

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq
The Ministry Of Higher Education
& Scientific Research



University: Diyala
College: Engineering
Department: Chemical Engineering
Stage: third
Lecturer name: Amal S. Hameed
Qualification: MSc. Mathematics
Place of work: Chemical Eng. Dept.

Flow up of implementation celli pass play

Course Instructor	Amal S. Hameed				
E-mail	amalshaker81@yahoo.com				
Title	Statistics				
Course Coordinator	Annual				
Course Objective	this is a basic lectures for making the student have the fundamentals of probability and statistics which needed in applications of chemical engineering				
Course Description	The scope of coverage includes the nature of probability and statistics begins with frequency distribution and graphs (histograms , frequency curve, frequency polygon,), measurements of central tendency, measurements of dispersion, measurements of position, normal distribution, chi square distribution, confidence limits, gradient and correlations coefficients, central limit theorem, two sided poisson, tests (Z,t,F,X ²)				
Textbook	1- A. G. bluman "Elementary Statistics" , McGraw Hill (1998). 2- D.H. Sanders, R. K. Smidt "Statistics A First Course"6th ed., McGraw Hill (2000).				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (30%)	As(10%)	As (5%)	----	As (50%)
General Notes	Type here general notes regarding the course				

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Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
١	٢٢,٩-٢٠١٤	frequency distribution and graphs		
٢	٢٩-٩-٢٠١٤	histograms , frequency curve, frequency polygon,	Application of the lecture in excel	
٣	٦,١٠-٢٠١٤	measurements of central tendency	Application of the lecture in excel	
٤	١٣,١٦-١٠-٢٠١٤	measurements of central tendency	Application of the lecture in excel	
٥	٢٠,٢٣-١٠-٢٠١٤	measurements of dispersion	Application of the lecture in excel	
٦	٢٧,٣٠-١٠-٢٠١٤	measurements of dispersion	Application of the lecture in excel	
٧	٣-١١-٢٠١٤	measurements of position	Application of the lecture in excel	
٨	١٠-١١-٢٠١٤	measurements of position	Application of the lecture in excel	
٩	١٧-١١-٢٠١٤	moments	Exam	
١٠	٢٤-١١-٢٠١٤	skewness	Application of the lecture in excel	
١١	١-١٢-٢٠١٤	kortusis	Application of the lecture in excel	
١٢	٨-١٢-٢٠١٤	Introduction to statistical		

		distributions		
13	10-12-2.14	Normal distribution		
14	22-12-2.14	Normal distribution		
15	29-12-2.14	Chi square distribution		
16	0-1-2.15	Chi square test	exam	
Half – year break				
17	16-2-2.15	T-test		
18	24-2-2.15	T-test		
19	3-3-2.15	F-test		
20	10-3-2.15	F-test		
21	17-3-2.15	Z-test		
22	24-3-2.15	Z-test		
23	31-3-2.15	confidence limits		
24	7-4-2.15	confidence limits		
25	14-4-2.15	exam		
26	21-4-2.15	gradient and correlations coefficients		
27	28-4-2.15	gradient and correlations coefficients		
28	0-5-2.15	Central limiting theorem		
29	12-5-2.15	two sided poisson		
30	19-5-2.15	two sided poisson		
31	26-5-2.15	exam		

INSTRUCTOR Signature:

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