



Course Weekly Outline

Course Instructor	Asraa Y. Yousef				
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Title	Mathematics				
Course Number	One				
Credits:	3				
Lectures Hours:	3				
Practical Hours:					
Course Objective	Introducing students to the basics of mathematics according to the vocabulary of the mathematics curriculum for the first-stage students of the Department of Soil Sciences and Water Resources				
Course Description	The curriculum included definitions of matrices, their types, algebraic operations on matrices, and their most important applications. Then the definition of functions and their schemes, the definition of ends and their basic theories of continuity, then partial differentiation and derivation and integration.				
Prequests	Principles of mathematics				
Textbook References	1- George B. Thomas, 2003. Calculus and Analytic Geometry.				
Course Assessment	The first quarterly test	The second quarterly test	Final exam.		Final grade
			Theoretical	Practical	
	25	25	50	50	100
General Notes					

Course weekly Outline

week	Date	Topics Covered	Practical Part
1		Definition of Matrices.	
2		Types of Matrices	
3		Matrix solving applications	
4		functions	
5		Types of Functions and Their Schemes	
6		Theories	
7		Objectives and their basic Theories	
8		Continuity	
9		differentiation	
10		Differentiation types	
11		Partial derivation	
12		Types of partial derivation	
13		Integration	
14		Integration formulas	
15			

Instructor Signature:

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