

Important Notes:

- ✓ Please bring your book to every class, as well as a calculator with statistical functions.
- ✓ Excessive unexcused absences will result in a grade of **DN** in accordance with University rules.
- ✓ **Attendance** on time is **very** important.

Home Work:

- ✓ To successfully learn statistics, students need to solve problems and analyze data. The selected assigned problems are specifically designed to help you understand the material.
- ✓ Homework is due in class on the first Sunday after completing a chapter.
- ✓ No late homework will be accepted.

Schedule

WEEK	Topics	Reminders
Week 1 31/8 – 4/9	Ch 2: Probability 2.1 Sample Space and Events 2.2 Axioms of Probability 2.3 Addition Rule 2.4 Conditional Probability	
Week 2 7/9 – 11/9	2.5 Multiplication Rule 2.6 Independence 2.7 Bayes' Theorem Ch 3: Discrete Probability Distributions 3.1 Discrete Random variables 3.2 Probability Mass Functions 3.3 Cumulative Distribution Functions	Thursday September 11 ➤ Last day for dropping course(s) without permanent record
Week 3 14/9 – 18/9	3.4 Mean and Variance 3.5 Discrete Uniform Distribution 3.6 Binomial Distribution 3.7 Geometric Distribution	
Week 4 21/9 – 25/9	3.8 Hypergeometric Distribution 3.9 Poisson Distribution Ch 4: Continuous Probability Distributions 4.1 Continuous Random Variables 4.2 Probability Density Functions 4.3 Cumulative Distribution Functions	Tuesday September 23 ➤ National Day - Holiday
28/9 – 9/10 Ied Al-Adha vacation		
Week 5 12/10 – 16/10	4.4 Mean and Variance 4.5 Continuous Uniform Distribution 4.6 The Normal Distribution 4.7 Normal Approximation to the Binomial and Poisson Distribution	
Week 6 19/10 – 23/10	4.8 Exponential Distribution Ch 7: Sampling Distributions 7.1 Point Estimation	Sunday October 19 ➤ Start of midterm grade reporting, for a period of two weeks. Thursday October 23 ➤ Last day for dropping course(s) with grade of "W" thru Internet

Week 7 26/10 – 30/10	7.2 Sampling Distributions and the Central Limit Theorem	
Week 8 2/11 – 6/11	Ch 8: Statistical Intervals for a Single Sample 8.1 Confidence Interval for the Mean of a Normal Distribution with Known Variance 8.2 Confidence Interval for the Mean of a Normal Distribution with Unknown Variance	
Week 9 9/11 – 13/11	8.4 Large Sample Confidence Interval for a Population Proportion Ch 10: Statistical Inference for Two Samples 10-1.3 Intervals on the Difference in Means of Two Normal Distributions with Known Variances	
Week 10 16/11 – 20/11	10-2.3 Intervals on the Difference in Means of Two Normal Distributions with Unknown Variances 10-6.3 Large Sample Intervals on the Difference in Population Proportions	Thursday November 20 ➤ Last day for withdrawal from <u>all courses</u> with grade of "W" thru the Univ Registrar Office
Week 11 23/11 – 27/11	Ch 9: Tests of Hypotheses for a Single Sample 9.1 Hypothesis Testing 9.2.1 Tests on the Mean of a Normal Distribution with Known Variance 9.3.1 Tests on the Mean of a Normal Distribution with Unknown Variance	
Week 12 30/11 – 4/12	9.5.1 Tests on a Population Proportion Ch 10: Statistical Inference for Two Samples Continued 10-1.1 Tests on the Difference in Means of Two Normal Distributions with Known variances 10-2.1 Tests on the Difference in Means of Two Normal Distributions with Unknown Variances	Sunday November 30 ➤ Beginning of Early Registration (142) ➤ Beginning of registration for Coop and Summer Training
Week 13 7/12 – 11/12	10.4 Paired t-test 10-6.1 Large Sample Tests on the Difference in Population Proportions	
Week 14 14/12 – 18/12	Ch 11: Simple Linear Regression and Correlation 11.2 Simple Linear Regression 11.4 Hypothesis Tests in Simple Linear Regression	Thursday December 18 ➤ Last day for major exams ➤ Last day for withdrawal from <u>all courses</u> with grade of "WP/WF" thru the University Registrar Office
Week 15 21/12 – 25/12	11.5 Confidence Intervals 11.6 Prediction of New Observations 11.8 Correlation	
Week 16 28/12	Catch-up	Sunday December 28 Last day of classes (Normal Tuesday

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