ECON 1088 Syllabus
Mathematical Tools for Economists II
Summer 2014, Term B

Instructor: Kristina Sargent
Office: Econ 309C   **Office Hours:** M 1-2 pm
                                                          W 9:50-10:50 am   and by appointment
                                                          Th 1-2 pm

Email: kristina.sargent@colorado.edu

Course Meeting: M-F 11:00 am- 12:35 pm

Prerequisite: ECON 1078 or MATH 1071

Textbook: Essential Mathematics for Economic Analysis, 3rd edition, by Knut Sydsæter and Peter Hammond, Prentice Hall, 2008.

Note: If you use a version other than the 3rd edition, pay careful attention to homework problems. Check with me, or another student that you are doing the correct problems as assignments and numbers vary by edition.

Website: D2L

Content:
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 "pre-calculus" 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.

Grades:
Your grade will consist of one midterm, one final, in-class worksheets, and homework assignments. There will be no late or make-up midterm or final for any reason. Each part of your grade is weighted as follows:

Midterm:	25%	Tuesday, July 22
Final:	40%	Friday, August 8
In-class Worksheets:	15%	
Homework:	20%	

The midterm will cover all sections covered in the first two weeks of class. The final will be comprehensive.

In class worksheets are meant to be completed in groups, helping eachother to practice material covered in class that day. I will also be moving between groups to provide help on trickier problems. There will be one worksheet per day. I will post these on D2L at least the night before the class in which the material will be covered. Please print and bring these to class. These will be graded based on completion and participation. I will collect them each day.

Homework assignments will build on material from lecture and the worksheets. Some problems may be on the worksheets. Homework will be graded as worth 10 points each. You will earn 5 points for turning in the assignment completed and on time, and the remaining 5 points will come from me grading one random problem. Homework is assigned daily, but the entire course schedule is posted on D2L to allow you to work ahead as you wish. Homework is due 2 class days after it is assigned. For example: assignments for Tuesday classes are due on Thursday, Thursday assignments are due Monday. I will not accept any late homework.

Given the accelerated nature of this course, it is extremely important for you to keep up with course work. If at any time you feel you are struggling, PLEASE come talk to me in office hours. It is much better to come earlier rather than later, as the "semester" is so short, it may be too late. Do not wait until the first midterm to talk to me if you are having any problems at all.

Grading Scale

93-100%	A	73-76.99%	C
90-92.99%	A-	70-72.99%	C-
87-89.99%	B+	67-69.99%	D+
83-86.99%	B	63-66.99%	D
80-82.99%	B-	60-62.99%	D-
77-79.99%	C+	Below 60%	F

Attendance

Attendance is extremely important. Mathematical concepts build on prior knowledge and it is very important not to get behind. I will use your in-class worksheets as a way to monitor attendance. I reserve the right to use a different attendance policy if I feel attendance is too low.

Computers, Cell Phones, Calculators:
Cell phones and laptops are not allowed in class or exams. Math is a subject best learned through practice and repetition, and you will not get this from taking notes on a computer. If you have a special requirement that necessitates the use of a laptop in class, please come talk with me after the first class. Calculators will not be necessary for the vast majority of the course. I understand the desire to have one "just in case", and so I will permit the use of scientific and four-function calculators in class and on exams. Under no circumstance will you be permitted to use a graphing calculator or other programmable calculator on an exam. If you'd like to use a graphing calculator in class or on the homework to visualize the functions we'll be working with, that is fine, but don't use it as a crutch to find extreme points, or you will find the exams to be exceedingly difficult.

Tentative Schedule

Week	Book Sections	Topics	Exams
1 July 8-11	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8	Slopes, Tangents, Derivatives	
2 July 14-18	6.9, 6.10, 6.11 7.1, 7.2, 7.7, 8.1, 8.2 (7.8, 7.9)	Derivatives, Economic Applications, Optimization	Midterm, July 22
3 July 21-25	Review 8.3, 11.1, 11.2 (8.6, 8.7)	Economic Applications, Functions of More Variables	
4 July 28- August 1	11.6, 11.7 9.1, 9.2, 9.3	Partial Derivatives, Economic Applications, Integration	
5 August 4-8	9.4, 9.6 (9.5) Review	Integration	Final, August 8

Homework assignments and daily worksheets can be found on the D2L site for the course. I will post these in advance for your convenience.
Campus Policies
<u>Disability</u>

If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at dsinfo@colorado.edu.

If you have a temporary medical condition or injury, see Temporary Injuries under Quick Links at Disability Services website (http://disabilityservices.colorado.edu/) and discuss your needs with your professor.

Religious Observances

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. In this class, I am happy to accommodate any student's religious observances. If you will be missing class or an exam for any religious reason during the semester, you must notify me, in writing, of any days missed or special accommodations required by **July 11, 2014.** See full details at http://www.colorado.edu/policies/fac_relig.html

Classroom Behavior

Students and faculty each have responsibility for maintaining an appropriate learning environment. 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 differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's 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 appropriate changes to my records. See policies at http://www.colorado.edu/policies/classbehavior.html   and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code

Discrimination and Harassment

The University of Colorado Boulder (CU-Boulder) is committed to maintaining a positive learning, working, and living environment. The University of Colorado does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, sexual orientation, or veteran status in admission and access to, and treatment and employment in, its educational programs and activities. (Regent Law, Article 10, amended 11/8/2001). CU-Boulder will not tolerate acts of discrimination or harassment based upon Protected Classes or related retaliation against or by any employee or student. For purposes of this CU-Boulder policy, "Protected Classes" refers to race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, or veteran status. Individuals who believe they have been discriminated against should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Student Conduct (OSC) at 303-492-5550. Information about the ODH, the above referenced policies, and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at http://hr.colorado.edu/dh/

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; 303-735-2273). 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://honorcode.colorado.edu

If I catch you cheating, I will not hesitate to report the incident to the Honor Code Council. I reserve the right to fail your assignment, exam or the entire course. Please, do not cheat!