Date:	Examination No.:	Version:31/12/2023	Start: 7/1/2024
Module Name -	Statistics - 1119		
Code			
Module Language:	English		
Responsible:			
Lecture (s):	Dr. Zrar Sedeeq Othman and Bnar Noaman		
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 1 semester		
Course outcomes:	After successfully completing the course, students should be able to do the following:		
	1. Use statistical methodology and tools in the engineering problem-solving process.		
	2. Compute and interpret descriptive statistics using numerical and graphical techniques.		
	5. Understand the basic concepts of probability, random variables, probability distribution, and		
	4 Compute point estimation of parameters explain sampling distributions and understand the		
	central limit theorem.		
Course Content:	Week Lecture		
	1 st Introduction		
	2 nd Descriptive statistics		
	3 rd Summarizing Data Sets, lec1		
	4 th Summarizing Data Sets, lec1		
	5 th Probability, lec1		
	6 th Probability, lec2		
	7 th Midterm Exam		
	8 th Discrete distribution & Combinations.		
	9 th Binomial distribution		
	10 th Poisson distribution		
	12th Stor dard Normal distribution		
	12 th Standard Normal distribution		
	15 th Contraction		
	15 th Final	Exam	
Literature:	1- Probability and Statistics for Engineering and the Sciences by Jay L. Devore, 2004		
	2– Probability, Statistics and decision for Civil Engineer by Dack R. Benjamin & C. Allin Corne.		
	1970.		
	3 – Applied Statistics for Engineers by William Volk, 1960.		
Type of Teaching:	2 hrs theory and 1 hr tutorial		
Pre-requisites:			
Frequency:	Yearly in spring semester		
Requirements for	For the award of credit points, it is necessary to pass the module exam.		
credit points:	The module exam is theoretical: [Written 120 min]		
	Student's attendance is required in all classes.		
Credit point:	4		
Grade Distribution:	The Grade is generated from the examination result(s) with the following		
	10% activity		
	10% quizzes		
	20% mid-term exam		
Mork lood:	00% IIIai Exam		
	The workload is 155 his. It is the result of 45 his, attendance and 90 his, sen-studies.		