

ECON 3818-100  
Introduction to Statistics with Computer Applications  
Spring 2009

**Instructor:** Dan Hickman

**Class Meetings:** MWF 1:00-1:50, CLRE 207

**Email:** [daniel.hickman@colorado.edu](mailto:daniel.hickman@colorado.edu)

**Office:** Econ 313

**Office Hours:** Wednesdays 11-1, Thursdays 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.

<http://www.coursecompass.com/>

Course ID: hickman54976

This is the website that accompanies the textbook we will use. You will go here to complete your homework assignments and to find study and review materials.

NOTE: enter Access codes in ALL CAPITAL LETTERS when registering for CourseCompass.

**Teaching Assistant:** Justin Bucciferro  
[justin.bucciferro@colorado.edu](mailto:justin.bucciferro@colorado.edu)

**Recitations:** 111 4:00-4:50 M CLUB 13  
112 9:00-9:50 M HUMN 1B45  
113 5:00-5:50 M CLRE 302

**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

**Textbook:**

Intro Stats (3<sup>rd</sup> Edition) by De Veaux, Velleman, and Bock. This can be purchased from the bookstore and will come with an access code for the course compass website. Alternatively, you can buy an “electronic version” of the book at a lower price (around \$65) and get access to the website as well.

**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 online approximately once a week. Depending on how many we have, I will drop your lowest 1 or 2 scores.

Recitation - 10%

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

Midterm Exam 1 (Friday February 13<sup>th</sup>) - 20%

Midterm Exam 2 (Wednesday March 18<sup>th</sup>) - 20%

Final Exam (Saturday May 2<sup>nd</sup> 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
-	<b>Midterm Exam 1</b>	<b>Friday 2/13</b>	-
III	Sampling	6	11-13
IV	Inferential Statistics	7-10, 12	18-25
-	<b>Midterm Exam 2</b>	<b>Wednesday 3/18</b>	-
-	<b>Spring Break</b>	<b>11</b>	-
V	Relationships Between Variables, Regression	13-15	7-10, 26-27
-	<b>Final Exam Review</b>	<b>16</b>	-
-	<b>Final Exam</b>	<b>Saturday May 2<sup>nd</sup> 1:30-4:00 p.m.</b>	-

#### 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](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](http://www.colorado.edu/policies/fac_relig.html)

**Disabilities Statement:**

If you qualify for accommodations because of