

Description of First-Stage Courses

Number of courses: 9

Number of units: 36

Course Description Form: Statistics

Course name					
Principles of Statistics / Descriptive Statistics					
Course code					
asdm					
Semester / Year					
First Semester / 2025-2026					
Date of preparation of this description					
2026-2027					
Available forms of attendance					
In-person in classrooms					
Total study hours / total number of units					
Total study hours (30) / total number of units (3)					
Name of course coordinator (if more than one, list all)					
Name: Assist. Prof. Moued Kadhim Al-Asadi alasadimoued79@gmail.com					
Course objectives					
Introducing the student to basic statistical concepts and their uses in practical life. Developing the student's skill in tabulating and classifying raw data and converting them into useful information. Equipping the student with the ability to calculate and interpret measures of central tendency and dispersion.					Objectives of the course subject
Teaching and learning strategies					
* Theoretical aspect: explaining statistical concepts and methods and how to solve mathematical problems related to statistics. * Scientific interaction: activating student participation when the material is explained and raising scientific questions about it as part of the assessment process. * Attendance commitment: requiring students to attend lectures by allocating marks for attendance within the assessment. * Assignments: assigning students homework for the purpose of assessment and determining their academic level in relation to the given material.					Strategy
Course structure					
Assessment method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Participation, discussion, exam	In-person lecture	Focuses on manual understanding and formulas to prepare the student for the software	Theoretical	3	
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Participation, discussion, exam	In-person lecture	Focuses on manual understanding and formulas to prepare the student for the software	Theoretical	3	
Participation, discussion, exam	In-person lecture	Introduction to statistics, types of data, and sampling methods	Theoretical	3	

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Participation, discussion, exam	In-person lecture	Introduction to statistics, types of data, and sampling methods	Theoretical	3	
Exam	In-person lecture	Measures of central tendency (mean, median, mode).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of central tendency (mean, median, mode).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of central tendency (mean, median, mode).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of central tendency (mean, median, mode).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of dispersion (standard deviation, variance, coefficient of variation).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of dispersion (standard deviation, variance, coefficient of variation).	Theoretical	3	
Participation, discussion, exam	In-person lecture	Measures of dispersion (standard deviation, variance, coefficient of variation).	Theoretical	3	
Exam	In-person lecture	Review and midterm exam.	Theoretical	3	
Participation, discussion, exam	In-person lecture	Review and midterm exam.	Theoretical	3	
Participation, discussion, exam	In-person lecture	Introduction to the software and user interface: getting to know the (Data View) and (Variable View) screens.	Practical	3	
Participation, discussion, exam	In-person lecture	Introduction to the software and user interface getting to know the (Data View) and (Variable View) screens.	Practical	3	
Participation, discussion, exam	In-person lecture	Entering and editing data how to enter raw data and correct errors.	Practical	3	
Participation, discussion, exam	In-person lecture	File and data management merging files, sorting cases (Sort Cases), and selecting samples	Practical	3	
Participation, discussion, exam	In-person lecture	Transform menu (Transform) computing new variables (Compute) and recoding (Recode).	Practical	3	
Participation, discussion, exam	In-person lecture	Descriptive statistics (Descriptive) extracting frequencies (Frequencies) and percentages.	Practical	3	

Participation, discussion, exam	In-person lecture	Measures of central tendency and dispersion in SPSS extracting (Mean, SD, Variance) with the click of a button.	Practical	3	
Participation, discussion, exam	In-person lecture	Statistical charts creating (Histograms, Pie Charts, Boxplots) and exporting them	Practical	3	
Participation, discussion, exam	In-person lecture	Correlation analysis (Correlation): computing Pearson and Spearman correlation coefficients electronically.	Practical	3	
Participation, discussion, exam	In-person lecture	Linear regression (Linear Regression) building a prediction model and deriving the straight-line equation	Practical	3	
Participation, discussion, exam	In-person lecture	T-tests - 1 One-Sample T-Test	Practical	3	
Participation, discussion, exam	In-person lecture	T-tests - 2 Independent Samples T-test	Practical	3	
Participation, discussion, exam	In-person lecture	Analysis of variance (ANOVA) introduction to one-way ANOVA.	Practical	3	
Participation, discussion, exam	In-person lecture	Reading and interpreting results (Output) how to write a report based on output tables	Practical	3	
Participation, discussion, exam	In-person lecture	Final exam (practical and theoretical) comprehensive assessment of acquired skills	Practical	3	

11. Course evaluation

Distribution of the mark out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc.

* 60 marks for the final written exam.

* 40 marks for the student's coursework.

a- 30 marks for the student's monthly exam.

b- 5 marks for daily oral participation during the lecture.

c- 5 marks for lecture attendance.

Learning and teaching resources

The approved book on Statistics and the SPSS program (version 20 and above).

Required textbooks (curricular, if any)

Main references (sources)

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Websites on studies related to media management and planning	Electronic references, Internet websites