

Department of Economics  
Hacettepe University  
**ECO240 Statistics II**  
*Spring 2011*  
**Course Information**

<b>Instructor:</b>	Dr. Shihomi Ara-Aksoy
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<b>Email:</b>	sara@hacettepe.edu.tr
<b>Time/Place:</b>	<b>Wednesdays 9:00 – 11:45 @ D9</b>
<b>Office Hours:</b>	By appointment
<b>Course Website:</b>	<a href="http://www.shihomiaksoy.org">www.shihomiaksoy.org</a> , <a href="http://yunus.hacettepe.edu.tr/~sara">http://yunus.hacettepe.edu.tr/~sara</a>

### **Course Description/Objectives**

The purpose of this course is to introduce important concepts of statistics, such as sampling, estimation, hypothesis testing and regression analysis. An introduction of analysis of variance (ANOVA) and time-series analysis will also be discussed. Students are expected to learn the methods of inferential statistics, the logics of hypothesis testing and regression analysis. The topics covered in this class will be important building blocks especially for the econometrics classes students will take in the third year. Make sure to understand each concept clearly.

### **Course Requirements**

<b>1. Two Midterm Exams</b>	<b>30% each</b>
<b>2. Final Exam</b>	<b>40%</b>

### **Class Participation**

Although the attendance will not be taken, attend the class regularly. Bring a **calculator** to every class for your own benefit.

### **Textbook**

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

### **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.

## 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.

## Course Schedule

Week	Date	Topic	Readings
Week 1	Feb.23	<i>Introduction</i>	
Week 2	Mar.2	<i>Distributions of Sample Statistics</i>	Ch.6
Week 3	Mar.9	<i>Confidence Interval Estimation: One Population (1)</i>	Ch.7
Week 4	Mar.16	<i>Confidence Interval Estimation: One Population (2)</i>	Ch.7
Week 5	Mar.23	<i>Hypothesis Tests of a Single Population (1)</i>	Ch.9
Week 6	Mar.30	<i>Hypothesis Tests of a Single Population (2)</i>	Ch.9
	TBA	<b>Midterm Exam I (During Week 6)</b>	
Week 7	Apr.6	<i>Hypothesis Tests of a Single Population (3)</i>	Ch.9
Week 8	Apr.13	<b>No Class (Midterm Week)</b>	
Week 9	Apr.20	<i>Two Variable Regression Analysis (1)</i>	Ch.11
Week 10	Apr.27	<i>Two Variable Regression Analysis (2)</i>	Ch.11
		<b>Midterm Exam II (During Week 10)</b>	
Week 11	May 4	<i>Comparison of Subpopulation Means (1)</i>	Ch.15
Week 12	May 11	<i>Comparison of Subpopulation Means (2)</i>	Ch.15
Week 13	May 18	<i>Forecasting with Time-Series Models</i>	Ch.16
Week 14	May 25	<i>Forecasting with Time-Series Models</i>	Ch.16
<b>Final Exam</b>	To be announced		