

University of Colorado at Boulder  
Department of Economics  
Econ 3818-020 - Introduction to Statistics with Computer Applications  
Instructor - Paulo Saraiva  
Spring 2012

Office: Econ 14

E-Mail: paulo.saraiva@colorado.edu

Class Meetings: MWF 1:00pm - 1:50pm, BESC 185

Office Hours: MW 11:30am - 1:00pm, or by appointment.

Recitation Sections:

Section	Location	Meetings
021	EDUC 132	T 3:30pm - 4:20pm
022	TBA	TH 8:00am - 8:50pm
023	MUEN E114	T 5:00pm - 5:50pm

There is no recitation during the first week of class.

**General:**

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 estimation and inferential statistics. This course will use R (if you do not wish to use R you may use Excel, however, Excel will not be covered in class).

**Evaluation:**

Evaluation	Points
Two Midterm Exams	25 points each (Feb 22nd and March 21st)
Final Exam	40 points (May 7th, 1:30pm - 4:00pm)
Problem Sets	10 points

Midterm dates are subject to change. I will substitute your lowest midterm grade by the average of your recitation and lowest midterm grade, provided

course. Lectures are sequential in this course, so missing class and not studying the missed material before the next lecture is a recipe for disaster. *I cannot over-emphasize how important classes are in order to obtain a passing grade.* Although attendance is not mandatory, you are responsible for any announcement or instructions given in class.

**Prerequisites:**

Econ 1000, or 2010 and 2020 and either Econ 1078 and 1088 or equivalent math courses. The latter prerequisites are strictly enforced, if you are listed as not meeting the course prerequisites, you must show me that you have the appropriate math equivalent.

*We will be using differentiation and integration.*

**Homework:** I will post 3 homework on CULearn. The due dates will be clear in the homework file when posted. I will also post on CULearn a pdf answer sheet for you to submit your homework answers. I do not accept homework that is not in the answer sheet format. For homework, I will grade only your answer, as the answer sheet suggests.

**Exams:** None of the exams are cumulative, not even the final. In the exams you must show the work for all non true or false questions. Answers, even if correct, without the appropriate "work" and calculations shown will be given zero points. This does not mean you have to show me how to add and multiply, what it means is that if the question requires you to make some mathematical steps, those steps should be shown in your answer. There may be questions on exams that requires a written explanation, therefore such explanations must be shown in order for you to get full credits in these questions. Some exams might have bonus questions. No one will obtain more than 100% in an exam. For the final, I will give you in class a list of atrocities. If you write any of these atrocities or anything resembling them, you will receive -1% for each time you write it. Iof stepsou in88in mn88ineg27(e,



Office hours: I will not give away answers to problem sets during office