

Template of Course Specification
Name of Course: **Mathematics I**

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	20% (20)	5, 10	LO #3, 4
	Assignments	10	20% (20)	1,2, 3,4,6,7,9, 11, 12,13	All
	Projects / Lab.		0% (0)		
	Report		0% (0)		
Summative assessment	Midterm Exam	3 hr	10% (10)	8,15	All
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered

Week 1	<p>Functions</p> <ul style="list-style-type: none"> -Vertical line test -Increasing and decreasing functions - common functions
Week 2	-Inequalities
	<ul style="list-style-type: none"> -Absolute Value -Combining Functions; Shifting and Scaling Graphs
Week 3	<ul style="list-style-type: none"> -Trigonometric Functions -Graphing with Software
Week 4	<ul style="list-style-type: none"> -Inverse Functions and Logarithms - Inverse Functions
Week 5	<ul style="list-style-type: none"> -Logarithms - Limits /Rates of Change and Tangents to Curves
Week 6	<ul style="list-style-type: none"> -Limits / The Precise Definition of a Limit - Limits / One-Sided Limits
Week 7	-Limits Involving Infinity; Asymptotes of Graphs
Week 8	<ul style="list-style-type: none"> -MID EXAM - Derivatives -Tangents and the Derivative at a Point - Differentiation Rules -The Chain Rule
Week 9	<ul style="list-style-type: none"> -Implicit Differentiation -Derivatives of Inverse Functions and Logarithms
Week 10	<ul style="list-style-type: none"> - Inverse Trigonometric Functions - Related Rates
Week 11	<p>Applications of Derivatives</p> <ul style="list-style-type: none"> -Extreme Values of Functions

Week 12	Monotonic Functions and the First Derivative Test - Concavity and Curve Sketching
Week 13	-Indeterminate Forms and L'Hôpital's Rule
Week 14	- Applied Optimization -Antiderivatives
Week 15	-MID EXAM
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

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Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جدا جيد	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: Marks 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.

