



**INTERMEDIATE MACROECONOMICS
ECON 3080-581**

UNIVERSITY OF COLORADO BOULDER

INSTRUCTOR: DR. ALPNA BHATIA

FALL 2020: AUG 31-DEC 13

CLASS WEBSITE ACCESS VIA CANVAS.

OFFICE HOURS: Wed, Thur: 9:30 am-11:50 am and via appointment

EMAIL: alpna.bhatia@colorado.edu

PHONE

INSTRUCTOR

Dr Alpna Bhatia (Dr B) has a Ph.D. in Economics from the University of Colorado at Boulder. Her areas of academic research and interest include (but are not limited too) gender issues, sustainable development, and teaching methodology. Outside of class, Dr B is the chief experimenter in her kitchen, master list maker, and occasional killer of plants.

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) - <https://canvas.colorado.edu>
- Under Course List, click "**Econ 3080-581: Intermediate Macroeconomics**"

COURSE MATERIALS

E-Textbook (required): Mankiw, N. Gregory, Macroeconomics, 10th 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: 581 - Bhatia, Alpna
 - <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.

SUPPLEMENTAL READINGS

Supplemental readings and other materials will be provided in Canvas system. Unless marked as option these are REQUIRED readings. You will be tested on these. You will need to activate the University provided subscription to [Wall Street Journal](#) and [New York Times](#).

INSTRUCTIONAL METHODOLOGY AND DELIVERY

This course is completely delivered, asynchronously, via distance education format using the CU Canvas system. You will interact with the instructor and other students using Canvas. You will submit assignments in accordance with the course outline using Canvas.

GENERAL COURSE ANNOUNCEMENTS

Will be made on the course home page on Canvas or via Email. Please check the "announcements" section, Canvas inbox and official "Colorado.edu" email account in a timely fashion. You should choose to have canvas "[notify](#)" you immediately for course announcements.

COURSE OUTLINE

The course content is broken into 14 lecture modules. We will cover a module per week. In general, syllabi will not be changed once the semester begins. I will notify all students if any changes, should they occur, in a timely manner in writing via email/Canvas. Review the weekly class schedule titled "Course schedule" found on Canvas under the "Syllabus" link

EVALUATION AND GRADING

Multiple techniques and performance measures will be used throughout the course to assess student mastery of the content, competencies, and learning outcomes. Course grades will be determined by the completion of assignments, exams, and discussions, as shown below:

Assignment	Frequency	Points per Assignment	GRADE POINTS	GRADE
				PERCENTAGE
Model Prep (11 best of 12)	11	10	110	11%
Problem Sets (11 best of 12)	11	20	220	22%
Discussion/Exercises (5 best of 6)	5	30	150	15%
Proctored Midterm	1	200	200	20%
Proctored Final	1	225	225	22.5%
Practice Exams	2	10	20	2%
Learning Curve (15 best)	15	5	75	7.5%
TOTAL			1000	100%

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

COURSE GRADING CRITERIA

I assign letter grades based on the following criteria:

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

ASSIGNMENTS

- **MODEL PREP:** There will be a weekly (Econ) Model Prep activity that will revolve around math or writing about economics being used that week. There will be twelve (12) Model Prep activities, in total, and the lowest of these model prep assignments will be dropped from your final grade calculation. These model prep assignments are open book and open notes as well and are due by **Wednesday** midnight of each module. Credit is awarded only when completed by the due date. Each Model Prep Assignment is worth 10 points
- **LEARNING CURVES:** Each chapter has an associated learning curve activity on Sapling. Students complete this activity by answering questions until they reach the target score. Once students reach the target score, they receive full credit (a grade of 100%) for completing the activity. Students may continue answering questions to review even after they've completed the activity or after the due date has passed BUT credit is awarded only when completed by the due date. I will count your 15 best learning curve activity scores. Learning Curves are due **Wednesday** or **Friday** midnight of each module. Each Learning Curve activity is worth 5 points.
- **PROBLEM SETS:** Each module ends with a problem set due **Sunday** midnight. There are twelve (12) Problem sets each worth 20 points. The problem sets will include a combination of multiple choice, calculations, and short answer questions and will be open book and open notes. The lowest of your problem set grade will be dropped from your grade calculation. You will have two tries on each attempt of your problem set. Credit is awarded only when completed by the due date
- **DISCUSSION/EXERCISES:** Formal class discussion and exercises help extend economic analysis by relating actual events to the theories presented in class. There will be six (6) discussions or exercise postings, each worth 30 points. Again, I will drop your lowest score on one of these exercises. These are open book and open notes.

Data exercises will require you to manipulate and interpret data related to the money and banking economic issues. These data exercises will be accessed through Canvas, Econ Low Down or FRED. The exercises (20 points) will need to be completed by **Friday** midnight. Comment on your data exercise or peer evaluation (10 points) will be due by **Sunday** midnight.

Discussions will occur asynchronously; I will post a discussion question and you will respond to the questions at your convenience prior to the due date. I will post a discussion question and you (or your group, if discussion is assigned as a group activity) will respond to the questions at your convenience prior to the due date. The discussion post (20 points) will need to be completed by **Friday** midnight and peer evaluation (10 points) will be due by **Sunday** midnight **A reply that simply agrees or likes the original post will not be considered for full credit.**

I closely monitor the discussion boards but grade the board only after the deadline, not before, so everyone has a chance to contribute. It is important that you participate in class discussions to facilitate learning by other students and gain exposure to different viewpoints of other students in the class. It is therefore necessary to participate in the discussion or exercises, in a timely fashion, and not wait until the last minute to post on discussion topics. A grading rubric is available with each discussion and exercise. More detailed information will be provided with each assignment.

EXAMS

- **PRACTICE EXAMS** – There will be two (2) practice exams, one before each exam that you can take multiple times. Each practice exam is worth 10 points.
- **EXAMS**- There are two (2) exams. The midterm exam is worth 200 points and the cumulative final exam is worth 225 points. The exams will be multiple choice, calculations, and short answer questions and will be closed book.
- **SCHEDULED TIMES FOR EXAMS:** Midterm: 15th -18th Oct
Final: 10th -13th Dec
- **PROCTORING- This course requires proctored examinations.**
The course on Canvas will have detailed information about proctoring. If you are in a rural area or on a military base, you may need to be approved to use a person as a proctor and information is provided on Canvas for this approval process. You are required to have a computer with a functioning webcam and microphone or have access to a computer with a functioning webcam microphone to complete your exams.
Most likely we will use Proctorio. the online proctoring tool, the Department of Economics at the University of Colorado Boulder requires students to use. Proctorio allows students to complete an assessment while helping to ensure the integrity of the exam. There is no cost to use this tool. Please review [Proctorio Minimum System Requirements](#) to ensure you have the correct hardware and software to use this tool.

EXTRA CREDIT POLICY

Up to 50 points of extra credit may be available (= maximum 5% of the course grade) during the semester for completing certain activities. These extra credit opportunities will be determined by the instructor, will be available to all, and announced on Canvas. For example, extra credit **may be** available during the semester for completing certain activities, such as listening and commenting on a podcast, commenting on class café discussions etc. I highly encourage you to be plugged into the “real” world and relate theory learnt in class to these issues.

EXPECTATIONS OF INSTRUCTOR

I take my role as your instructor very seriously. I care about how well you do in this course and that you have a satisfying, rewarding experience. To that end, it is my commitment to respond individually to the work you submit in this class and to return your work in a timely manner. I typically take a week to grade assignments. IF the grading of your work takes longer, I will keep you informed of my progress and make every effort to return your work with feedback as soon as I can.

I also believe in protecting Student privacy ([Family Education Rights and Privacy Act](#)). I do not publicly post grades and do NOT give out grades on email. You will have to check your grades in the grade book area of Canvas. Often, I will leave comments in the comment box or rubric of the assignment. You must check these comments before you ask me to review your grade.

COMMUNICATION

COMMUNICATION

E-OFFICE HOURS: I have Office hours online **Wed and Thur: 9:30-11:50 am** or by appointment. Simply get in touch with me to schedule.

EMAIL: Email is absolutely the best way to get in touch with me, except in case of emergencies. I try to be prompt about replying to e-mail. However, you should give me about **24-48** hours to respond depending on the nature of the question. All email correspondence must take place using your **Colorado.edu** email

address (in which case your email must include your name, and your course number) or your **canvas** account. **Sometimes email gets lost (goes into spam), or slips my notice, so if you have not heard back from me in 2 days, do not hesitate to send another email.**

PHONE: Call, or text me anytime between 10 am – 7 pm MST. IF I don't answer, leave a message or send a text regarding when it is a good time to get a hold of you and I will call you back. Realize that all questions cannot be answered over the phone and I may ask to meet with you (on zoom) anyways.

COURSE POLICIES

POLICY ON DUE DATES

It is your responsibility to turn in each assignment on the required date. In general, there are NO EXTENSIONS. I will drop the lowest of your grades: 1 model prep, 1 Learn Smart, 1 problem set, and 1 exercise/discussion. So, you can miss a whole week and still be ok. The exceptions I may consider are sickness, university excused function, military service or circumstances beyond the students' control. I reserve 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.

CLASS 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](#).

ACCOMMODATION FOR DISABILITIES

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

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); 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](#).

Plagiarism is a form of academic dishonesty. Plagiarism is defined as the use of another's ideas or words without appropriate acknowledgment. Examples of plagiarism include failing to use quotation marks when directly quoting from a source; failing to document distinctive ideas from a source; fabricating or inventing sources; and copying information from the Internet.

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. 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. Because of the flexibility of timing of completion of assignments in this class, you must contact the instructor in at least two weeks in advance if you anticipate a religious holiday may impact your completion of coursework. See the [campus policy regarding religious observances](#) for full details.

INCOMPLETE POLICY

Incomplete grades (IW or IF) are NOT granted for low academic performance. Requests for incomplete grades must be initiated by the student and only when, for reasons beyond their control, the student is unable to complete the class requirements within the semester of enrollment. A substantial amount of work must have been satisfactorily completed before approval for such an incomplete grade is given. If an instructor grants a request for an incomplete, the instructor sets the conditions under which the coursework can be completed and the time limit for its completion or if the class should be retaken.

For more information please look up <https://catalog.colorado.edu/undergraduate/credits-grading/>

COURSE WITHDRAWAL POLICY

Any student who wishes to withdraw from the course must submit a request directly to [Continuing Education](#): <https://ce.colorado.edu/resources/topics/dates-and-deadlines-general-info/>

TECHNICAL HELP

- Canvas technical support: Click the “help” (?) icon on the left side of Canvas, once logged in.
- Connect: Help Click the “help” (?) icon on the right side of your webpage, once logged in.

- CU Boulder OIT - 303-735-4357 (5-HELP) or help@colorado.edu
- Students are responsible for maintaining or accessing a computer system capable of participating in all aspects of this course. This includes, but is not limited to, running the Canvas software. If for any reason you are having technical difficulties that are limiting or preventing your full participation in the class, **please contact the appropriate Help desk immediately, and then notify the instructor!** I will work with you to ensure that your online learning experience is not hampered by technical issues. However, I can only help you if you bring the matter to my attention right away.

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 “additional resources” on Canvas.

REQUIREMENTS FOR COVID-19

IN CASE OF ILLNESS

If you are unable to complete work while quarantining or sick, please alert me as soon as possible so that arrangements can be made for you to complete the course. If you are able to complete work while quarantining or sick, stay in touch in case this situation changes. Because of FERPA student privacy laws, you may, but are not required to, state the nature of your illness when notifying me.

- 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](#).
- **IF a student discloses to me that they have tested positive for COVID-19 or are having symptoms of COVID-19 or have had close contact with someone who has tested positive for COVID-19, I will need to submit that information to the Medical Services Public Health Office for the purposes of contact tracing (contacttracing@colorado.edu and/or 303-492-2937).**

Students 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.

SOME TIPS FROM DR B

- Recognize that most students find Macroeconomics to be very challenging and time consuming.
- Budget smaller chunks of time spread over the week to dialogue with the class and complete the readings, as well as any work that module.
- Make sure you pencil in due dates or sync [Canvas calendar](#) to your main calendar for reminders.
- Do not wait until the end of the semester when it is difficult, if not impossible, to correct any difficulties or makeup any missing work. **I look forward in helping you succeed.**
- **From a (past) student:** write out all of the equations/any practice math problems as you come across them throughout the course, to help remember the major concepts.

• Module	Topic	Chp	Assignments Due Date by 11:59pm MST/MDT
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start date					
1 31-Aug	The Science of Macroeconomics The Data of Macroeconomics	1 2	Module 1 Model Prep Module 1 Learning Curve Chp 1 Module 1 Learning Curve Chp 2 Module 1 Discussion Module 1 Problem Set Module 1 Discussion Peer Post	Wed Wed Fri Fri Sun Sun	2-Sep 2-Sep 4-Jan 4-Sep 6-Sep 6-Sep
2 7-Sep	National Income	3	Module 2 Model Prep Module 2 Learning curve Chp3 Module 2 Problem Set	Wed Fri Sun	9-Sep 11-Sep 13-Sep
3 14-Sep	The Monetary System Inflation	4 5	Module 3 Model Prep Module 3 Learning curve Chp 4 Module 3 Learning curve Chp 5 Module 3 Data Exercise Module 3 Problem Set Module 3 Data Exercise Comment	Wed Wed Fri Fri Sun Sun	16-Sep 16-Sep 18-Sep 18-Sep 20-Sep 20-Sep
4 21-Sep	The Open Economy Unemployment & Labor	6 7	Module 4 Model Prep Module 4 Learning curve Chp 6 Module 4 Learning curve Chp 7 Module 4 Problem Set	Wed Wed Fri Sun	23-Sep 23-Sep 25-Sep 27-Sep
5 28-Sep	Economic Growth I Economic Growth II (part of)	8 9	Module 5 Model Prep Module 5 Learning curve Chp 8 Module 5 Discussion Post Module 5 Problem Set Module 5 Discussion Peer Post	Wed Fri Fri Sun Sun	30-Sep 2-Oct 2-Oct 4-Oct 4-Oct
6 5-Oct	The Business Cycle	10	Module 6 Model Prep Module 6 Learning curve Chp 10 Module 6 Problem Set	Wed Fri Sun	7-Oct 9-Oct 11-Oct
7 12-Oct	Proctored Midterm Exam		Practice Midterm Schedule between 15th Oct - 18th Oct		