INTERMEDIATE MACROECONOMICS
ECON 3080-581

UNIVERSITY OF COLORADO BOULDER
INSTRUCTOR: DR. ALPNA BHATIA
SPRING 2021: JAN 25TH – MAY 9TH2021

CLASS WEBSITE ACCESS VIA CANVAS.
OFFICE HOURS: Tues, Wed, Thur: 9:30-11:30 pm and via appointment
ZOOM (HTTPS://CUBOULDER.ZOOM.US/MY/ALPNABHATIA)
EMAIL: **alpna.bhatia@colorado.edu**
PHONE: +1720-609-7071 works well for quick text messages.

INSTRUCTOR
Dr Alpna Bhatia (Dr B) has a Ph.D. in Economics from the University of Colorado at Boulder and has taught for 15+ years. 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. She loves to read and travel – and is big believer in "remote learning."

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.
- Discriminate between 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.

- Further your analytical, research and writing skills.

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 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 directly in the Canvas course: 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 "Day 1 Digital Access", which will appear on your tuition and fee bill as "Day 1 Digital Access".

What does this mean for you?

i. You will receive access to all your course materials, digitally, on the first day of classes, through the course Canvas page.
ii. You will see a "Day 1 Digital Access" charge on your tuition and fee bill for: **$92.06**
    a. This is a guaranteed lowest price, discounted by the publisher, and not available outside this course
    b. You have the option to opt out. This means you will not pay for anything, but you lose all access to the course materials, including homework managers like Connect or Mindtap
    c. You can opt out by using a link in a reminder email you will receive with the subject heading "Day 1 Digital Access".
    d. You must opt out no later than **February 11th**, otherwise you will be charged for the materials.
iii. 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. You will then need to buy the e-book and connect access from MacMillan
iv. If you have questions about **billing**, email: digital@cubookstore.com

There is grace access to Sapling till *February 11th*. 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. Connect 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.
- You may purchase or rent a used paper text– but you must have access to Sapling.

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:

Type of Assessment	*Times offered*	*Number counted towards grade*	*Points per Assignment*	*Grade Points*	*Grade Percentage*
Module Prep	12	11	10	110	11
Learning Curve	12+	12	10	120	12
Assignments	12	11	30	330	33
Midterm	1	1	200	200	20
Final	1	1	200	200	20
Practice Exams		2	20	40	4
GRADE 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*	

Grade	*Percentage Grade*	*Equivalent Points*	*Indicates*
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*

TYPE OF ASSESSMENTS

- **MODULE PREP:** There will be a weekly (Econ) Module Prep activity that will revolve around math or writing about economics being used that week or concepts necessary to be successful in that module. Each Module Prep Assignment is worth 10 points. These are open book and open note. There will be twelve (12) Module Prep activities, in total, and the lowest of these module prep assignments will be dropped from your final grade calculation. These are due by **Friday** midnight of each module, but I highly encourage you to start them earlier in the week. Credit is awarded only when completed by the due date. Budget about 30 minutes per module prep.

- **LEARNING CURVES:** Each chapter has an associated Learning Curve activity on Sapling, worth 10 points. 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 have 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 12 best Learning Curve scores. Learning Curves are due by **Friday** midnight of each module, but I highly encourage you to start them earlier in the week. Budget about 30-60 minutes per model prep. You can do a LearnSmart over multiple days as well.

- **MODULE ASSIGNMENTS:** Each module there is a 30-point problem set, discussion, or data exercise (or a combination thereof) assignment. There will be twelve (12) Assignment activities, in total, and the lowest of these will be dropped from your final grade calculation. Budget around 2 hours per module assessment.

PROBLEM SETS: Problem sets will include a combination of multiple choice, calculations, and short answer questions and will be open book and open notes. Take these seriously to prepare for exams. Problem Sets are due **Sunday** midnight and credit is awarded only when completed by the due date.

Data exercises will require you to manipulate and interpret data related to the macro-economic issues. These data exercises will be accessed through Canvas, Econ Low Down or FRED. The exercises are 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. 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.***

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 20 points.
- **EXAMS**- There are two (2) exams. The midterm exam is worth 200 points and the cumulative final exam is worth 200 points. The exams will be multiple choice, calculations, and short answer questions and will be closed book.

SCHEDULED TIMES FOR EXAMS:	Midterm: Thursday Mar 11th – Sunday Mar 15th Final: Thursday April 29th – Sunday May 2nd.

- **PROCTORING- This course requires proctored examinations.** CU-Boulder recommends **Proctorio**. To use this service, you must have access to a computer with a webcam and a microphone to ensure academic integrity. There is no cost for using this service. The course on Canvas will have detailed information about proctoring.
  Please review Proctorio Minimum System Requirements to ensure you have the correct hardware and software to use this tool. You can also take your exam at an accredited college or university testing center in your town or nearby if they are open. There may be a cost for using this testing center, if not at CU.
  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.

EXTRA CREDIT

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 available to all and announced on Canvas.

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 learn. 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

- **E-OFFICE HOURS:** Tues, Wed, Thur: 9:30-11:30 pm and via appointment on Zoom (https://cuboulder.zoom.us/my/alpnabhatia). 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:** +1 (720) 609-7071. This is my cell phone number. Call, or text me anytime between 10 am – 7 pm MST. IF I do not 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

LATE WORK: It is your responsibility to turn in each assignment on the required date. In general, there are NO EXTENSIONS but most work for the module can be turned in up to three days late. The grade penalty for this late work is a reduction by one full letter grade for each 24-hours the assignment is late.
Realize that I will drop the lowest of your grades:1 model prep, 1 Learn Smart, 1 problem set/exercise/discussion. So, you can miss a whole module 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.
Late assignments are not accepted for Exams.

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 does not 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/ For spring 2021, the last day to request a term withdraw is April 23, 2021.

REQUIREMENTS FOR COVID-19

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 can 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.

NETIQUETTE

I hope that we will all strive to develop a positive and supportive environment for each other. Due to the nature of the online environment, there are some things to remember regarding one's online behavior and how it may impact others:

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 do not 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 if 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*

TECHNOLOGY REQUIREMENTS AND SUPPORT

- Visit the official Canvas Computer Specifications Page for the latest list of recommended system requirements.
- Visit the Supported Browsers Page for the detailed list of internet browsers in Windows, MacOS, iOS and Android.

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.

SOME TIPS FROM DR B

- Recognize that most students find economics to be 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.
- Ask "specific" questions by e-mail and in class discussion.
- Make sure you pencil in due dates or sync Canvas calendar to your main calendar for reminders.
- Create virtual study groups : Zoom and Google Hangouts are great resources.
- Show up for office hours.
- 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 the equations/any practice math problems as you come across them throughout the course, to help remember the major concepts.