

Department of Economics
Hacettepe University
ECO240 Statistics II
Spring 2010

Course Information

Instructors	Dr. Shihomi Ara-Aksoy (Until April 12)	Doç Dr. İbrahim Özkan (From April 26)
Office Phones	297 86 50 ext 122	297 86 50 ext 141
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Time/Place: Mondays 9:00 – 11:45 @ D 9

Office Hours: Mondays, Tuesdays 13:00 – 14:00 [with Ara-Aksoy]

Course Website: www.shihomiaksoy.org ; <http://yunus.hacettepe.edu.tr/~sara>

Course Description/Objectives

The purpose of this course is to introduce the important concepts of statistics, such as sampling, estimation, hypothesis testing, regression analysis, and to introduce the foundations of time series analysis and decision theory. Students are expected to learn the methods of inferential statistics, the logics of hypothesis testing and regression analysis, and the bases of time series analysis and decision theory. The topics covered in this class will be the important building blocks especially for the econometrics courses and the elective courses such as time series analysis and decision theory that students will take in the third and the fourth year. Make sure to understand each concept clearly.

Course Requirements

Midterm Exam I	25%
Midterm Exam II	25%
Final Exam	50 %

Textbook

Paul Newbold, William Carlson and Betty Thorne, *Statistics for Business and Economics*, Seventh edition, Pearson Education, 2009. (If you have 6th edition, you do not have to buy 7th edition.)

Make-up Exam

No makeup exam will be given unless a legally acceptable document (such as medical report) is submitted. Validity of such document will be examined.

Grading

Final grade will be given entirely based on your scores under a fair and single grading policy. None of students' "special situations/needs" (e.g. scholarship, graduation, financial condition, family situation etc.) will affect the grade. If you need a certain grade, work hard.

Academic Misconduct

Please read the relevant material at <http://www.plagiarism.org/>. Detected plagiarism throughout the coursework will cause the student to be punished according to the University rules. The students are expected to know what plagiarism is and lack of knowledge is not an acceptable excuse.

Disabilities

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the instructor privately to discuss your specific need.

Course Schedule

Class	Date	Topic	Readings
1	Feb.15	<i>Sampling and Sampling Distribution</i>	Ch. 6
2	Feb.22	<i>Sampling and Sampling Distribution</i>	Ch. 6
3	Mar.1	<i>Confidence Interval Estimation: One Population (1)</i>	Ch. 7
4	Mar.8	<i>Confidence Interval Estimation: One Population (2)</i>	Ch. 7
5	Mar.15	<i>Confidence Interval Estimation: One Population (3) Hypothesis Test of a Single Population (1)</i>	Ch. 7, 9
Week 5 (TBA)		<i>Midterm Exam I</i>	
6	Mar.22	<i>Hypothesis Tests of a Single Population (2)</i>	Ch. 9
7	Mar.29	<i>Hypothesis Tests of a Single Population (3)</i>	Ch. 9
8	Apr.5	<i>Two Variable Regression Analysis (1)</i>	Ch. 11
9	Apr. 12	<i>Two Variable Regression Analysis (2)</i>	Ch. 11
10	Apr. 19	<i>Midterm Exam II</i>	
11	Apr. 26	<i>Forecasting with Time-Series Models (1)</i>	Ch. 16
12	May 3	<i>Forecasting with Time-Series Models (2)</i>	Ch. 16
13	May 10	<i>Introduction to Decision Theory (1)</i>	Ch. 18
14	May 17	<i>Introduction to Decision Theory (2)</i>	Ch. 18
	TBA	Final Exam	

