

Republic of Iraq
 Ministry of Higher Education and Scientific Research
 Department of Scientific Evaluation Apparatus
 Stage: 2nd s
 Lecturer name
 Academic t



University: Shatt Al-Arab University
 College: Engineering College
 Department: Civil Engineering
 Stage: 2nd stage

Course Weekly Outline

Week No.	Theoretical	Experimental
1	INTRODUCTION TO ENGINEERING STATISTICS (Brief definition in statistics)	
2	PRESENTATION OF STATISTICS DATA cont. (Frequency distributions, Frequency distributions table)	
3	PRESENTATION OF STATISTICS DATA (Cumulative frequency distribution, Graphical representation of data)	
4	Graphical representation of data (Cumulative frequency curves, Histogram, Frequency polygon)	
5	MEASURES OF CENTRAL LOCATION (Measures of center, four types)	
6	MEASURES OF DISPERSION, THE PROBABILITY (Measures of dispersion, four types, Probability theory)	
7	THE PROBABILITY cont. (Combinations of Three or More Events)	
8	THE PROBABILITY cont. (Probability theory rules, Conditional Probability, Bayes' theorems)	
9	Geometric Probability (Geometric Probability examples)	
10	PROBABILITY DISTRIBUTION (Discrete probability distribution, Discrete Uniform Distribution)	
11	PROBABILITY DISTRIBUTION, cont. (Geometric Distribution, Negative binomial Distribution, Binomial Distribution)	
12	Continuous Probability Distributions, Continuous	

	Uniform Distributions, Normal Distributions, Exponential Distribution)	
13	SAMPLING DISTRIBUTION (Sampling Distribution of the Sample Mean, Central Limit Theorem, applications)	
14	THE EXPECTATION (Expectation properties and Moments)	
15	Preparatory week before the final Exam	