

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	mathematics		Module Delivery	
Module Type	C		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	MMOG1104			
ECTS Credits	5			
SWL (hr/sem)	125			
Module Level	UGx11 1	Semester of Delivery		1
Administering Department	Oil and Gas Management and Marketing	College	Shatt al-Arab University, College of Administration and Economics	
Module Leader	alia majed dakhil		e-mail	alia.majed.dakhil@sa-uc.edu.iq
Module Leader's Acad. Title	Assistant Teacher	Module Leader's Qualification	Assistant Teacher	
Module Tutor	alia majed dakhil		e-mail	alia.majed.dakhil@sa-uc.edu.iq
Peer Reviewer Name		e-mail		
Scientific Committee Approval Date	2025/9/1	Version Number	1.0	

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

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

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	A- Cognitive objectives A1- Acquire mathematical knowledge and deal with society A2- Understand how to use mathematics in terms of symbols, shapes and drawings A3- Understand the nature of mathematics and its role in explaining some things in nature A4- Understand the mathematical structure and its perception in algebraic and geometric operations A5- Understand the process of integration and linking with other subjects. B- Course specific skill objectives B1- Acquire the ability to classify, collect, represent and draw data B2- Acquire the ability to deal with derivation and integration B3- The ability to present and discuss mathematical ideas B4- Acquire the skill of mathematical proof B5- The ability to understand algebraic and geometric operations
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 Educational objectives -1 Main concepts -2 Curricula -3 Educational materials -4 Educational activities -5 Evaluation methods -6 Academic guidelines -7 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 objectives. Total hours = 50 = Self-study hours - (Exam hours) = 50 - 3 = 47 hours (Timetable hours x 15 weeks)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	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. 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) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

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					
As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	7	
	Assignments	1	10% (10)	Continuous	
	Seminars	1	10% (10)	Continuous	
	Report	1	10% (10)	12	
Summative assessment	Midterm Exam	2hr	10% (10)	7	
	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	Headway plus	Yes
Recommended Texts	Principles of Mathematics / Written by: Dr. Muhammad Al-Qadi and Mr. Ahmed Abu Bakr	
Websites		

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	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 (0 - 49)	FX - Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	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.

رئيس القسم
م.د. واعد عبد الجليل حسن

مدرس المادة
م. م. علياء ماجد د خليل

**Director of the Quality Assurance and Performance Department of
the University: Wafa Saeed Hassan**

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