Course Description Form

1. Course Name
Principles of Statistics
2. Course Code
FS-11-PR
3. Semester / Year
First Semester / First Stage / Academic Year 2026-2027
4. Date this description was prepared
27/7/2026
5. Available Forms of Attendance
Morning - Evening
6. Number of Hours (Total) / Number of Credits (Total)
30 / 2
7. Course administrator name
Name: Assoc. Prof. Dr. Esraa Nizamuddin Al-Taie Email : israa.nidhamaldeen@uowa.edu.iq
8. Course Objectives

Cognitive Goals 1- The student will be able to understand: 2- Teach the student how to perform statistical analysis of data 3- Defining the Community 4- Specimen Identification 5- How to make the questionnaire form 6- Configure a frequency distribution table 7- Use statistical indicators to describe data **Skill Objectives:** 1- The student will be able to: 2- Master the use of statistical analysis steps in analyzing data in different fields	**Objectives of the course:** **A. Providing students with knowledge of the nature of the job of statistics from Academically and functionally.** **B. Understanding the nature of the work the statistician based on statistical standa International and American and domestic.** **c. Learn the types of statistics based on competence of the executing entity.** **d. Provide them with information related the programs for statistical work.** **e. Developing their awareness regard statistics, their importance and types**

3- Know how to design statistical software. 4- Learn how to prepare a statistical report 5- Learn how to examine the statistics system during its implementation stages **Value Goals:** The student will be able to: 1- Analysis, Reasoning, and Comparison. 2- Accuracy of observation and depth of thought. 3- Speed of information retrieval and self-determination. 4- Decision speed and accuracy.	**and the stages of its examination.** **g. Knowing the nature of the Central Bur of Statistics and how to cooperate with them by getting statistics** **h. Reviewing the bodies supporting the w of the supervisory authorities;** **As the Integrity Commission.**

9. Teaching and Learning Strategies

Teaching and Learning Strategies: **1-** Use the lecturing style and link each topic to real-life examples. **2-** Give them some practical exercises and solve the value of the lect with the participation of all students. **3-** Ask a few questions and involve everyone by discussing them create a state of interaction.	Strategy

10. Course Structure:

Method Evaluation	Method Learning	Unit Name or Subject	Required Learning Outcomes	Watches	The week
Quick exams.	theoretical	Correlation, correlation coefficient Linear correlation coefficient	Correlation, correlation coefficient Linear correlation coefficient	2	1
Quick exams.	theoretical	Rank Correlation Coefficient Simple Linear Regression Analysis	Rank Correlation Coefficient Simple Linear Regression Analysis	2	2

Quick exams.	theoretical	Simple linear regression analysis.	Simple linear regression analysis.	2	3
Quick exams.	theoretical	Basic concepts, knowing what time series are and their types	Basic concepts, knowing what time series are and their types	2	4
Quick exams.	theoretical	What are time series and their types	What are time series and their types	2	5
Quick exams.	theoretical	Linear general direction, directional value	Linear general direction, directional value	2	6
Quick exams.	theoretical	Graphically Representing Time Series	Graphically Representing Time Series	2	7
Quick exams.	theoretical	The concept of indexes and their types	The concept of indexes and their types	2	8
Quick exams.	theoretical	What are the types of experiments and the laws of probability	What are the types of experiments and the laws of probability	2	9
Quick exams.	theoretical	What are the types of experiments and the laws of probability	What are the types of experiments and the laws of probability	2	10
Quick exams.	theoretical	Probability applications, (some matchmaking counting methods)	Probability applications, (some matchmaking counting methods)	2	11
Quick exams.	theoretical	Probability applications, (some methods of counting matches).	Probability applications, (some methods of counting matches).	2	12
Quick exams.	theoretical	Blocking and non-preventable events, independent and non-independent events	Blocking and non-preventable events, independent and non-independent events	2	13

Quick exams.	theoretical	Concepts of Random Variable Types	Concepts of Random Variable Types	2	14
Quick exams.	theoretical	Probability distributions	Probability distributions	2	15

11. Course Rating:

Distribution of the grade out of 40 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc. etc. and the final of 60.

12. Learning and Teaching Resources :

Book "Principles of Statistics", Taiba, Ahmed, Amman, Dar Al-Bida 2007.	Required Textbooks (Methodology, if any)
1- Statistics Book for Administrative and Accounting Specializations Prof. Dr. Zafer Hussein Rashid & Prof. Dr. Kamal Alwan Khalaf Al-Mashhadani **2- Statistics Book:** Prof. Dr. Hammoud Hassan Al-Mashhadani & Associate Prof. **Amir** Hanna Hormuz	Main Reference (s)
1- Modern Books, Scientific References and Modern Scientific Periodicals	Recommended books and references (scientific journals, reports...)
1- Central Bureau of Statistics website	References, Websites

Approval of the Dean of the College
Assoc. Prof. Dr. Talal Faiq Al-Kamali

Authentication of the Head of the Department
Assoc. Prof. Dr. Esraa