

ECON 3818-100
Introduction to Statistics with Computer Applications
Spring 2010

Instructor: Dan Hickman

Class Meetings: TR 9:30-10:45, CLRE 207

Email: daniel.hickman@colorado.edu

Office: Econ 313

Office Hours: TR 11-12:30, and by appointment

Course Websites: <https://webfiles.colorado.edu/hickmand>
This is my website where you will go to find general information and updates. I will post announcements, homework assignments, answers, practice exams, etc. on this site.

Teaching Assistant: Steven Smith
steven.m.smith-1@colorado.edu

Recitations: 111 4:00-4:50 W CHEM 133
112 3:00-3:50 M CHEM 133
113 5:00-5:50 M GUGG 2

*NOTE: Recitations do not start until the second week of class

Course Description:

This course is designed as an introduction to statistics and econometrics. For many of you, this may be your first course in statistics. As a result, one of the main goals of the course is to cover a broad range of concepts and techniques, as well as applications of these concepts. We will make use of Microsoft Excel at various points throughout the course; however, this class is primarily a statistics course, not a computer applications course.

Prerequisites:

Econ 1000 or 2010-2020 and Econ 1078-1088 or equivalent math courses. We will use some integration in this course, so you may want to review this topic. We will cover the basics of integration in lecture.

Textbook:

Intro Stats (3rd Edition) by De Veaux, Velleman, and Bock. This can be purchased from the bookstore. This book is listed as “required”, but it is probably more “highly recommended”. I will not require you to have the book in order to complete your homework assignments. If you have an earlier version of this book or another similar book, that will be sufficient.

Technical Requirements:

We will use Microsoft Excel, which is available in all campus computer labs, including the one in the basement of the Economics building. You may find a graphing calculator (such as TI-83 or 84) useful, but I am not going to require that you have one. You will want some form of calculator (NOT a cell phone) for the exams.

Grading:

The grades for the course will be based on the standard scale:

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

Your grade will come from the following breakdown:

Problem Sets - 10%

- These problem sets will be completed approximately once a week. Problem sets are due at the *beginning* of lecture for the due date listed. You may work in a group of up to 3 students and turn in one assignment. I will drop your lowest score among the assignments, so late and makeup assignments will not be accepted.

Recitation - 10%

- Your recitation score is determined by the teaching assistant. I reserve the right to curve these scores as necessary.

Midterm Exam 1 (Thursday February 11th) - 20%

Midterm Exam 2 (Tuesday March 16th) - 20%

Final Exam (Monday May 3rd, 1:30-4:00pm) – 40%

- This exam will be cumulative

*NOTE: I will provide you with a list of formulas for the exams. I will let you know before each exam which formulas will be provided.

Tentative Course Schedule: (Subject to Change)

Part	Topic	Weeks	Chapters
I	Understanding and Exploring Variables	1-2	1-6
II	Probability and Random Variables	3-5	14-17
-	Midterm Exam 1	Thursday 2/11	-
III	Sampling	6	11-13
IV	Inferential Statistics	7-10, 12	18-25
-	Midterm Exam 2	Tuesday 3/16	-
-	Spring Break	11	-
V	Relationships Between Variables, Regression	13-15	7-10, 26-27
-	Final Exam Review	16	-
-	Final Exam	Monday May 3rd 1:30-4:00 p.m.	-

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/>

Expectations of Classroom Behavior:

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to behavioral standards may be subject to discipline. Faculty have the professional responsibility to treat students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which students express opinions.

See policies at

<http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code

Absences:

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. Please notify me as soon as possible so that the proper arrangements can be made. Students can see full details at http://www.colorado.edu/policies/fac_relig.html

Disabilities Statement:

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 <http://www.Colorado.EDU/disabilityservices>.

Time extensions for exams must be approved by me prior to the exam. If you have not talked to me personally prior to the exam you will not be granted an extension.

Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. Other letters/requests you may receive from agencies such as the Wardenburg Student Health Center, or other health providers, such as physicians or counselors, are recommendations you may choose to follow to assist students but are not necessarily legal mandates. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>