

Course description form

Course Name .1	
Statistical	
Course Code .2	
STAT109	
Semester/ year .3	
Second (spring) semester 2023–2024	
Date this description was prepared .4	
2024/2/1	
A. Available attendance forms .5	
My presence	
Number of study hours (total)/number of units (total) .6	
theoretical + 3 practical / 3.5 units 2	
Name of the course administrator (if more than one name is .7 (mentioned	
M. Raghad Naseer Walid :Name M. M. Nahid Sharif Omar	
objectives Course .8	
<p style="text-align: right;">:Practical</p> <p>abling the student to identify the most important data that controls the method of collecting them, tabulating them, and placing them in a frequency distribution table in addition to the most important statistical laws in calculating results to know its significance or not, based on the null hypothesis and alternative theory</p>	<p style="text-align: center;">Objectives of the study subject</p> <p style="text-align: right;">:theoretical</p> <p>abling the student to understand and comprehend what is related to statistics mathematical relations and their relationship to scientific experiments.</p> <p>able the student to know the nature of data, its components and features .In the method of collecting data</p> <p>abling the student to become familiar with methods of collecting and classifying data .And put it in a frequency distribution table</p> <p>empowering the student with his ability to know most important mathematical standards in calculating data</p> <p>student can judge the significance of the results</p>

	according to the statistical hypotheses
Teaching and learning strategies .9	
<p>Adaptation through teamwork to reveal leadership skills</p> <p>Adapt tasks and reports to learn about their mental skills</p>	<p>:My theory</p> <p>Interactive lecture –</p> <p>Brainstorming –</p> <p>Dialogue and discussion –</p> <p>Adapt tasks and reports –</p> <p>Conducting a scientific visit to private research centers With statistical data</p>

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Short exams, assignments, discussions	<p>:My theory</p> <p>Auditory methods</p> <p>Writing style on the blackboard</p> <p>Dialogue style</p> <p>Direct</p> <p>:practical</p> <p>Assigning tasks</p> <p>And report</p>	<p>:My theory</p> <p>Introduction to statistics</p> <p>:practical</p> <p>nature of statistical data</p> <p>and symbols</p> <p>Statistics</p>	<p>theoretical: The student is familiar with an ...introduction to statistics by definition of statistics</p> <p>variables, sections, and history of science</p> <p>Statistics</p> <p>Practical: recognizes data</p> <p>Statistics</p>	2	1
Short exams, assignments, discussions	<p>:My theory</p> <p>Auditory methods</p> <p>Use of writing on the blackboard</p> <p>Dialogue style</p> <p>Direct</p> <p>:practical</p> <p>Assigning tasks</p> <p>And report</p>	<p>:My theory</p> <p>nature of statistical data</p> <p>:Practical</p> <p>nature of statistical data</p> <p>and symbols</p> <p>Statistics</p>	<p>theoretical: Explains the nature of the data statistics in identifying data population, sample, and statistical symbols</p> <p>Practical: learns the most important Statistical symbols</p>	2	2

			And give examples		
Short exams, assignments, discussions	<p>:My theory</p> <p>auditory methods</p> <p>Writing style on the blackboard</p> <p>Dialogue style</p> <p>Direct</p> <p>:practical</p> <p>Assigning tasks</p> <p>And report</p>	<p>oretical: tabular presentation and graphical representation</p> <p>:Practical nature of statistical data and symbols</p> <p>Statistics</p>	<p>oretical: Learn about tabular presentation and graphical presentation by identifying types and some important definitions</p> <p>a frequency distribution table</p> <p>ctical: He is familiar with the most important rules and statistical symbols and their application</p>	2 Theoretical Practical	3
Short exams, assignments, discussions	<p>:My theory</p> <p>auditory methods</p> <p>Writing style on the blackboard</p> <p>Dialogue style</p> <p>Direct</p> <p>:practical</p> <p>Assigning tasks</p> <p>And report</p>	<p>oretical: frequency distribution table</p> <p>Relative</p> <p>:Practical graphical representation and tabular display</p>	<p>oretical: Master the frequency distribution table by explaining the and graphical representation</p> <p>the relative frequency distribution table</p> <p>a cluster frequency table</p> <p>ctical: Familiar with</p>	2 Theoretical Practical	4

ns			graphical representation ular display consists of a quency distribution table and its representation		
Short exams, assignme nts, discussio ns	:My theory uditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report	oretical: Measures of ncentration or mediation :Practical asures of concentration or mediation	oretical: He masters measures of concentration or diation by defining standards and recognition the most important dards and application of the mean hmetic, median, and de for classified and unclassified values ctical: Familiar with positioning standards diation by applying examples of mediation hmetic calculation of sified and unclassified values	2 eoretical Practical	5
Short exams, assignme nts,	:My theory uditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report	oretical: Measures of dispersion or difference :Practical asures of concentration or mediation	oretical: Proficient in dispersion metrics ference in definition of standards and recognition the most important rics and estimation of variance e standard deviation and the mean deviation	2 eoretical Practical	6

discussions			classified and unclassified values :Practical familiar with positioning standards mediation by applying examples of mediation classified and unclassified values		
Short exams, assignments, discussions	:My theory auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report	oretical: Principles of probability theory :Practical asures of concentration or mediation	oretical: Explains theoretical principles probabilities by defining probabilities most important terms used of discrete probability distributions and properties Binomial distribution ctical: Familiar with positioning standards mediation by applying examples along the lines classified and unclassified values	2 eoretical Practical	7

<p>Short exams, assignments, discussions</p>	<p>:My theory Auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report</p>	<p>oretical: testing hypotheses :Practical measures of dispersion or difference</p>	<p>oretical: proficient in using hypotheses through identification the most important statistical hypotheses And make decisions ctical: Familiar with dispersion standards ference by applying examples to the term iance, mean and standard deviation</p>	<p>heoretic al Practical</p>	<p>8</p>
<p>Short exams, assignments, discussions</p>	<p>:My theory Auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report</p>	<p>oretical: Chi- square distribution :Practical principles of probability theory</p>	<p>oretical: Identify the square distribution by definition of chi square and steps and apply an example distribution Chi square ctical: mastering theoretical principles sibilities by taking applications on Possibilities</p>	<p>heoretic al Practical</p>	<p>9</p>

<p>Short exams, assignments, discussions</p>	<p>:My theory Auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report</p>	<p>heoretical: statistical tests :Practical Hypothesis testing</p>	<p>oretical: Familiar with statistical tests learning about the most important steps Statistics for tests ctical: demonstrates hypothesis testing imating hypotheses after solving an example On that</p>	<p>heoretic al Practical</p>	<p>10</p>
<p>Short exams, assignments, discussions</p>	<p>:My theory Auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report</p>	<p>oretical: normal distribution :Practical Statistical tests</p>	<p>oretical: Learn about the normal distribution ining normal distribution and methods for estimating it ctical: suggests methods e most important statistical tests Chi - square test</p>	<p>heoretic al Practical</p>	<p>11</p>
<p>Short exams, assignments, discussions</p>	<p>:My theory Auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report</p>	<p>mples of : Theoretical normal distribution :Practical Statistical tests</p>	<p>oretical: Experiments a examples of distribution ural by applying an mple to the distribution Natural ctical: suggests methods e most important statistical tests (t) distribution</p>	<p>heoretic al Practical</p>	<p>12</p>
<p>Short exams,</p>	<p>:My theory Auditory methods Writing style on the blackboard</p>	<p>z test :Theoretical :Practical</p>	<p>oretical: Familiar with By definition z test the e test and its estimation methods</p>	<p>heoretic al Practical</p>	<p>13</p>

assignments, discussions	Dialogue style Direct :practical Assigning tasks And report	Statistical tests	practical: suggests methods most important statistical tests (z) test		
Short exams, assignments, discussions	:My theory auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report	distribution :Theoretical :Practical Statistical tests	theoretical: familiar with t distribution the definition t test and its estimation methods practical: Master the normal distribution applying applications on normal distribution	theoretical Practical	14
Short exams, assignments, discussions	:My theory auditory methods Writing style on the blackboard Dialogue style Direct :practical Assigning tasks And report	theoretical: Correlation and regression :Practical Correlation and regression	theoretical: familiar with Correlation and regression definition of correlation and regression methods Appreciate it practical: Explains relation and regression solving examples of Correlation and regression	theoretical Practical	15

Course evaluation .11

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

Relative % weight	Class	Calendar date (week)	Calendar methods	T
%13	7 theoretical +1 6 practical	My theory for a week (15) My work week (15)	A theoretical final report + a final report on the subject the operation	1
%6	4	week (3)	Quiz Short test (1)	2

	Theoretic + al 2Practic al			
%15	10 theoretica +1 5 practical	week (9)	Midterm test (theoretical and (practical	3
%6	4Theoret + ical 2Practic al	week (12)	Quiz Short test (2)	4
%20	20	Practical exams week	Final practical test	5
%40	40	The week of theoretical exams	Final theoretical test	6
%100	100		the total	

Learning and teaching resources .12

Principles of Statistics book	Required textbooks (methodology, if any)
	Main references (sources)
atures and books published in universities Iraqi	Recommended supporting books and references (scientific journals, reports....)
bsites specialized in statistics principles	Electronic references, Internet sites

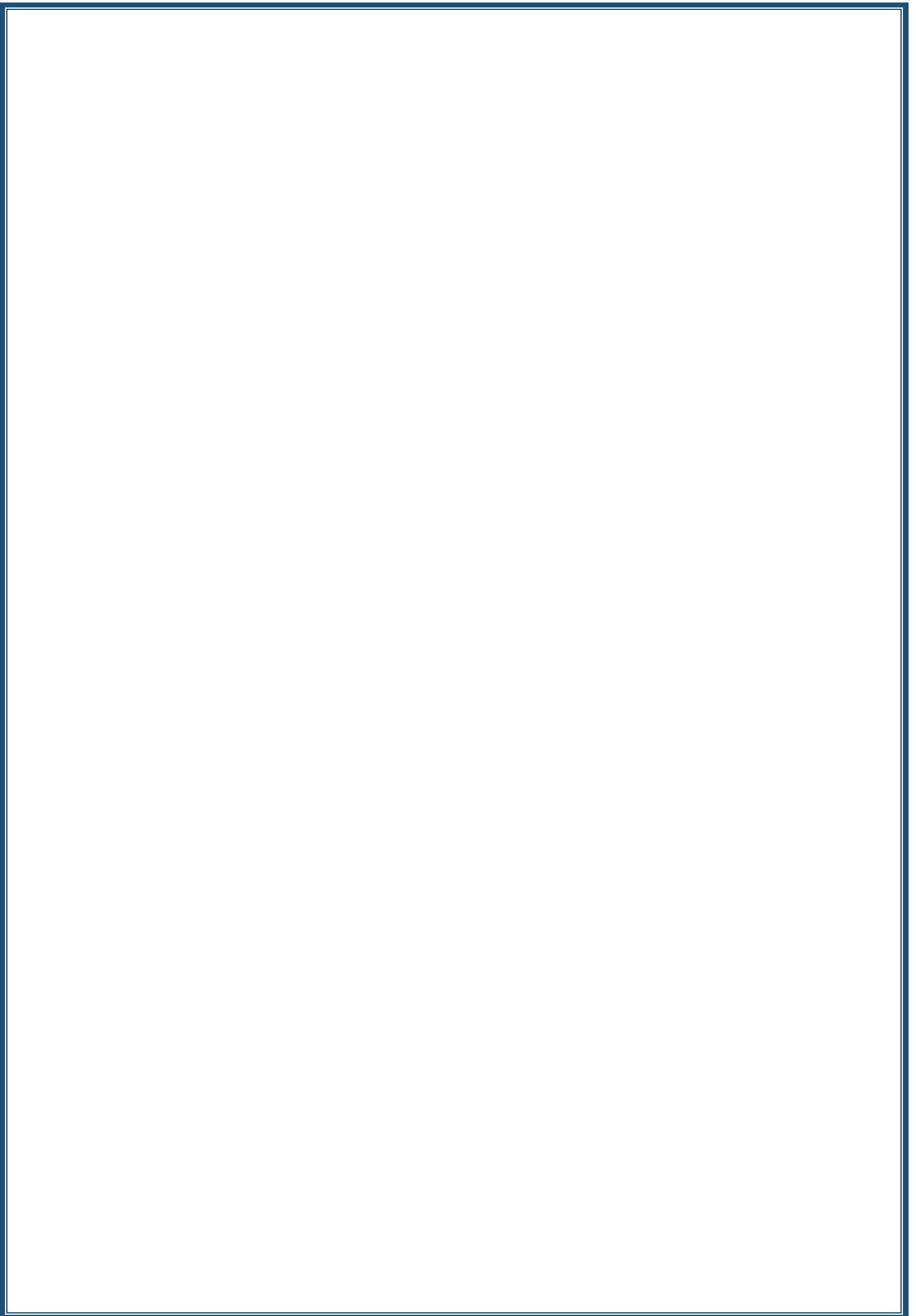
School of theoretical subject: M. Raghad Naseer Walid



Practical subject teacher: Lecturer Nahid Sharif Omar

Muthanna Ahmed Muhammed .Head of the Scientific Committee :
Prof .Dr , Tayyab

Prof Dr , omar Diaa AL-Malla .Head of the Animal Production Department



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Tayyeb, Head of the Animal Production Department . Mr. Dr . age Daa Al-
Mallah