

Syllabus/Course Information

Course Description

Econ 3818 is a first course in the theory and methods of statistics, and is required for Economics major. This is basically a math class and it will be highly centered on theory rather than application using Excel. We will study probability theory until the second week and will focus on statistics afterwards. In statistics part, we will think about what discrete and continuous random variables are and will also learn its related distributions. Furthermore, we will think about descriptive and inferential statistics including estimation and hypothesis testing.

You will have an exam every Friday for the contents you learned for a week. Although you have lots of exams in a month, I believe the burden for studying will be relatively lightened. In class, I will try to give many practice examples and will give you time to do group work so that you can discuss your idea with your friends.

Instructor Info/Schedule

Instructor: Doyoung Park

Class Meetings: MTWRF 9:15 am – 10:50 am at KTCH 1B71

Office: ECON 401 & Office Hours: MTWR after class until 12:00 pm or by appointment

Email: dopa3399@colorado.edu

Course Website: Desire2Learn

Textbook:

Caniglia, Statistics for Economics, An Intuitive Approach, Harper Collins Publisher, 1992. This book is out of print, but available in soft cover at the CU bookstore for \$60. Since there is no disk or key to unlock a publisher web site associated with this book, and since there is only one edition, any used copy is equivalent to a new copy. The text has been used for this course at CU for the last four semesters, so that it is available on all the second hand book sites, at the Colorado Bookstore on College Avenue in Boulder, and other places.

Class Organization:

The class will be normally 60 - 75 minute lecture (I can fill up the whole time slot depends on the material or your understanding). At the beginning, I will write an overview on the board so that you can take a look what you will learn that day. This overview will be helpful to guide you to understand which part we are learning and how all contents are related. I will review the contents again at the end of the class to make sure if you understand the class contents correctly. During the lecture, you need to do a group activity. I will write several questions on the board and will give you some time to practice. The group size will be 2-3. You don't need to hand in your answer sheet.

Grading: Again, every Friday is an exam day!

Your total grade in this course will be determined by the following breakdown.

- Recitation (10% of Grade): See the recitation syllabus.
- 4 Midterms: 20% each (I will drop one of the exams with the lowest score)
- Final (30% of Grade): It will be cumulative.

In Detail,

Recitation:

Attending recitation is a very useful way to review the contents that you have learned in class. Also recitation grade takes 10% portion of your total score, so please do not miss it. I will ask TAs to briefly review the class material and mainly focus on doing group/individual activity such as solving numerous problem sets. I will design exams taking all the problem sets you have covered in recitation into account. Therefore the problem sets in recitation is extremely important to get a good grade for this course. TA will explain other grading criteria (e.g., attendance, quizzes etc.) in recitation.

In Class Group Work:

The class will be 60-75 minute lecture. I will try to give you many examples so that you can figure out how the concepts you just learn can be applied in a variety of questions that you may face in the exam. At the end of the lecture, I will review what we learned in class. After the review, we will have a group activity solving several problems related to the class contents. At this time, I will be your "private tutor" so that you can ask any questions freely.

Homework?

There will be NO HOMEWORK! I don't want to keep putting pressure on you. However, we should keep in mind that math/statistics needs a lot of practice to get used to and eventually to get a good grade. All the practice will be done in class by group works and by recitation solving problem sets. If you have any questions about the problems, you are welcome to ask questions! Ask as many questions as you can!

Communication:

If you have questions, you can send me an email. If you are asking for what you can find the answer in the syllabus, I will not answer your email. However, if it is related to the class contents, I will try my best to reply as soon as possible.

Test Policy:

There will be no makeup exams. If you miss the exam, you will get zero with no exceptions. You will have an exam every Friday in class time. The exam will cover what you learned that week. Midterms will NOT be cumulative. However, the final will cover all materials you learned in class.

The exam is not comprised of multiple-choice questions. This means that you need to show your calculations and every step of your logic clearly and neatly. I will value more on the procedure rather than the answer per se. See below:

Grading Criteria:

- No (Insufficient) procedure & Incorrect Answer: 0% of the total credit
- No (Insufficient) procedure & Correct Answer: 20%
- Procedure with crucial mistakes (subjectively determined) & Incorrect Answer: 50% (same for correct answer)
- Procedure with minor mistakes (subjectively determined) & Incorrect Answer: 80% (same for correct answer)
- Correct procedure & Correct Answer: 100%

All exams and group worksheets and recitation exams will follow this grading rule. Exams will be very similar to problem sets you have solved in recitation and the examples you did as a group work in class. So the tip for preparing exams is to pay attention to those materials!

Calculators:

You will NOT be allowed to use graphing calculators on any of the exams. On exam days, if you try to use a graphing calculator you will be asked to put it away. However, you can use general calculator during the exam.

Other Notes:**Student with Disabilities:**

If you qualify for accommodations because of a disability, please submit to me a letter from disability services in a timely manner so that your needs can be addressed. Disability services determine accommodations based on documented disabilities. Contact: 303-492-8671, Center for Community N200.

Religious Observance Policy:

Campus policy regarding religious observances requires that faculty make every effort to 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 term so we can make proper arrangements.

Classroom 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 has 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 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_cod

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 & Harassment Policy The University of Colorado Policy on Sexual Harassment applies to all students, staff and faculty. Sexual harassment is unwelcome sexual attention. It can involve intimidation, threats, coercion, or promises or create an environment that is hostile or offensive. Harassment may occur between members of the same or opposite gender and between any combinations of members in the campus community: students, faculty, staff, and administrators. Harassment can occur anywhere on campus, including the classroom, the workplace, or a residence hall. Any student, staff or faculty member who believes s/he has been sexually harassed 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 who believe they have been sexually harassed can be obtained at: <http://www.colorado.edu/odh/>