Department of Economics, University of Minnesota Twin Cities
ECON 4721 MONEY AND BANKING
SUMMER 2023 (Remote)
SYLLABUS

Course Credits: 3.0 units
Instruction Mode: Online via Zoom

INSTRUCTORS

SAUHARD SRIVASTAVA

Email: sriva238@umn.edu

Class Meetings: Tu We Th 11:00AM-1:00PM, June 6 – June 29, 2023
Meeting Link: https://umn.zoom.us/j/99639185224
Office Hours: Th 9:00AM-11:00AM (Use above link)

RICARDO ALVES MONTEIRO

Email: alves030@umn.edu

Class Meetings: Tu We Th 11:00AM-1:00PM, July 5 – July 27, 2023
Meeting Link: https://umn.zoom.us/j/98704615518
Office Hours: Th 9:00AM-11:00AM (Use above link)

REMOTE COURSE DELIVERY

This is a **Remote** course with no on-campus meetings. **Course lectures will be delivered via Zoom at the times and days mentioned above, with meetings scheduled through the course Canvas website. Office hours take place via Zoom as well.**

You need to log in to your Zoom account at umn.zoom.us, download the desktop app and use meeting links stated above to join the proper meetings. The department expects you to attend **ALL** the lectures. In the lectures, you are encouraged to keep your camera open, ask questions, make comments, and participate in class discussions. Education research shows that students who participate actively in class understand class material much better and receive higher grades.

COURSE DESCRIPTION

This course studies the role of money in an economy. Our goal is to use simple economic models to address the following questions: Why does money exist? What is the role of the

banking system? How do fiscal and monetary policies influence the aggregate economy? The discussion is often motivated by institutions and events in the economies of the U.S. and other countries, but the emphasis is on understanding the theoretical principles by analyzing general economic models.

PREREQUISITES

You must have successfully completed Intermediate Microeconomics (ECON 3101) and Intermediate Macroeconomics (ECON 3102). A working knowledge of introductory calculus and elementary statistics is assumed.

LECTURES

All Lectures will be held via Zoom. The link is provided above and will be available on the Canvas page for the course.

OFFICE HOURS

Instructors will hold office hours via Zoom. If you cannot make these hours, please email them and they can set up a meeting by appointment.

COMMUNICATION BETWEEN STUDENTS AND INSTRUCTOR

All the information related to this course can be found on the course Canvas page. You should check the course canvas page at least twice a week to keep up with course updates. Homework assignments, exams, any study material, announcements, and updates will be posted on canvas.

In addition, you can always contact the instructors via email (see email above). Include ECON 4721 in the email subject and allow up to 48 hours for response before sending a follow-up email.

RECOMMENDED READINGS

1. Frederic Mishkin. *The Economics of Money, Banking and Financial Markets*, 13th Edition. Pearson, 2021.
2. Bruce Champ, Scott Freeman, and Joseph Haslag. *Modelling Monetary Economies*, 3rd Edition. Cambridge University Press, 2011.
3. Carl Walsh. *Monetary Theory and Policy*, 4th Edition, The MIT Press, 2017.
4. Pablo Kurlat. *A Course in Modern Macroeconomics*. 2020
5. Julio Garín, Rob Lester and Eric Sims. *Intermediate Macroeconomics*. 2021

Note: The material covered in class will be independent of these readings. These textbooks serve as a complement to the course, by providing additional practice problems, alternative explanations, and examples.

TENTATIVE COURSE SCHEDULE
- Math Refresher
- Money: Concept, Functions, Measurement, Supply and Demand
- Money and Inflation
- Monetary Policy
- Introduction to Banking
- Liquidity Transformation and Bank Runs
- Bond Pricing
- Sovereign Debt and Default

COURSE REQUIREMENTS AND GRADING
Activities and assignments in this class include:

- TWO Homework Assignments (tentative)
- ONE Midterm Exam
- ONE Final Exam

Details of each assignment or activity will be provided on Canvas. Extra credit is not offered on this course.

HOMEWORK ASSIGNMENTS
You will be required to complete TWO Homework assignments for this course. Written answers to homework assignments must be typed; Graphs and numerical work need not be typed but should be legible and very neat. You are allowed to work in groups of 3-4 students.

Homework solutions must be submitted online via Canvas. Your Homework solution should be uploaded as a single pdf file. The submission deadline will be announced on Canvas. Homework deadlines are strictly enforced. Late submissions will receive a penalty of 20% of their grade for each day they are late.

EXAMS
Both exams are take-home exams; you will have 2 hours to complete them. They will be published on Canvas. You do not need to print the question sheets. You should write your

answers on some plain paper, scan all pages, merge all pictures/diagrams, and transform them into one single pdf file, and finally submit the pdf file on Canvas before the deadline.

You can use a scan App on your phones to scan the exam and upload it. You must upload the exams to the course canvas site by the time listed. It is suggested you begin doing this 10-15 minutes earlier, to avoid any issues while submitting. Late submissions will not be graded.

All exams are closed book, closed notes, no calculators are allowed. All students must write and submit their individual solutions. Collaboration/communication with other students, use of unauthorized resources and any form of academic dishonesty during the exam is strictly prohibited.

Midterm Exam date: June 29, 2023, 11:00AM-1:00PM

Final Exam date: July 27, 2023, 11:00AM-1:00PM

There are **NO** makeup exams.

FEEDBACK

Your homework and exam solutions will be graded, and the answer keys will be published online after the submission deadline.

Any request for a change of grade in an assignment or exam must be made in writing with a clear explanation of why you think you deserve more (or fewer) points on a question. This request will only be accepted within one week of your receipt of the graded assignment or exam.

GRADING SCHEME

Your final numerical grade for the course will be computed as a weighted average of your homework and exam scores. The weighting scheme is as follows:

- Homework Assignments 20%
- Midterm Exam 40%
- Final Exam 40%

The Department grading scale for converting numerical grades to letter grades is as follows:

Numerical grade (%)	Letter grade
92-100	A
90-91	A-
88-89	B+
82-87	B
80-81	B-
78-79	C+
72-77	C
70-71	C-
68-69	D+
60-67	D
59 and below	F

APPROPRIATE ONLINE CONDUCT

Please treat each other and the instructor with respect and listen to their views. Respectful interactions are critical to successful professional conduct and this course is no exception. Please consider your tone and language, especially when communicating in text format, as the lack of other cues can lead to misinterpretation. Like other work in the course, all student-to-student communication is governed by the University's Student Conduct Code.

APPROPRIATE USE OF COURSE MATERIALS

Sharing course materials with anyone outside of the class is a violation of intellectual property per Item 6 of the U of M policy on student responsibilities. Please do not share any course material with anyone else.

TECHNOLOGY REQUIREMENTS AND SKILLS

These technical requirements will allow you to access the Canvas site successfully, send/receive online communications, attend class meetings, complete assigned activities, and view multimedia content.

- A U of M internet ID (your official U of M email address).
- Laptop/desktop/tablet computer with a webcam and microphone.
- Reliable, high-speed Internet access.
- A supported web browser (Google Chrome is strongly recommended; If you are using Safari, you may run into problems at some point.)
- Zoom Desktop client App.

You are expected to have the ability to use the following technologies: online course site navigation though Canvas, assignment submission and exam taking in Canvas, Microsoft 365 (Office suite) tools such as Word, PowerPoint, and Excel (or equivalents), and online collaboration and presentation tools. Technical support is available at UMN IT help site. Information on campus computer labs and learning spaces are available. The Information Technology page Working and Learning Off Campus is for students who need help with technology issues. For tips and information about Canvas visit the Canvas Student Guide.

It is recommended that students use a desktop or laptop computer less than six years old with at least 1GB of RAM and use the most recent version of Google Chrome with JavaScript enabled.

You must download and install the latest version of Zoom Desktop client. At least 16mbps internet connectivity is recommended for Zoom meetings. You must keep your computer camera/video during class; it helps the instructor and builds classroom community. Please keep your audio turned off in Zoom and turn it on when asking questions or participating in class discussions.

All communication about this course will come to you through Canvas or email. During the first week of class, please make sure you set your notifications so that you receive course information. This is your responsibility.

Due date extensions will NOT be granted in response to technical problems you may have with the devices or services you're using. If your personal computer does not have the necessary capabilities to complete the activities and assignments for this course, or if you experience difficulties with your internet connection, you must find alternative computer resources (link mentioned above).

USE OF ARTIFICIAL INTELLIGENCE BASED TOOLS IN CLASSWORK
Artificial intelligence (AI) language models, such as ChatGPT, and online assignment help tools, such as Chegg®, are examples of online learning support platforms: **they cannot be used for course assignments** except as explicitly authorized by the instructor. The following actions are prohibited in this course:

- Submitting all or any part of an assignment statement to an online learning support platform.
- Incorporating any part of an AI generated response in an assignment.
- Using AI to brainstorm, formulate arguments, or template ideas for assignments.
- Using AI to summarize or contextualize source materials.

- Submitting your own work for this class to an online learning support platform for iteration or improvement.

If you are in doubt as to whether you are using an online learning support platform appropriately in this course, you are encouraged to discuss your situation with the instructors.

Any assignment content composed by any resource other than you, regardless of whether that resource is human or digital, must be attributed to the source through proper citation. (Examples of citing content composed by digital tools are presented in: libguides.umn.edu/chatgpt.

Unattributed use of online learning support platforms and unauthorized sharing of instructional property are forms of scholastic dishonesty and will be treated as such. Students may receive a score of zero if unauthorized AI tools are used in any assignment or exam that is graded.

Please consult the DUS, Dr. Simran Sahi, if you have questions. She can be reached at ssahi@umn.edu.

INSTRUCTIONAL TIME AND STUDENT EFFORT
For undergraduate courses, one credit is defined as equivalent to three hours of additional work per week for the course, for students to achieve an average grade. This implies that you should put in at least 9 additional hours per week on this course, along with attending class for 360 minutes per week.

DEPARTMENT OF ECONOMICS - PROCEDURES AND POLICIES 2023

CLASS ASSIGNMENTS

Written answers to homework assignments must be typed; Graphs and numerical work need not be typed but should be legible.

COURSE PREREQUISITES

Students are expected to have successfully completed all prerequisites prior to taking an Economics course.

STUDENTS WITH DISABILITIES

Reasonable accommodations will be provided for all students with documented disabilities (by the DRC). Contact the instructor at the beginning of the semester to work out details. This information will be kept confidential.

STUDENT MENTAL HEALTH AND STUDENT COUNSELING SERVICES:

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. University of Minnesota services are available to assist you with addressing these and other concerns. Information about confidential mental health services is available at: https://boynton.umn.edu/clinics/mental-health Student Counseling Services website: https://counseling.umn.edu/

SEXUAL MISCONDUCT

Sexual misconduct (sexual harassment, sexual assault, stalking, and relationship violence) includes unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature. Such behavior is prohibited in the University setting.

Per the U of M policy on sexual harassment, *Instructors are required to share information that they learn about possible sexual misconduct* with the campus Title IX office. Within the requirements of their job, they will be as responsive as possible to your requests for confidentiality and support. You can also, or alternately, choose to talk with a confidential resource that will not share information that they learn about sexual misconduct. Confidential resources include The Aurora Center, Boynton Mental Health, and Student Counseling Services.

DROPPING A CLASS

Termination of attendance alone is not sufficient to drop a class. You must notify the Registrar's office. Please contact your academic (college) adviser for details on this process and pay attention to University deadlines for add/drop.

INCOMPLETE GRADE

Low class standing is not a valid reason for an Incomplete grade. An 'I' grade is given only in exceptional circumstances like family emergencies or hospitalization; arrangements must be worked out between the student and instructor **before** the final exam. We require written proof of emergencies. Details about 'I' grades and how to make it up are to be decided by the instructor and student; you need to fill out the form.

MAKE-UP EXAMS

Make-up exams are possible for the final exam only if the student has another exam scheduled at the same time or has three exams within a 16-hour period. This should be pre-arranged with the instructor at least three weeks before the final exam. Make up final exams may also be possible for documented medical emergencies.

SCHOLASTIC DISHONESTY

"The College of Liberal Arts defines scholastic dishonesty broadly as any act by a student that misrepresents the student's own academic work or that compromises the academic work of another. Examples include cheating on assignments or exams, plagiarizing (misrepresenting as one's own anything done by another), unauthorized collaboration on assignments or exams, or sabotaging another student's work".

The University Student Conduct Code defines scholastic dishonesty as "Submission of false records of academic achievement; cheating on assignments or examinations; plagiarizing; altering, forging, or misusing a University academic record; taking, acquiring, or using text materials without faculty permission; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement."

Penalties for scholastic dishonesty of any kind in any course will entail an 'F' for the assignment/exam or the course.

Website for information on Student Academic Misconduct- https://communitystandards.umn.edu/avoid-violations/avoiding-scholastic-dishonesty

STUDENT CONDUCT AND CLASSROOM BEHAVIOR

Students are expected to contribute to a calm, productive, and learning environment. Check the Student Conduct Code:

https://regents.umn.edu/sites/regents.umn.edu/files/2019-09/policy_student_conduct_code.pdf

to find out what is expected of you.

STUDY ABROAD IN ECONOMICS

The Department encourages you to undertake Study Abroad. There are many courses in foreign countries that can satisfy some economics major, minor, or Liberal Education requirements. For more information, please contact our Undergraduate Advisers, Ms. Annie Bigley, and Ms. Tiffany Kroeze Murphy, or the University's Learning Abroad Center at http://www.umabroad.umn.edu/

UNDERGRADUATE ADVISERS

Contact the Undergraduate Advisers if you wish to sign up for an Economics major or minor or to get information about institutions of higher study. Your APAS form will list your progress toward an Economics degree.

Adviser: Ms. Tiffany Kroeze Murphy and Ms. Annie Bigley *(*econadv@umn.edu*)*; Sign up for appointments at econ.appointments.umn.edu

ECONOMICS UNDERGRADUATE PROGRAM INFORMATION

Available on the Internet at: https://cla.umn.edu/economics/undergraduate. Registration policies are listed in the University Course Schedules and College Bulletins.

COMPLAINTS OR CONCERNS ABOUT COURSES

All course grades are subject to department review. Please contact your instructor or TA if you have any complaints/concerns about the course. If your concerns are not resolved after talking with your instructor, you can contact Dr. Simran Sahi, Director of Undergraduate Studies. She can be reached at ssahi@umn.edu.