer;
5. Elaborate on the factors that cause economic growth and be able to describe the patterns of economic development across countries and over time.

School of Business Learning Outcomes:
Quantitative Fluency:
Students demonstrate competency in logical reasoning and data analysis skills.

Global and Civic Responsibility:
Students identify and define social, ethical, environmental and economic challenges at local, national, and international levels. Students integrate knowledge and skills in addressing these issues.

Communication Skills:
Students demonstrate the ability, via both written and spoken word, to effectively present, critique, and defend ideas in cogent, persuasive manner.

Intellectual Innovation and Creativity:
Students are able to demonstrate their resourcefulness and originality in addressing extemporaneous problems.

Economics Learning Outcomes:

Quantitative Fluency:
Students demonstrate the ability to draw insights about economic behavior from the application of mathematical tools. Supports Strategic Initiative 1: Enhance the undergraduate academic core.

Understanding Major Economic Problems:
Students demonstrate an understanding of the major economic problems facing society and the policy alternatives which may be utilized to contend with these problems. Supports Strategic Initiative 1: Enhance the undergraduate academic core.

Synthesis:
Students demonstrate the ability to access existing knowledge by retrieving, assembling, and organizing information on particular topics and issues in economics. Supports Strategic Initiative 1: Enhance the undergraduate core.

Communication Skills:
Students demonstrate the ability to clearly communicate the analysis of an economic issue. Supports Strategic Initiative 1: Enhance the undergraduate core.

Course Structure

You are expected to actively participate in the class by engaging in all the readings, attending lectures, taking your own notes, and completing all assignments on time. Specifically, students will be expected to complete in-class assignments every Wednesday and Friday, turn in homework every Sunday night (except when an exam is due), complete three mid-term exams, and a final exam.

Homework assignments are due on Sunday by 11:59 p.m. EST and can be found in the Dropbox tool in OAKS.

"**In-class" assignments are due every Wednesday and Friday by 5:00 p.m. EST** and can be found in the Quiz or Dropbox tool in OAKS.

Exam dates can be found on the syllabus and can be found in the Dropbox tool in OAKS.

Attendance:

It is my expectation that you will attend class in person unless you have made alternative arrangements with me prior to the start of class due to illness, medical reasons, or the need to isolate or quarantine due to COVID-19. The topics and content explored in the course will be taught and communicated via class demonstrations, activities, and lectures. Therefore, attendance and participation are crucial for a complete understanding of course material. Students are expected to arrive on time and to remain for the entire class period. When in class students should turn cell phones off or to vibrate. Do not answer your cell phone during class. If it is an emergency, please excuse yourself from class.

In the event you find yourself experiencing COVID-19 related symptoms, I request that you do the following:

1. Stay home! This is the best way to prevent spreading COVID-19 as supported by scientific evidence.

2. Get tested immediately. If you test positive, it is my expectation that you will notify me.

3. It is my expectation (although it is not required) that you will also contact me to guarantee a feasible plan is in place so you can finish the semester. In the case that you are not able to finish the coursework by the end of the semester, we will need to consider options that may include a medical withdrawal or incomplete for the semester.

Participation Participation is not graded. However, participation is highly valued and to encourage participation I adopt the following policy. I will *increase* your exam score if you have been active in class discussions, usually one-half to a full point for all correctly answered questions during lecture or insightful questions asked. I will *never* decrease your grade if you do not talk or if your comments were totally off. Such grade increases due to participation are **not negotiable**. Historically, this policy has helped around 30-35% of students to move up to a higher grade relative to their grade in the absence of the policy.

Face Masks Due to the higher risk of the COVID-19 virus spreading in the classroom setting, face coverings are required for students in the classroom. I will teach with a facemask and I will wear my mask while individually helping students.

Required Material OAKS, including Gradebook, will be used for this course throughout the semester to provide the syllabus, class material, readings, and grades for each assignment, which will be regularly posted. Students will need access to a computer or mobile device with high-speed internet access in this course. You can access OAKS through My Charleston https://my.cofc.edu/ or directly at https://lms.cofc.edu/

Required Text Stephen D. Williamson, Macroeconomics. ISBN-13:9780132991339

Grading: Final grades will be determined by performance on homework assignments, in-class work, exams, and a comprehensive final exam. Specifically, final grades are calculated as the best grade based on the below three methods under a **10-point grading scale.**

Method 1	Method 2	Method 3
Exam I: 0%	Exam I: 19%	Exam I: 19%
Exam II: 19%	Exam II: 0 %	Exam II: 19%
Exam III: 19%	Exam III: 19%	Exam III: 0 %
Homework: 22%	Homework: 22%	Homework: 22%
In-Class: 15%	In-Class: 15%	In-Class: 15%
Final:25%	Final: 25%	Final: 25%

Exams Three exams and a final will be given during the term. Exams will consist primarily of short discussion questions and mathematical problems, where the emphasis is on problem solving and critical thinking. The mid-term exams will be posted on Friday and due by Sunday night.

The "take three exams, drop one" format is designed to allow students to miss class periods if needed, for any reason. *Their purpose is not to help you get a*

better grade, but rather to allow you to manage any scheduling conflicts that may arise during the course of the semester. Make-up tests will not be given.

Students will be allowed to use their book and notes for the exams, BUT students are forbidden from using the internet or have assistance /collaboration from any other individual during exams. If students engage in this behavior, expect an F in the course and an immediate notification of the student's violation to the Honor Board.

Homework I will assign homework over the course of the semester. Please take note of the following guidelines:

1. Homework submitted after the deadline are considered late.
2. Late homework will not be accepted under ANY circumstances.
3. There will be no extensions granted for individual students under any circumstances. If you are sick, there are drop homeworks built into the grading system. Please make sure to notify me if you are sick.
4. I require that all homework assignments are typed. Graphs that do not contain data may be hand drawn and is the only exception to the typing rule. The hand-drawn graph must be scanned and attached into the homework assignment. If I cannot read the scanned work, no credit will be given. ***If the assignment is not typed, I will not grade the homework and you will receive a zero.***
5. Homework must be submitted in either a .pdf or .docx format and submitted through the dropbox function in OAKS.
6. Make sure you round all answers two decimal places, i.e. 2.087 = 2.09.

In-Class Work: Over the course of the semester, I will give a number of in-class assignments. These assignments will gauge your knowledge of the material covered in class in addition to providing an incentive for you to study your previous days lecture notes before class. The purpose is to increase your practice with the application of macroeconomic problems as well as give feedback to help you internalize the concepts presented during lectures. **In-class assignments are due every Wednesday and Friday by 5:00 p.m. EST** and must be submitted in the Dropbox function of OAKS. I will drop four in-class assignments at the end of the semester. Therefore, if you miss an in-class assignment due to a prior engagement, an illness, or simply because you forgot to do the assignment, the dropped in-class assignments will cover these missing assignments. In short, late in-class assignments will not be accepted under ANY circumstances.

Final: Students who cannot take the final exam at the regularly scheduled time should not take this class. The final exam is comprehensive. If a student performs better on the final exam than the remaining lowest exam score, I will replace the lowest test score with the final exam grade. Therefore, the final exam has the potential to be worth 44% of a student's grade.

Grading Policy Any disagreement with the grade given on any homework or exam can only be contested in written form. Submit over email both the question that you believe was unfairly graded along with the economic reasoning for why your answer was correct. A written response over email will be given to you afterwards. Please note that if you do submit a disagreement, I will not only look at the answer in question but also the entire exam. This means all questions and partial credit will be under review.

No make-up assignments, including taking exams early, will be offered for any reason. Students are expected to complete online assignments far enough in advance to avoid losing points due to computer malfunctions, power outages, or similar rare events. If a student will be unable to complete a graded assignment, they should inform the professor (prior to the assignment's due date if possible) and up to one exam, 2 homeworks, and 3 additional in-class assignments may be excused from the student's grade at the professor's discretion.

Time Commitment for Success

It is essential that you stay on top of the course assignments. I will post due dates and reminders, but it is your responsibility to make sure you do not fall behind. The material can be challenging and may take a significant amount of effort to master.

To be successful in the class,

1. **Expect approximately nine to ten hours a week of active work in the class.**
2. **Anticipate logging into the course at least 3 days per week**.
3. **Complete assignments on time**. In macroeconomics, every new concept is built on previous material so give yourself enough time to process and fully understand the material.
4. **Ask questions related to course content and reading as they arise.** Questions can either be emailed to me, asked during class, or asked during office hours. Remember, macroeconomics builds on itself, the more you understand the early material, the easier the class becomes in the latter part of the semester.

Potential Of Switching To Online Learning

If the College deems it unsafe for the entire class to meet in the classroom during the semester, we will immediately switch to online learning. In this environment, class meetings will be held via Zoom during normal class periods. By attending and remaining in this class, the student consents to being recorded if we need to switch to online learning. In the case of a hurricane that results in classes being canceled, the missed lectures will be recorded by Zoom and made available to students through OAKS. In either emergency, students should have continued access to a computer as they will still be responsible for lectures and assignments posted on OAKS.

Student Behavior in the Learning Environment

As stated in the Student Handbook: " a college classroom requires a higher level of courtesy than many people exercise in ordinary public space. Everyone in a classroom is there for the purpose of learning, and no one should be able to deprive another person of the chance to learn. Expressions of rudeness and even carelessness degrades the high purpose of learning that should be paramount in a college classroom."

To maintain a respectful and supportive environment, the below outlines expectations regarding

1. Online communication with your instructor either through email or office hours,
2. Video call etiquette
3. Where to address technical difficulties

Email

Most organizations are dependent on email for internal and external communications. As ECON 318 is in the business school, I will enforce each student to use email etiquette so that it will be second nature when you enter the labor force. When corresponding with me, please:

1. Include ECON 318 in the subject line
2. Include a respectful greeting (Hi Dr. Madariaga or Dear Dr. Madariaga)
3. Use complete sentences
4. Proofread your email

Typically, I will respond to your email within 24 hours during the weekday, although my response time will be slower on the weekends (48 hours). I stop responding to emails after 7 pm. If you do not receive a reply within 48 hours, please re-send your message. **My response time is the same for emergency and non-emergencies.**

Office Hours

If email does not sufficiently answer your question (or you would simply like to talk virtually face-to-face), I am more than happy to talk over Zoom after an email request for an office hours appointment. I will use Zoom for virtual office hours because it allows for synchronous communication similar to face-to-face-interactions.

Video Etiquette

Should we need to go virtual for a period of time, I expect all students to comport themselves online just as they would in a classroom. Students should be appropriately attired. Backgrounds should not be distracting. Microphones should be muted. Students who consistently don't meet well-known standards will be warned. If students do not change their behavior after being warned, then I reserve the right to bring students before the Honor Board for obstructing the education of their peers.

Technical Difficulties

If you have technical problems, please contact Student Computing Support or Helpdesk using these methods:

1. Student Computing Support: (843-953-5457) or studentcomputingsupport@cofc.edu
2. IT Service Desk: (843-953-3375) or itservicedesk@cofc.edu

Disability Statement

The College will make reasonable accommodations for persons with documented disabilities. Students should apply at the Center for

Disability Services/SNAP, located on the first floor of the Lightsey Center, Suite 104. Students approved for accommodations are responsible for notifying me as soon as possible and for contacting me **one week before accommodation is needed**. The phone number for Disability Services/SNAP is 843-953-1431 and the web address is https://disabilityservices.cofc.edu

Center for Student Learning

I encourage you to utilize the Center for Student Learning's (CSL) academic support services for assistance in study strategies, speaking & writing skills, and course content. They offer tutoring, Supplemental Instruction, study skills appointments, and workshops. Students of all abilities have become more successful using these programs throughout their academic career and the services are available to you at no additional cost. For more information regarding these services please visit the CSL website at http://csl.cofc.edu or call (843) 953- 5635.

Honor Code

The College of Charleston Honor Code is in effect in this class. As such and as indicated in the Honor Code, all violations, when identified, are investigated. Cases of Suspected academic dishonesty must be reported to the Dean of Students and will be handled by the Honor Board.

Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when identified, are investigated. Each incident will be examined to determine the degree of deception involved.

Incidents where the instructor determines the student's actions are related more to a misunderstanding will be handled by the instructor. A written intervention designed to help prevent the student from repeating the error will be given to the student. The intervention, submitted by form and signed both the instructor and the student, will be forwarded to the Dean of Students and placed in the student's file.

Cases of suspected academic dishonesty will be reported directly by the instructor and/or others having knowledge of the incident to the Dean of Students. A student found responsible by the Honor board for academic dishonesty will receive an XF in the course, indicating failure of the course due to academic dishonesty. This grade will appear on the student's transcript for two years after which the student may petition for the X to be expunged. The student may also be place on disciplinary probation, suspended (temporary removal) or expelled (permanent removal) from the College by the Honor Board.

Students should be aware that unauthorized collaboration—working together without permission –is a form of cheating. Unless the instructor specifies that students can work together on an assignment, quiz and/or test, no collaboration during the completion of the assignment is permitted. Other forms of cheating include possessing or using an unauthorized study aid (which could include accessing information via a cell phone or computer), copying from other's exams, fabricating data, and giving unauthorized assistance.
Research conducted and/or papers written for other classes cannot be used in whole or in part for any assignment in this class without obtaining prior permission from the instructor.

Students can find the complete Honor Code and all related processes in the Student Handbook:
http://deanofstudents.cofc.edu/honor-system/studenthandbook/

ECON 318, Intermediate Macroeconomics
Tentative Schedule, Fall 2021

ABC denotes reading from Abel, Bernanke, and Croushore which will be made available on OAKS. If no reference is given for the chapter, then it is assumed to be from the main class textbook, Williamson.

WEEK OF:

August	24	Mathematics of Optimization
	26	Lagrange Multipliers
	31	Calculating GDP: Nominal vs. Real GDP [FW Approach] [Chp.2-3]
September	02	Calculating GDP: Chain-Weighted Real GDP Approach [Chp.2-3]
	07	Calculating Price Indices: Inflation: GDP Deflator vs. CPI [Chp.2-3]
	09	Calculating Interest Rates and Unemployment Rate: U3-U6 [Chp.2-3]
	10	**Exam #1 posted by 5:00pm EST**
	12	**Exam #1 due by 11:59pm EST**
	14	Consumer Behavior: The Work-Leisure Decision [Chp. 4]
	16	Consumer Behavior: The Labor Supply Curve [Chp. 4]
	21	Firm Behavior: The Production Function [Chp. 4]
	23	Firm Optimization: The Labor Demand Curve [Chp. 4]
	28	Labor Market: Labor Demand and Labor Supply Curve/Equilibrium [Chp. 4]
	30	A Two-Period Model: The Consumption-Savings Decision [Chp. 9]
October	05	A Two-Period Model: The Consumption-Savings Decision [Chp. 9]
	07	A Two-Period Model: The Consumption-Savings Decision [Chp. 9]
	12	Credit Market Imperfections: Credit Frictions and Financial Crisis [Chp. 10]
	14	A Real Intertemporal Model with Investment [Chp. 11]
	19	**No Class: Fall Break**
	21	A Real Intertemporal Model with Investment [Chp. 11]
	22	**EXAM #2 posted by 5:00pm EST**
	24	**Exam #2 due by 11:59pm EST**
	26	Money, Inflation, and Monetary Policy [ABC 7.1, 7.3. 7.4, 14]
	28	Money, Inflation, and Monetary Policy [ABC 7.1, 7.3. 7.4, 14]
November	02	Money, Inflation, and Monetary Policy [ABC 7.1, 7.3. 7.4, 14]
	04	Money, Inflation, and Monetary Policy [ABC 7.1, 7.3. 7.4, 14]
	09	IS Curve
	11	MP Curve
	16	AD Curve
	18	AS-LRAS
	23	AD-AS-LRAS : Analyzing policy using the AD-AS-LRAS Curve
	24	**Thanksgiving Break**
	25	**Thanksgiving Break**
	30	IS-MP-AD-AS-LRAS : Analyzing policy using the AD-AS-LRAS Curve
December	02	IS-MP-AD-AS-LRAS : Analyzing policy using the AD-AS-LRAS Curve
	03	**Exam #3 posted by 5:00pm EST**
	05	**Exam #3 due by 11:59pm EST**
	13	**Final Exam: 1pm-3pm**

*****The schedule is tentative and has the potential to change over the semester*****