

Department of Economics  
Hacettepe University  
**ECO239 Statistics I**  
*Winter 2010*

**Course Information**

**Instructor:** Dr. Shihomi Ara-Aksoy  
**Office:** Department of Economics  
**Office Phone:** 297 86 50 / ext 122  
**Email:** sara@hacettepe.edu.tr

**Time/Place:** **Wednesday, 9:00-11:45, D9**

**Office Hours:** By appointment

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

**Course Description/Objectives**

The purpose of this course is to introduce basic concepts of statistics. Methods of describing data, probability, discrete and continuous random variables and their probability distributions will be discussed. Students are expected to learn the tools for describing and analyzing given data and to be acquainted with probability theory and probability distributions. The topics covered in this course will be a foundation for the courses such as Statistics II and Econometrics. Therefore, make sure to understand each concept clearly.

**Course Requirements**

<b>1</b>	<b>Two Midterm Exam (30% each)</b>
<b>2</b>	<b>Final Exam (40%)</b>

**Class Participation/Announcement**

- Although the attendance will not be taken, attend the class regularly.
- Bring a calculator to each class.
- In the end of each class, I will assign “Homework” from the exercises questions of the textbook. You are NOT required to hand them in. However, you are responsible for going over each question. Consider them as the practice questions for the exams.

**Textbook**

Paul Newbold, William Carlson and Betty Thorne, *Statistics for Business and Economics*, Seventh edition, Pearson Education, 2010.

**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.

### 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 me privately to discuss your specific need.

### Course Schedule

Week	Date	Topic	Readings
Week 1	Oct. 6	<i>Why Study Statistics?</i>	
Week 2	Oct. 13	<i>Using Graphs to Describe Data</i>	Ch. 1
Week 3	Oct. 20	<i>Using Numerical Measures to Describe Data (1)</i>	Ch. 2
Week 4	Oct. 27	<i>Using Numerical Measures to Describe Data (2)</i>	Ch. 2
Week 5	Nov. 3	<i>Elements of Chance: Probability Methods (1)</i>	Ch. 3
Week 6	Nov.10	<i>Elements of Chance: Probability Methods (2)</i>	Ch. 3
Week 7	Nov. 17	<b>No Class</b>	
Week 8	TBA	<b>1<sup>st</sup> Midterm Exam</b>	
Week 9	Dec. 1	<i>Discrete Probability Distributions (1)</i>	Ch. 4
Week 10	Dec. 8	<i>Discrete Probability Distributions (2)</i>	Ch. 4
Week 11	Dec. 15	<i>Discrete Probability Distributions (3)</i>	Ch. 4
Week 12	Dec. 22	<i>Continuous Probability Distributions (1)</i>	Ch. 5
	TBA	<b>2<sup>nd</sup> Midterm Exam</b>	
Week 13	Dec. 29	<i>Continuous Probability Distributions (2)</i>	Ch. 5
Week 14	Jan.5	<i>Continuous Probability Distributions (3)</i>	Ch. 5
Week 15	Jan.12	<i>Continuous Probability Distributions (4)</i>	Ch. 5
	TBA	<b>Final Exam</b>	