University of Texas at Austin
Department of Economics
Summer 2010

Course: **Economics 329: ECONOMIC STATISTICS**

Professor: **Vera Ioudina**

Time and Classroom: **Monday -Friday, 1:00 – 2:30 UTC 3.110**

e-mail: _____

Office: **BRB 3.156**

Office hours: **Monday 11:00 – 12:30, Tuesday – Friday 11:30 – 12:30**

Teaching Assistants: **Yaroslav Rosokha** Office: BRB 3.120 e-mail: yrosokha@mail.utexas.edu
Office Hours: Monday 10:00 – 12:00, Wednesday 3:00 – 5:00, Review: Friday 3:00 – 4.30

Course Objective: Economics 329 is an introduction to Economic Statistics. The goal of the course is to familiarize students with methods of statistical analysis and interpretation of quantitative data in the field of Economics. This course teaches students a set of problem-solving skills that are widely used in analysis of economic data. Our study will cover the elements of the Theory of Probability and the general concepts of Descriptive Statistics and Inferential Statistics. A number of economic, political and business applications will be used to illustrate the methods.

Prerequisite: Economics 304K/L and Mathematics 408C/D, or Mathematics 408K/L.

Required Textbook: **Statistics for Business and Economics by P. Newbold, W. Carlson and B. Thorne, Prentice Hall, 7th Edition, 2010**
ISBN 10: 0–13–608536–9

Web site: http://courses.utexas.edu
Blackboard will be used as the course management system. All class announcements, homework solutions and additional studying materials will be posted on the website.

Attendance: The summer session is very brief and intensive. Students are expected to attend each scheduled class meeting. Being in class on time and fully participating is important for your understanding of the material and therefore for your success in the course.

Homework: A number of homework problems will be assigned weekly from the textbook. It is the most important part of the student's self-preparation during the semester. The objective is to help the students develop a more in-depth understanding of the material covered in the lecture. Your homework will not be collected or graded. All solutions will be posted on Blackboard on Friday; you will be able to use them in your exam preparation during the weekend.

Exams Five 40 minutes weekly exams will be given during the summer session. The exam's schedule is shown below.
You cannot use your notes or textbook on the exam. You are encouraged to prepare and use your own formula chart that contains all the formulas you need (1 page, both sides). This page does not include any verbal descriptions or numerical calculations. It must be turned in with the exam.
There is no make up for missed exams. If you are sick and not able to take the exam, you need an official letter from your doctor. I will re-weight the other exams if an exam is missed for a valid reason.
All exam grading issues must be discussed **with me** within one week after this test. After the final exam no questions regarding the exams will be looked at. At the end of the course, the lowest exam grade will be dropped.

Final Exam: Final Exam is not comprehensive.
The date and time of the Final is **Friday, July 9th, 7:00 pm – 8:30 pm.**
The final exam date cannot be changed. No make-up exams will be given.

Calculator: You need any scientific or graphing calculator. Please bring it to every class session.

Grading Policy: Your course grade will be based on five weekly exams (75%) and a final exam (25%).

Grading scale:

A -	90 – 94**%**	**A**	95 –100%		
B -	80 – 83%	**B**	84 – 87%	**B +**	88 – 89%
C -	70 – 73%	**C**	74 – 77%	**C +**	78 – 79%
D -	60 – 63%	**D**	64 – 67%	**D +**	68 – 69%
F	0 – 59 %				

Tentative Schedule:

Week	Date	Chapters	Topics	Exam's schedule
1	06.03– 06.04	1, 2	Describing Data: Graphs and Numerical Summaries	
2	06.07 – 06.11	2, 3	Probability	Exam 1: Tuesday, June 8
3	06.14 – 06.18	4	Random Variables. Discrete RV and Distributions	Exam 2: Monday, June 14
4	06.21 – 06.25	5, 6	Continuous RV and Distributions. Sampling Distribution.	Exam 3: Monday, June 21
5	06.28 – 07.02	7, 9	Confidence Interval and Hypothesis Testing (One Sample)	Exam 4: Monday June 28
6	07.05 – 07.09	8, 10	Confidence Interval and Hypothesis Testing (Two Samples)	Exam 5: Monday July 5 Final Exam: Friday July 9, 7pm

Homework problems, assigned from the textbook:

Week 1

Chapter 1: # 1.1, 1.2, 1.11, 1.12, 1.16, 1.20, 1.32 (a,b,c), 1.34, 1.35, 1.37 (a,b,c), 1.59, 1.63

Chapter 2: # 2.3, 2.4, 2.7, 2.12, 2.15, 2.16, 2.17, 2.19, 2.20, 2.23, 2.26, 2.27, 2.30, 2.37

Week 2

Chapter 3: # 3.1, 3.2, 3.5, 3.6, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.17, 3.20, 3.22, 3.24, 3.28, 3.30, 3.35, 3.40, 3.42, 3.44, 3.48, 3.66, 3.82, 3.85, 3.92, 3.94, 3.100, 3.104, 3.105, 3.115

Week 3

Chapter 4: # 4.13, 4.14, 4.16, 4.20, 4.23, 4.26, 4.30, 4.32, 4.34, 4.36, 4.40, 4.44, 4.50, 4.56, 4.60, 4.64, 4.70, 4.74, 4.82, 4.84

Week 4

Chapter 5: # 5.2, 5.6, 5.8, 5.10, 5.16, 5.17, 5.18, 5.20, 5.22, 5.24, 5.28, 5.40, 5.44, 5.52, 5.56, 5.60, 5.67, 5.68, 5.84, 5.98

Chapter 6: # 6.6, 6.10, 6.14, 6.16, 6.20, 6.26, 6.30, 6.32

Week 5

Chapter 7: # 7.2, 7.9, 7.10, 7.13, 7.16, 7.17, 7.18, 7.27, 7.28, 7.34, 7.36, 7.44, 7.46, 7.51, 7.52, 7.56

Chapter 9: # 9.6, 9.7, 9.10, 9.13, 9.14, 9.18, 9.20, 9.24, 9.28, 9.30, 9.32, 9.34, 9.38 (a,b), 9.40

Week 6

Chapter 8: # 8.1, 8.2, 8.6, 8.7, 8.12, 8.19, 8.20, 8.26, 8.32

Chapter 10: # 10.3, 10.6 (a,b), 10.8, 10.12, 10.14 (a,b), 10.16, 10.18

Special Needs: Appropriate academic accommodations will be given by request from Services for Students with Disabilities: http://www.utexas.edu/diversity/ddce/ssd/

Important: It is your responsibility to pick up and keep all your graded exams. Please, keep them in an assigned folder until you pass the course.