

**ECON 3018-030**  
**Introduction to Statistics with Computer Applications**  
Syllabus

**Instructor:** Unjung Whang

**Time:** Tuesday and Thursday, 3:30 - 4:45 AM in HALE 230

**Office:** ECON 206

**Office Hours:** 2-3:00PM on Tuesday and 2-3:00PM on Wednesday or by appointment

**E-mail:** un.whang@colorado.edu

**Course Website:** CuLearn (<https://culearn.colorado.edu>)

**Textbook:**

- **Amemiya, T. (1994) Introduction to Statistics and Econometrics. Harvard University Press, Cambridge, MA. It is required to get this book.**
- Intro Stats, 3rd ed. by De Veaux, Velleman, and Bock. Published by Pearson, Addison-Wesley, 2009.

**Course Objectives**

Economics 3818 is a one-semester course in statistics, required of economics majors. We will study basic probability and probability distributions, especially the normal distribution; and descriptive and inferential statistics. Emphasis is on both theory and applications. The course will use Microsoft Excel to analyze data.

**Prerequisites**

Course prerequisites are Economics 1000, or 2010 and 2020; and either Economics 1078 and 1088 or equivalent math courses. These prerequisites are strictly enforced. If you are listed as not meeting the course prerequisites, you must show me that you have indeed met them.

**Grading**

Your course grade will be determined by adding the points you received the two mid-term examinations, the final, the homework, and the class participation. Your course grade will be calculated as follows:

Midterm 1	Midterm 2	Problem Sets	Final	Participation
20%	20%	20%	30%	10%

**Important Note:** Attendance will be taken daily and the participation will be based on your attendance. **If you miss 7 or more of the scheduled regular class meetings, you will automatically fail this course.** There are no exceptions to this rule, so you are totally responsible for all your missing classes.

**Examinations** All exams will take place in the regular class room on the dates listed below.

- Mid-term Examination 1: February 16
- Mid-term Examination 2: March 23
- Final Examination: May

You should consider these dates to be firm and put them in your schedule. If there is any change, it will be announced sufficiently in advance. There will be no make-up exam. Make-ups for any exam will be allowed under compelling circumstances. Any make-up exam will be taken prior to the actual exam date, so you are required to make prior arrangements before the exam date.

Each exam will be composed of multiple choice and short answer questions. You should bring your simple calculator to the exam. Exam questions will be based on material covered in lecture and the problem sets. I will distribute the mock exam before the test.

**Note that** if you have 3 or more final examinations on the same day, they can arrange to take the **Last Exam** scheduled that day at an alternate time. It is their responsibility to notify you no later than six weeks into the semester and they must provide proof that you are administering their 3rd, 4th, or 5th exam of the day.

**Homework:** Homework will be posted periodically on the CUlearn. There will be six problem sets but only the best five will be counted. The maximum score on each assignment will be 100 points. You could discuss homework questions with other students but you should turn it in with your own work. Due dates for each homework will be announced in advance and **no late assignment will be accepted**.

**Participation:** This will be based on your attendance and your participation during class.

### Grading Scale

Your Score	Grade	Your Score	Grade	Your Score	Grade
93-100%	A	80-82%	B-	67-69%	D+
90-92%	A-	77-79%	C+	63-66%	D
87-89%	B+	73-76%	C	60-62%	D-
83-86%	B	70-72%	C-	≤ 59%	F

**Miscellaneous: Hardware and Software:** Microsoft Excel will be used for data analysis. Although not required, there are many excellent Excel manuals available. Excel is supported in all of the campus computer labs, including the lab in the basement of the Economics building. In addition to using Excel, you will need a simple calculator for the exams.

### Important Dates:

First Mid-term Examination . . . . . February 16 in the regular classroom  
Second Mid-term Examination . . . . . March 23 in the regular classroom  
Final Examination . . . . . May in the regular classroom

**Other Information:**

**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 may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, and [www.Colorado.EDU/disabilityservices](http://www.Colorado.EDU/disabilityservices).

**Religious Observances** 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 due to a religious obligation, please see me at least one full week in advance so that alternate arrangements can be made. Policies regarding religious practice are available at [www.colorado.edu/policies/fac\\_relig.html](http://www.colorado.edu/policies/fac_relig.html).

**Classroom Behavior** 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. Policies regarding classroom behavior are available at [www.colorado.edu/policies/classbehavior.html](http://www.colorado.edu/policies/classbehavior.html) and at <http://www.colorado.edu/studentaffairs/judicialaffairs/code>.

**Discrimination and Harassment** 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>.

**Academic Misconduct** 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](mailto: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 [www.colorado.edu/policies/honor.html](http://www.colorado.edu/policies/honor.html) and at [www.colorado.edu/academics/honorcode](http://www.colorado.edu/academics/honorcode).