

Course Description Form Principles of Statistics

Course Name					
Principles of Statistics					
Course Code					
PRIS217					
Semester/Year					
Second / 2025					
Date this description was prepared					
15 January 2025					
Available attendance forms					
In Person					
Number of Credit Hours (Total)/ Number of Units (total)					
5h /3.5unit					
Course administrator's name (if more than one name)					
Dr. Ali Ghidan Zidan					
Course Objective					
<ul style="list-style-type: none"> - Fundamentals of Statistics Statistical Codes Presenting and summarising statistical data - Frequency Distribution Schedules Measures of dispersion. Correlation analysis Regression Analysis - Statistical tests - Statistical significance 					
Teaching and Learning Strategies					
<p>How to give lectures</p> <ol style="list-style-type: none"> 1- Brainstorming 2- Thinking strategy according to the student's ability, for example (if the student can learn the concept of applying statistical concepts in the fields of research and academic application in detail 3- A critical thinking strategy in learning, a term that symbolizes the highest levels of thinking, which aims to pose a problem and then analyse it logically to reach the desired solution. 					
Course Structure					
Week	Credits	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluation Method
1	5	Fundamentals of Statistics	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
2	5	Statistical Codes	Principles of Statistics	Explanation and presentation	Quick and Monthly Exams, Class

				of the model and lecture	Activity and Reports
3	5	Presenting and summarizing statistical data	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
4	5	Frequency Distribution Schedules	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
5	5	Measures of Central Tendency	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
6	5	Measures of dispersion	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
7	5	Correlation, its types and measurement	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
8	5	Regression, its types and measurement	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
9	5	Analysis of vari-	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
10	5	Normal distribution and probability distributions	Principles of Statistics	Explanation and presentation of the model and lecture	Quick and Monthly Exams, Class Activity and Reports
11	5	Testing hypotheses statistical errors	Principles of Statistics	Explanation and presentation	Quick and Monthly Exams, Class

				of the model and lecture	Activity and Reports
12	5	Test hypotheses and distribution t, f, z	Principles of Statistics	Explanation and presentation of the model and lecture	Quick Monthly Exams, Activity Reports and Class and
13	5	Distribution of Hypothesis Test – f	Principles of Statistics	Explanation and presentation of the model and lecture	Quick Monthly Exams, Activity Reports and Class and
14	5	Chi-square Test	Principles of Statistics	Explanation and presentation of the model and lecture	Quick Monthly Exams, Activity Reports and Class and

Course Evaluation

- Quick daily exams (kozat) .
 - Monthly exams (two or more).
 - Evaluating the class activity of the students .
- Evaluating the laboratory activities of students
- Assessments on writing scientific reports and homework .

Learning and Teaching Resources;

Required textbooks (methodology if any)	Al-Rawi, Khasha , Introduction to Statistics (1986), Dar Al-Ku for Printing and Publishing, Mosul University.
Key References (Sources)	
Recommended supporting books and references (scientific journals, reports)	
E-References , Websites	