MODULE DESCRIPTION FORM

Study material a description model

Module Information Study Material information					
Module Title	Principles of Statistics			**Module Delivery**	
Module Type	**B asic**			☒ **Theory** **Lecture** ☐ **Lab** ☐ ☒ **Tutorial** **Practical** ☐ **Seminar** ☐	
Module Code	TCH121				
ECTS Credits	8				
SWL (hr/sem)	200				
Module Level	1		**Semester of Delivery**	1	
Administering Department	Financial and Banking Technologies		**College**	Hawija Technical College	
Module Leader	Ahmed Lafteh is stubborn		**e-mail**		
Module Leader's Acad. Title	Assistant teacher		**Module Leader's Qualification**	Master's	
Module Tutor			**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee ApprovalDate			**Version Number**		

Relation with other Modules Relationship with other study subjects			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents guidance Course objectives, learning outcomes, and content	
Module Aims Course objectives	.1 To familiarize the student with statistical methods and the use of scientific methods in collecting, organizing, presenting and classifying various statistical data . .2 Enabling the student to deal with the analysis of available data, using statistical concepts and methods in analysis and deriving results. .3 Performing his duties at the workplace with professional motivations. .4 Raising their research awareness and moving the student from the stage of teaching t o learning.
Module Learning Outcomes Learning outcomes for the subject	.1 The concept of statistics and its relationship to other sciences is known. .2 -It recognizes random, non-random, and sample variables. .3 Constructing simple and double repetition tables. .4 continuous and discrete distributions and their functions. .5 -Representing non-quantitative and quantitative data using lines, histograms, and pie charts. .6 It identifies measures of central tendency , such as the arithmetic mean . The mediator, The pattern, an d the relationship between them .7 It identifies measures of dispersion, Range, Interquartile Deviation , Standard Deviation .8 It introduces the concept of correlation , the simple correlation coefficient , and rank correlation. .9 He recognizes statistical tests (R2 andt-test,)
	The guidance content includes the following: .1 Solve the examples outside of class .2 Consulting books on the principles of statistics .3 Watch a video about the principles of statistics .4 Asking a question about any unclear topic and having the professor answer it .5 Collaborative learning with demand

Indicative Contents	
Guidelines	

Learning and Teaching Strategies Learning and teaching strategies	
Strategies	-1 . The information is explained in full and in detail in Arabic to the students -2 Continuous communication with students, including a safe learning . environment -3 Ensuring that the information reaches and is understood by the students . and tests through direct questions -4 Activating cooperative learning among students to increase the ability to . understand others -5 .Doing homework outside of class

Student Workload (SWL) Student's academic workload			
Structured SWL (h/sem) tudent Regular academic workload for the during the semester	108	**Structured SWL (h/w)** Regular weekly study load for the student	7
Unstructured SWL (h/sem) Irregular student workload during the semester	92	**Unstructured SWL (h/w)** Irregular weekly study load for the student	1
Total SWL (h/sem) The student's total academic workload during the semester	200		

Module Evaluation Course Material Assessment					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	4	10% (10)	2, 4, 6 7	
	Assignments	2	10% (10)	5, 13	
	Projects/lab				
	Report				
Summative assessment	**Midterm Exam**	1hr	20% (20)	11	
	Final Exam	3hr	60% (60)	16	
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) Weekly theoretical curriculum	
	Material Covered
Week 1	The concept of statistics and its relationship to other sciences
Week 2	Statistical methods, data collection methods
Week 3	Types of samples, data classification and categorization
Week 4	Frequency tables
Week 5	Types of frequency tables

Week 6	Constructing simple and double frequency tables
Week 7-8	quantitative (descriptive) data using line graphs-Representing non
Week 9	Representing quantitative data (frequency distributions), histogram, frequency polygon, graph, cumulative frequency curve.
Week 10-11	Measures of central tendency: arithmetic mean, median, mode, relationship between arithmetic mean, median and mode.
Week 12	Measures of dispersion: range, quartile deviation, standard deviation.
Week 13	Simple correlation coefficient
Week 14	Statistical tests t- Square Test-test K
Week 15	
Week 16	

Delivery Plan (Weekly Lab. Syllabus) Weekly laboratory schedule	
	Material Covered

Learning and Teaching Resources Learning and teaching resources		
	Text	**Available in the Library?**
Required Texts	Books on the principles of statistics were available in the .college library	Yes
Recommended Texts	Principles of Statistics	
Websites	Books available on the internet	

Grading Scheme

مخطط الدرجات

Group	Grade	Appreciation	Marks(%)	Definition
Success Group(50 - 100)	**A** - Excellent	Excellent	90 - 100	Outstanding Performance
	B - Very Good	very good	80 - 89	Above average with some errors
	C - Good	good	70 - 79	Sound work with notable errors
	D Satisfactory	middle	60 - 69	Fair but with major shortcomings
	E Sufficient	acceptable	50 - 59	Work meets minimum criteria
Fail Group(0 – 49)	**FX Fail**	Sediment (under (processing	(45-49)	More work required but credit awarded
	F Fail	Precipitate	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a markof 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.