Instructor Maria Teresa Cândido, Ph.D. Fall 2006 **Class Meets: TTh 12:30 - 1:50 pm Centre Hall room 101** 

Office: 110A Economics Office Phone #: 534-2518 Office Hours: Tue 10:30 am – 12pm, Thu 9-10am, 11am-12pm Email: mcandido@econ.ucsd.edu

Teaching AssistantsBenjamin Fissel<a href="bitssel@ucsd.edu">bfissel@ucsd.edu</a>Lab Sections:Wed 8:00-8:50 am, Fri 11:00-11:50 am (Economics Bldg room100)

Aren Megerdichianamegerdi@ucsd.eduLab Sections:Mon 4:00-4:50 pm, Tue 3:00-3:50 pm (Economics Bldg room100)

Lei Menglemeng@ucsd.eduLab Sections:Mon 9:00-9:50 am, Wed 1:00-1:50 pm, Thu 4:00-4:50 pm (Economics Bldg room100)

Seth Pruittsipruitt@ucsd.eduLab Sections:Tue 10:00-10:50 am, Thu 9:00 - 9:50 am, Fri 2:00-2:50 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**

<u>Required Textbook</u>: "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 <u>every</u> class (lecture and discussion sessions). If you should miss a class, it is your responsibility to get notes or any possible handout or problem assignment.
- 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, you should do any assigned problems by the deadline recommended.

## Grading

Your grade will be based on: Homework Assignments Midterm Exams Final Exam

The midterm exams are scheduled to **Tuesday**, **October 17<sup>th</sup>**, and **Thursday**, **November 9<sup>th</sup>**, at lecture time. The final exam will take place on **Wednesday**, **December 6<sup>th</sup>** from 11:30am to 2:30 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 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.

### **Course Web Page**

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

Week	Days	Торіс	Textbook Chapter
Week 0:	Thu Sept 21 <sup>st</sup>	Class Introduction Introduction to Statistics	1
Week 1:	Tue Sept 26 <sup>th</sup> Thu Sept 28 <sup>th</sup>	Descriptive Statistics: Mean, Median, Range, Variance, etc	2
Week 2:	Tue Oct 3 <sup>rd</sup> Thu Oct 5 <sup>th</sup>	Basic Probability	3
Week 3:	Tue Oct 10 <sup>th</sup> Thu Oct 12 <sup>th</sup>	Basic Probability Probability Distributions	3 4
Week 4:	<b>Tue Oct 17<sup>th</sup></b> Thu Oct 19 <sup>th</sup>	First Midterm Examination Probability Distributions	1-3, part of 4 4
Week 5	Tue Oct 24 <sup>th</sup> Thu Oct 26 <sup>th</sup>	Two Random Variables Two Random Variables; Sampling	5 5,6
Week 6	Tue Oct 31 <sup>st</sup> Thu Nov 2 <sup>nd</sup>	Sampling, Central Limit Theorem Point Estimation	6 7
Week 7	Tue Nov 7 <sup>th</sup> Thu Nov 9 <sup>th</sup>	Point Estimation; Law of Large Numbers Second Midterm Examination	7 4-6, part of 7
Week 8	Tue Nov 14 <sup>th</sup> Thu Nov 16 <sup>th</sup>	Confidence Intervals	8
Week 9	Tue Nov 21 <sup>st</sup> Thu Nov 23 <sup>rd</sup>	Hypothesis Testing No Scheduled Class	9
Week 10	Tue Nov 28 <sup>th</sup> Thu Nov 30 <sup>th</sup>	Hypothesis Testing	9
Week 11	Wed Dec 6 <sup>th</sup> 11:30 am -2:30 pm	Final Exam	1-9

#### Tentative Schedule (exams dates will not change)