University of Hawaii | Spring 2009
Department of Economics | Sally Kwak

Economics 321
Statistics

This course is an introduction to statistics for economics majors. Students will learn basic concepts in probability and statistics and learn to apply these concepts to data analysis. We will cover topics such as designing experiments, calculating basic summary variables, elementary regression analysis and hypothesis testing.

Course Website
http://sites.google.com/site/kwakecon321/

Email and Office Hours
Mondays and Fridays 1-2pm, 531 Saunders Hall
Email: kwaks (at) hawaii (dot) edu

TA: Katie Tangtipongkul
Wednesdays 10:30am-12:30pm and by appointment, 525 Saunders Hall
Email: tangtipo (at) hawaii (dot) edu

Course Materials
Required textbook: Mario F. Triola, *Essentials of Statistics*, 3rd Edition, 2007.

Requirements and Grades
Final class grades will be based on the following:

Quizzes	20%
Problem Sets	20%
Two Midterms	40%
Final Exam	20%

Weekly problem sets will be assigned each Friday to be turned in the following Friday.
There are no makeup quizzes. Students are strongly encouraged to attend lectures.

Midterm exams will be held on Friday February 13, 2009 and Friday March 20, 2009.
The final exam will be held 9:45-11:45am Friday May 15, 2009.

There are NO MAKEUP EXAMS so it is essential that you be able to attend these dates. If you require any disability-related special accommodations for exams, please speak to me the first week of class so that we can make appropriate arrangements.

Lecture Schedule and Readings

Week 1
1/12 (M) **Course Overview**
Triola, Ch 1
1/14 (W) **Intro to Statistics**
Triola, Ch 1
1/16 (F) **Summarizing/Graphing Data**
Triola, Ch 2

Week 2
1/19 (M) **Holiday**
No class
1/21 (W) **Summarizing/Graphing Data**
Triola, Ch 2
1/23 (F) **Descriptive Statistics**
Triola, Ch 3

Week 3
1/26 (M) **Descriptive Statistics**
Triola, Ch 3
1/28 (W) **Descriptive Statistics**
Triola, Ch 3
1/30 (F) **Discussion Section**

Week 4
2/2 (M) **Discrete Probability**
Triola, Ch 5
2/4 (W) **Discrete Probability**
Triola, Ch 5
2/6 (F) **Normal Probability**
Triola, Ch 6

Week 5
2/9 (M) **Normal Probability**
Triola, Ch 6
2/11 (W) **Normal Probability**
Triola, Ch 6
2/13 (F) **MIDTERM**

Week 6
2/16 (M) **Holiday**
No class
2/18 (W) **Estimates and Sample Sizes**
Triola, Ch 7
2/20 (F) **Estimates and Sample Sizes**
Triola, Ch 7

Week 7
2/23 (M) **Estimates and Sample Sizes**
Triola, Ch 7
2/25 (W) **Estimates and Sample Sizes**
Triola, Ch 7
2/27 (F) **Discussion Section**

Week 8
3/2 (M) **Hypothesis Testing**
Triola, Ch 8
3/4 (W) **Hypothesis Testing**
Triola, Ch 8
3/6 (F) **Hypothesis Testing**
Triola, Ch 8

Week 9
3/9 (M) **Hypothesis Testing**
Triola, Ch 8
3/11 (W) **Hypothesis Testing**
Triola, Ch 8
3/13 (F) **Discussion Section**

Week 10
3/16 (M) **Inference from Two Samples**
Triola, Ch 9
3/18 (W) **Inference from Two Samples**
Triola, Ch 9
3/20 (F) **MIDTERM**

SPRING BREAK

Week 11

3/30 (M) **Inference from Two Samples**
Triola, Ch 9

4/1 (W) **Inference from Two Samples**
Triola, Ch 9

4/3 (F) **Discussion Section**

Week 12

4/6 (M) **Correlation and Regression**
Triola, Ch 10

4/8 (W) **Correlation and Regression**
Triola, Ch 10

4/10 (F) **HOLIDAY**

Week 13

4/13 (M) **Correlation and Regression**
Triola, Ch 10

4/15 (W) **Correlation and Regression**
Triola, Ch 10

4/17 (F) **Discussion Section**

Week 14

4/20 (M) **Analysis of Variance**
Triola, Ch 11

4/22 (W) **Analysis of Variance**
Triola, Ch 11

4/24 (F) **Analysis of Variance**
Triola, Ch 11

Week 15

4/27 (M) **Analysis of Variance**
Triola, Ch 11

4/29 (W) **Analysis of Variance**
Triola, Ch 11

5/1 (F) **Discussion Section**

Week 16

5/4 (M) **Last Lecture-- Review**