

Instructor: Benjamin Zhang (pronounced j-ah-ng)

Office: Economics 401

Email: Benjamin.Zhang@colorado.edu

Course website: Canvas

Office Hours: Thursday 11:30 - 2:30 PM and by appointment.

Course materials:

Textbook: Knut Sydsaeter, Peter Hammond, Arne Strom and Andres Carvajal, *Essential Mathematics for Economic Analysis*, Pearson, 5th ed., 2016 (3rd or 4th edition are also acceptable).

Outside material: 3Blue1Brown's Essence of Calculus series.

Prerequisites:

1. ECON 1078 or equivalent from another institution.

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. We will study derivatives, optimization, and integrals. These are Chapters 6, 7, 8, 9, and 11 in the textbook. These tools will help you better understand the mathematical framework on which economics models are based and help prepare you for more advanced economics.

Grading Policy:

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.

Office Hours: These are for your benefit, 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 2 hours - keep in mind your instructors also have lives, do not expect a fast response

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>