

Instructor: Kristina Sargent, ECON 309C, kristina.sargent@colorado.edu

Office Hours: M W 11:30 AM-12:30 PM and by appointment.

Textbook: Sydsaeter and Hammond **Essential Mathematics for Economic Analysis** Get any edition you'd like. Homework problems will come from the 4th edition.

Website: D2L

Prerequisites: ECON 1078 or equivalent. I will strictly enforce this requirement.

Course Description: This class is the second of a two course sequence. It is a continuation of ECON 1078 which builds upon the basic foundation developed in that course. Whereas 1078 is considered a "precalculus" course, 1088 is much like Calculus 1 in the engineering or math departments. As such, many of you will find the material more difficult to master than 1078. Additionally, the schedule during the summer course makes mastery of the material more difficult, in my humble opinion. As such, I expect you to attend class daily, and to complete the homework in order to have a sufficient understanding of the material to prepare you for intermediate and upper level economics courses here at CU. This course is designed specifically to provide you the necessary skills to complete Intermediate Micro and Macro courses, statistics and econometrics, as well as upper division electives in the Economics department

Grade Policy:

Midterm 1 25%

Midterm 2 25%

Final 25%

Quizzes 25%

Important Dates:

Drop Deadline	September 9
Final Exam Rescheduling	September 9
First Test	September 25
Second Test	November 6
Final	December 16

Lectures: Attendance of the first three classes is mandatory, and non-attendance may result in being administratively dropped from the course.

In some cases lecture will extend beyond the content of the textbook, so it is strongly encouraged you attend lecture. My lecture notes will not be available, so if you do miss a class you should plan on getting notes from a classmate. Lectures are intended to cover material from the book and connect the concepts to real world examples, providing additional in class practice when appropriate.

Homework: I will suggest problems to correspond with each lecture. Homework is neither collected nor graded, but will greatly aid in your success on the quizzes. Problems are chosen for their applicability, and usefulness. I highly recommend you complete all the homework problems I suggest.

Quizzes: Each Friday except for exam weeks I will give a **5 minute quiz**. The questions will come directly from the suggested homework. Quizzes will be three to five questions, depending on the difficulty. You will have the first five minutes of class to complete each quiz. If you are late, you will miss the quiz. There are no make-up quizzes. Material will cover the three days since the previous quiz. The first quiz will be Friday, August 28. It will be graded on completion to give you an idea of what the quiz will consist of.

Exams: I do not give make-up exams nor do I give exams early. Any unexcused absence on an exam day will result in a zero for that exam. If you do have a valid emergency which precludes you from taking the exams on the given date your final score will be recalculated re-weighting the other two exams 37.5%. Please communicate any conflicts with exam dates as soon as possible; you will find instructors are more flexible when you do not wait until the last minute to deal with conflicts. Finally, no cell phone calculators are permitted for exams. Please bring a basic calculator or be prepared to do calculations with pen and paper.

If you have three or more final exams scheduled on the same day, you are entitled to arrange an alternative exam time for the last exam or exams scheduled on that day. Also, if you have two final exams scheduled to meet at the same time you are entitled to arrange an alternative examination time for the later course. To qualify for rescheduling final exam times, you must provide evidence that you have three or more exams on the same day or two exams meeting at the same time, and arrangements must be made with your instructor no later than the late drop deadline (September 9).

Office Hours: These are for your benefit, please take advantage of them. It is an excellent opportunity to get individual or small group help to clarify concepts from class. If my office hours do not work for you due to another class or work, please email me and we can arrange a time to meet.

Email: Please use email wisely. I will do my best to respond to emails in a timely fashion, usually less than 24 hours- I will not respond out of regular business hours (M-F 8-5). If your question has to do with clarification, it may be difficult to explain fully over email, so I will suggest coming to office hours. If I feel the entire class could benefit from the clarification, I will do so in lecture. Finally, I will be hesitant to answer emails which ask something administrative which is included on the syllabus, i.e. when is the exam or are any assignments dropped?

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the free tutoring lab offered by the department. Once the tutoring schedule is posted, I will email the class, and post to D2L.

If you want to hire an outsider tutor (for a fee), you can find a list of such people through the department website. Once the list is published, I will send this information via email and post on D2L.

Tentative Course Outline:

Exam dates are firm. Topic coverage is subject to change.

Week	Topic	Chapter(s)
Week 1	Intro, Slopes	6.1-6.3
Week 2	Slopes, Derivatives	6.4-6.6
Week 3	Derivative Rules	6.7, 6.8
Week 4	Derivative	6.9-6.11
Week 5	Review, Midterm 1	
Week 6	Derivatives and Applications	7.1, 7.2, 7.7
Week 7	Optimization	8.1-8.3
Week 8	Extreme and Inflection Points	8.6, 8.7
Week 9	Derivatives with Two Variables	11.1, 11.2
Week 10	Derivatives with Many Variables	11.5, 11.6
Week 11	Review, Exam 2	
Week 12	Integration	9.1-9.3
Week 13	Applications of Integration	9.4, 9.5
Week 14	NO CLASS FALL BREAK	
Week 15	Integration Rules	9.5, 9.6
Week 16	Wrap-up, Review, Extra Office Hours	
.....	Final December 16, 2015 in HLMS 241	

Tips for Success:

Things that I think generally help you do well in my class:

- 1) Read the book chapter before class. This will greatly increase what you get out of lecture, and improve recollection of the material for the exam.
- 2) Skim the book chapter again after class. Recall the concepts which seemed difficult prior to class, those that are still difficult, and those that seem easy.
- 3) Do the homework as we cover the material in class. Do not wait until the day/day before the quiz. If you work as we go, the homework will naturally build from lecture materials, and won't take as long as if you wait to tackle it at midnight.
- 4) Use office hours effectively. This means coming prepared with specific questions either from lecture, homework or other sources.
- 5) Use the tutoring lab, and/or hire a private tutor.
- 6) Come to class. This seems like a no-brainer, but it always amazes me how many students skip every lecture, only to be lost come exam time.
- 7) Don't be afraid to ask questions, or to ask for help!
- 8) Finally, don't cheat. If you don't know the material, own up to it, and take the grade you earn.

University Policies:

Disability Policy

If you qualify for accommodations because of a disability, please submit a letter from Disability Services to me in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, and <http://www.Colorado.EDU/disabilityservices>

Religious Observance Policy

Campus policy regarding religious observances requires that faculty make every effort reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments, or required attendance. If you have a conflict, please contact me at the beginning of the semester so we can make proper arrangements.

Code of Behavior Policy

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to such behavioral standards may be subject to discipline. Faculty have the professional responsibility to treat all students with understanding, dignity, and respect to guide classroom discussion and to set reasonable limits on the manner in which they and their students express opinions. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender variance, and nationalities. Class rosters are provided to the instructor with the students legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make the appropriate changes to my records.

Honor Code

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu: 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode>

Discrimination and Harassment Policy The University of Colorado at Boulder policy on Discrimination and Harassment (<http://www.colorado.edu/policies/discrimination.html>, the University of Colorado policy on Sexual Harassment, and the University of Colorado policy on Amorous Relationships applies to all students, staff, and faculty. Any student, staff, or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>