Statistics (ETP)

Spring (2nd) Semester, 2011

1. COURSE STAFF

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2. TEXT BOOK

Douglas A. Lind, William G. Marchal, and Samuel A. Wathen. (2010)
Statistical Techniques in Business and Economics – 14th edition

3. COURSE OBJECTIVES

The course aims to encourage statistical thinking and to provide students in all fields of business with an introductory survey of the many applications of descriptive and inferential statistics. It is designed to equip students with the statistical skills to make effective interpretations, judgments, and decision in the business workplace.

4. TEACHING STRATEGIES

This course is conducted over 18 weeks, 16 lecture weeks and 2 exam weeks. Each week consists of three hours lecture sessions and an hour and half recitation sessions. The recitation sessions start whenever the location is finalized, usually in the 3rd week.

The lecture sessions focus on explaining the context of the text book and the recitation sessions focus on working on exercises which relate to the material covered in the week.

Microsoft Excel and MINITAB will be used to perform statistical calculations. The illustration of the commands necessary to achieve the software results will be scheduled during recitation sessions.

The recitation will require your participation.

9. WEEKLY COURSE SCHEDULE (Tentative)

Week	Date	Chapter	Topics
1	2/22	11	Two-sample tests of hypothesis
2	3/1	11	Two-sample tests of hypothesis
3	3/8	11,12	Two-sample tests of hypothesis Analysis of variance
4	3/15	12	Analysis of variance **Quiz 1 (3/17)**
5	3/22	12	Analysis of variance
6	3/29	12,13	Analysis of variance Linear regression and correlation
7	4/5	13	Linear regression and correlation **Quiz 2 (4/7)**
8	4/12	13	Linear regression and correlation
9	4/19		**Midterm Examination (10:10 am – 12:00)**
10	4/26	14	Multiple regressions and correlation analysis
11	5/3	14	Multiple regressions and correlation analysis
12	5/10	15	Index numbers
13	5/17	16	Time series and forecasting
14	5/24	16,17	Time series and forecasting Nonparametric methods: Chi-square applications **Quiz 3 (5/26)**
15	5/31	17	Nonparametric methods: Chi-square applications
16	6/7	18	Nonparametric methods: analysis of ranked data
17	6/14	18	Nonparametric methods: analysis of ranked data
18	6/21		**Final Examination (10:00 am – 12:00)**

10. HOMEWORK

Homework will be discussed during recitation but will not be collected and graded.

Chapter	Assignments
11	2, 4, 5, 6, 10, 11, 12, 16, 17, 18, 20, 21, 22.
12	4, 6, 8, 10, 12, 14, 16, 18.
13	4, 6, 8, 10, 12, 14, 16, 20, 22, 26, 28, 29, 30, 31, 32, 34.
14	2, 3, 4, 6, 8.
15	2, 4, 6, 8, 10, 12, 14, 16.
16	2, 4, 6, 8, 10, 12, 14.
17	6, 8, 10, 12, 14, 16.
18	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 26, 28.