MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information							
معلومات المادة الدراسية							
Module Title	Mather	matics for Business	s	Module Delivery			
Module Type		В			☑ Theory		
Module Code		BA1104		☐ Lecture☐ Lab			
ECTS Credits				☐ Tutorial			
SWL (hr/sem)	150				☐ Seminar		
Module Level	1		Semester o	of Delivery		1	
Administering Department		Business Administration	College	SAUC			
Module Leader	Alia Majed Dakhil		e-mail	alia.majed.dakhil@sa-uc.edu.iq		ı-uc.edu.iq	
Module Leader's Acad. Title		Assistant Lecturer	Module Lea	Leader's Qualification M.Sc.		M.Sc.	
Module Tutor	Alia Majed Dakhil		e-mail	alia.majed.dakhil@sa-uc.edu.iq		c.edu.iq	
Peer Reviewer Name		Prof. Dr. Muhammed Abood Taher	e-mail				
Scientific Committee Approval Date		2025/1/1	Version Nu	nber 1.0			

Relation with other Modules					
العلاقة مع المواد الدراسية الأخرى					
Prerequisite	None	Semester			
module					
Co-requisites module	None	Semester			

Module Aims, Learning Outcomes and Indicative Contents				
ادية	أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشا			
Module Objectives أهداف المادة الدراسية	 1- This definition provides the definition of some basic principles in the mathematics of tasks 2- Introducing them to the periods of application of these principles and algebraic operations on sets 3- Introducing them to functions, ends, linear equations and methods of solving them. 4- Introducing them to the periods of application of these principles and algebraic operations on sets 			
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	 Understand the concept of a set and its elements. In addition to learning about finite and infinite sets, empty sets, equal and partial sets Learn how to solve the difference of sets, the inverse difference, and the rules of group distribution Understand the concept of limit and its importance in mathematics Identify the ends when approaching a certain number, as well as the ends when approaching infinity Understand the concept of function and its types (linear functions, quadratic functions, polynomial functions, exponential functions The ability to represent a function graphically and understand the relationship between variables Understand the concept of matrix and its types (square, rectangular, etc.). Learn how to organize elements within an array. Understand the concept of linear equation and its general form The ability to represent linear equations graphically and understand the relationship between variables. Understand the concept of differentiation and its role in mathematics Learn about derivatives and how to calculate them. Understand the concept of integration and its role in mathematics Learn about definite and indefinite integration and when to use each. 			
Indicative Contents المحتويات الإرشادية	The contents of the guidance study include the outlines that aim to guide and plan the educational process. These contents generally include 1. Educational objectives 2. Main concepts 3. Curricula 4. Educational materials 5. Educational activities 6. Evaluation methods 7. Academic guidelines These contents are a roadmap that helps the teacher and student understand the progress of the study material and ensure the achievement of the intended educational objective.			

Total hours = 147 = Self-study hours - (Exam hours) = 150 - 3 = 147 hours (Timetable hours x 15 weeks)						
	Learning and Teaching Strategies					
	استراتيجيات التعلم والتعليم					
	Teaching and learning methods 1- Giving lectures. 2- Discussion inside the hall. 3- Solving exercises inside the hall. 4- Discussing mathematical problems inside the hall.					
Strategies	Evaluation methods: 1- Daily participation of students through the method of explaining the subject. 2- Daily tests.					

Student Workload (SWL)					
الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا					
Structured SWL (h/sem) Structured SWL (h/w) الحمل الدراسي المنتظم للطالب خلال الفصل أسبوعيا 63					
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	87	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6		
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150				

Delivery Plan (Weekly Syllabus)						
	المنهاج الاسبوعي النظري					
Week	Material Covered					
Week 1	Sports groups					
Week 2	Sets and mathematical operations on them					
Week 3	The purpose					
Week 4	The radical purpose and the purpose of both sides					
Week 5	Functions					
Week 6	Functions					
Week 7	Mid- term Exam					
Week 8	Matrices					
Week 9	Mathematical operations on matrices					
Week 10	Mathematical operations on matrices					
Week 11	Mathematical equations					
Week 12	differentiation					
Week 13	differentiation					
Week 14	integration					
Week 15	integration					
Week 16	Final Exam					

Delivery Plan (Weekly Lab. Syllabus)				
المنهاج الاسبوعي للمختبر				
Week	Material Covered			
Week 1	-			
Week 2	-			
Week 3	-			
Week 4	-			
Week 5	-			
Week 6	-			
Week 7	-			

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
	Quizzes	1	10% (10)	7	LO #1, #2 and #4
Formative assessment	Assignments	1	10% (10)	Continuous	LO #3, #4
	Seminars	1	10% (10)	Continuous	All
	Report	1	10% (10)	12	LO #5, #8 and #10
Summative	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
assessment	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Learning and Teaching Resources				
مصادر التعلم والتدريس				
	Text Available in the Library?			
Required Texts	Principles of Mathematics / Written by: Dr. Muhammad Al- Qadi and Mr. Ahmed Abu Bakr	Yes		
Recommended Texts				
Websites				

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition		
	A - Excellent	امتياز	90 - 100	Outstanding Performance		
	B - Very Good	جید جدا	80 - 89	Above average with some errors		
Success Group (50 - 100)	C - Good	جيد	70 - 79	Sound work with notable errors		
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings		
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria		
Fail Group	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded		
(0 – 49)	F – Fail	راسب	(0-44)	Considerable amount of work required		

Note: Decimals above or below 0.5 will be rounded to the highest or lowest full mark (e.g. a mark of 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54). The University has a zero tolerance policy for 'near-pass failures', so the only adjustment to marks awarded by the original examiners will be the automatic rounding described above.