

### Instructor

Maria Teresa Cândido, Ph.D.  
Spring 2007  
Class Meets: TTh 3:30 - 4:50 pm  
York Hall room 2622

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### Teaching Assistants

Tom Daula      [tdaula@ucsd.edu](mailto:tdaula@ucsd.edu)  
Lab Sections:    Mon 4:00-4:50 pm, Tue 10:00-10:50 am (Economics Bldg room100)

Aislinn Bohren    [abohren@ucsd.edu](mailto:abohren@ucsd.edu)  
Lab Sections:    Wed 9:00-9:50 am, Thu 1:00-1:50 pm (Economics Bldg room100)

## **Economics 120A**

### **Econometrics A**

### **Course Description**

As the first of the econometrics sequence, this course introduces the science of statistics. It is designed to provide the building blocks necessary to construct rigorous econometric analysis. These building blocks include basic statistics, probability rules, and the formal methods used by statistician to learn about the real world from the data.

### **Course Materials**

Required Textbook: “Introductory Statistics for Business and Economics” by T.H. Wonnacott and R.J. Wonnacott, Fourth or Fifth Edition, John Wiley and Sons: New York.

Chapters on Textbook: 1, 2, 3, 4, 5, 6, 7, 8, and 9.

There is also a custom version of the book, made specially to UCSD students. This book is exactly the same as the non-custom version, only less expensive.

### **My Expectations**

1. Regular Class Attendance – You should come to every class (lecture and lab sessions). If you should miss a class, it is your responsibility to get notes or any possible handout or problem assignment. The lab sessions are important, and you should attend them. In those sessions, you will be able to ask the TA any question about material covered in lecture, as well as go over practice problems. These sections will also be useful to make you familiar with the statistical software required in the course.
2. Come to class prepared – You should always review your notes from the last lecture.
3. Do your homework – Remember, homework is assigned to assist you in studying. Even when homework is not to be turned in and graded, you should do any assigned problems.

## Grading

Your grade will be based on:

Homework Assignments

Midterm Exams

Final Exam

The midterm exams are scheduled to **Thursday, April 26<sup>th</sup>**, and **Tuesday, May 22<sup>nd</sup>**, at lecture time. The final exam will take place on **Thursday, June 14<sup>th</sup>** from 3:00 pm to 6:00 pm and will be cumulative. We will calculate for each student one point total that puts a weight of 10% on homework assignments, 25% on first midterm exam, 25% on second midterm exam, and 40% on final. We will then calculate a second point total that puts a weight of 10% on homework assignments, 25% on the best of the two midterm exams and 65% on the final. Student's grade will be based on the higher of the two numbers.

There are no make-up exams—a missed midterm exam automatically commits a student to the second option. The questions asked on exams will be based on textbook reading, lectures and assigned homework problems or practice problem sets.

There will be two to three graded homework assignments. An average of the scores on the homework assignments will be computed and that will be your homework score, worth 10% of your course grade.

## Course Web Page

A course webpage is available at <http://webct6web.ucsd.edu>. It includes information relevant to the course, such as problem sets, announcements, solutions to problem sets and exams, syllabus, grades and more.

**Please check this page regularly.**

## Tentative Schedule (exams dates will not change)

Week	Days	Topic	Textbook Chapter
Week 1:	Tue Apr 3 <sup>rd</sup>	Class Introduction; Introduction to Statistics Descriptive Statistics	1
	Thu Apr 5 <sup>th</sup>		2
Week 2:	Tue Apr 10 <sup>th</sup>	Descriptive Statistics Basic Probability	2
	Thu Apr 12 <sup>th</sup>		3
Week 3:	Tue Apr 17 <sup>th</sup>	Basic Probability	3
	Thu Apr 19 <sup>th</sup>		
Week 4:	Tue Apr 24 <sup>th</sup>	Probability Distributions	4
	<b>Thu Apr 26<sup>th</sup></b>	<b>First Midterm Examination</b>	1-3, part of 4
Week 5:	Tue May 1 <sup>st</sup>	Probability Distributions	4
	Thu May 3 <sup>rd</sup>	Two Random Variables	5
Week 6	Tue May 8 <sup>th</sup>	Two Random Variables; Sampling Sampling, Central Limit Theorem	5,6
	Thu May 10 <sup>th</sup>		6
Week 7	Tue May 15 <sup>th</sup>	Point Estimation; Law of Large Numbers	7
	Thu May 17 <sup>th</sup>		
Week 8	<b>Tue May 22<sup>nd</sup></b>	<b>Second Midterm Examination</b>	4-7
	Thu May 24 <sup>th</sup>	Confidence Intervals	8
Week 9	Tue May 29 <sup>th</sup>	Confidence Intervals	8
	Thu May 31 <sup>st</sup>	Hypothesis Testing	9
Week 10	Tue Jun 5 <sup>th</sup>	Hypothesis Testing	9
	Thu Jun 7 <sup>th</sup>		
Week 11	<b>Wed Jun 14<sup>th</sup></b> <b>3:00 pm - 6:00 pm</b>	<b>Final Exam</b>	1-9