

**Econ 3818 - 200  
Syllabus**

**Instructor:** Paulo Saraiva  
**Office:** Econ 14  
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**Class Meetings:** MWF 3:00pm - 3:50pm, DUAN G125  
**Office Hours:** TR 10:00am - 11:30am  
**Recitation Sections:**

Section	Location	Meetings
211	EDUC 138	T 8:00am - 8:50 am
212	HUMN 245	R 8:00am - 8:50am
213	CHEM 133	T 5:00pm - 5:50 pm

**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 Excel and **possibly** R.

**Evaluation:**

Evaluation	Points
Two Midterm Exams	25 points each
Final Exam	40 points (May 6th, 10:30am - 1:00pm)
Problem Sets	10 points

I will substitute your lowest midterm grade by your recitation grade, provided that this improves your final grade. Letter grade will be assigned as follows, according to overall course score:

<60	60-67	67-70	70-73	73-77	77-80	80-83	83-87	87-90	90-93	93+
F	D	D+	C-	C	C+	B-	B	B+	A-	A

Grades and problem sets are to be posted on CULearn.

**Attendance:**

Attendance is not mandatory, however, it is highly recommended. I will not follow the textbook as closely as in some other courses, therefore it is important to come to class and participate in order to get a good grade in this 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.

**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.

**Optional textbooks:**

- Amemiya, T., 1994, Introduction to Statistics and Econometrics, Harvard University Press.
- De Veaux, R., Valleman, P. and Bock, D., 2008, Intro Stats, Addison Wesley.

**Course outline:**

- Probability and random variables (about 1/3 of the course)
- Estimation and Inference (about 2/3 of the course)

**Miscellaneous:**

- **Hardware and Software:** Microsoft Excel (and possibly) will be used for some data analysis. Although not required, there are many excellent Excel manuals available (and R as well). Excel is supported in all of the campus computer labs, including the lab in the basement of the Economics building. R is an open source program which can be downloaded in <http://cran.r-project.org/>. In addition to this you will need a calculator for the exams.
- **Special accommodations:**  
Refer to <http://www.colorado.edu/disabilityservices>.
- **E-Mail Policy:** I will not answer questions about statistics via email. Those emails with questions about statistics will be ignored. If you should have any questions, please come to office hours or ask during class as the material is being presented.
- **Participation:** Participation is highly recommended. No question shall be labeled “stupid” and I will not tolerate disrespect to one’s question, answer or observation.
- **Office hours:** I will not give away answers to problem sets during office hours. During office hours I will answer specific questions about the material. However, if the question is of the type, “How do I answer this question of the problem set”, and you have not yet handed in the problem set, I will not answer it.

- **Make up work:** There is no make up exams.
- **Late work:** Work handed in late will have 10% taken away from it. After that, 10% will be marked off for each day the work have not been handed in.

Enjoy!