Prince Sultan University
Department of Mathematical Sciences
SYLLABUS
Dr. Bahaa Eldin Abdalla
First Semester 2013 – 2014 (131)

Course	:	STAT 271
Title	:	Statistical Analysis
Textbook	:	Elementary Statistics (A Step by Step Approach); Allan G. Bluman; 8th Edition.

Week	Date	Sec.	Material
1	Sept. 01 – 05	Ch.6 7.1	Review of The Normal Distribution Confidence Intervals for μ When σ Is Known and Sample Size
2	Sept. 08 – 12	7.2 7.3	Confidence Intervals for the Mean When σ Is Unknown Confidence Intervals and Sample Size for Proportions
3	Sept. 15 – 19	7.4 8.1	Confidence Intervals for Variances and Standard Deviations Steps in Hypothesis Testing-Traditional Method
4	Sept. 22 – 26	8.2 8.3	z Test for a Mean t Test for a Mean
5	Sept. 29–Octo. 03 **October 03**	8.4	z Test for a Proportion **First Major Examination (7.1 – 8.4)**
6	Octo. 06 – 10	8.5 9.1	χ^2 Test for a Variance or Standard Deviation Testing the Difference Between Two Means: Using the z Test
	Eid Al-Adha Vacation (October 11 -- 20)		
7	Octo. 21 – 24	9.2 9.3	Testing the Difference Between Means of Independent samples: Using the t Test Testing the Difference Between Two Means: Dependent samples
8	Octo. 27 – 31	9.4	Testing the Difference Between Proportions
9	Nov. 03 – 07 **November 07**	9.5	Testing the Difference Between Two Variances **Second Major Examination (8.5 – 9.5)**
10	Nov. 10 – 14	10.1 10.2	Scatter Plots and Correlation Regression
11	Nov. 17 – 21	10.3	Coefficient of Determination and Standard Error of the Estimate
12	Nov. 24 – 28	11.1 11.2	Test for Goodness of Fit Tests Using Contingency Tables
13	Dece. 01 – 05 **December 05**	12.1	One-Way Analysis of Variance **Third Major Examination (10.1 – 12.1)**
14	Dece. 08 – 12	12.2 13.3	The Scheffe Test and the Tukey Test The Wilcoxon Rank Sum Test
15	Dece. 15 – 19	13.5	The Kruskal-Wallis Test
16	Dece. 22 – 23		Review

***Grading Policy*: Exam 1: 10%, Exam 2: 10 %, Exam 3: 10 %, Quizzes: 10%, Attendence: 10%, Participation:10%, Final: 40%**

Best Wishes