	Ministry of Higher Education and Scientific Research. University of Anbar. Department of Information System.	

MODULE DESCRIPTOR FORM

Module Information					
Module Title	**Mathematic I**			**Module Type**	TYPE B
Module Code	**CCIT060**		**ECTS Credits**		6
Module Level	**UGI**		**Semester of Delivery**		One
Administering Department	**IS**		**Faculty**	CSIT	
Module Leader	**Muhammad Rabie**		**e-mail**	**mohammed.rabeea@uoanbar.edu.iq**	
Module Leader's Acad. Title	**Lecturer**		**Module Leader's Qualification**		PhD.
Module Tutor			**e-mail**		
Peer Reviewer Name	/		**e-mail**	/	
Review Committee Approval	DD/MM/YY		**Version Number**	2.0	

Relation With Other Modules	
Pre-requisites	/
Co-requisites	/
Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	A - Understand the concept of mathematics, its methods and applications. B - Explain the concept of derivatives and integration and their applications. C - Understand the relationship between extracts and integration and the real problems and how to deal with them
Module Learning Outcomes	A-Knowledge and Understanding A 1. Acquiring the ability and skill to distinguish the bases of derivatives methods and dealing with them A 2. Acquire the capabilities and skills of applications of derivatives

	A3. Dealing with different methods of finite and indefinite derivatives B. Subject-specific skills B1. Summer Training B2. Fourth year projects B3. Scientific projects
Indicative Contents	
Learning and Teaching Strategies	
Strategies	The main strategy that will be adopted in delivering this module are: 1. Power point presentation (Data show). 2. Explanation on the white board using different color markers. 3. Discussions with the student during teaching. 4. Interaction with students through daily problems practice through lecture. 5. Solve different problems with more exercises. 6. Submit assignment that develop student learning.

Module Delivery	
Structured workload (h/w)	3.3
Unstructured workload (h/w)	6.7
Total workload (h/w)	10

Module Evaluation

	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Quizzes	2	6% (6)	5 and 10	
Assignments	2	6% (6)	2 and 12	
Projects / Lab.	1	5% (5)	Continuous	
Report	1	5% (5)	13	
Midterm Exam	2 hr	18% (18)	7	
Final Exam	3 hr	60% (60)	16	
Total		100% (100 Marks)		

Learning and Teaching Resources		
	Text	**Available in the Library?**
Required Texts		Yes/No
Recommended Texts		Yes/No
Websites		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	The Definition of the Derivative Interpretation of the Derivative
Week 2	Properties of Derivative , Some laws of derivatives
Week 3	Properties of Derivative , Some laws of derivatives
Week 4	**Derivatives of the six trig functions**
Week 5	**Exponential Functions, Logarithm Functions**
Week 6	**Inverse Sine, Inverse cosine, Inverse tangent, Alternate Notation**
Week 7	**Mid-Term Exam**
Week 8	**Inverse Sine, Inverse cosine, Inverse tangent, Alternate Notation**
Week 9	These are the six hyperbolic trig Functions .and They are defined as
Week 10	There are two forms of the chain rule
Week 11	Defined , formula, and used the chain rule
Week 12	first derivative, second derivative, third derivative.
Week 13	the properties of logarithms

Week 14	Introduction, Critical Points and Minimum and Maximum Values
Week 15	**Preparatory Week**
Week 16	**Final Exam**

APPENDIX:

UNIVERSITYof Anbar				
GRADING SCHEME				
Group	**ECTS Grade**	**% of Students/Marks**	**Definition**	**GPA**
Success Group (50 - 100)	**A** - Excellent	Best 10%	Outstanding Performance	**5**
	B - Very Good	Next 25%	Above average with some errors	**4**
	C - Good	Next 30%	Sound work with notable errors	**3**
	D - Satisfactory	Next 25%	Fair but with major shortcomings	**2**
	E - Sufficient	Next 10%	Work meets minimum criteria	**1**
Fail Group (0 – 49)	**FX** – Fail	(45-49)	More work required but credit awarded	
	F – Fail	(0-44)	Considerable amount of work required	
Note:				

NB Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas 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.