

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Soil Sciences and
Water Resources

Stage: First

Lecturer name: Ahme S. Abdullah

Qualification: PhD

Place of work: Soil Sciences and
Water Resources

Flow up of implementation celli pass play

Course Instructor	Ahmed Sulaiman Abdullah				
E-mail	ahmed_alogaidi_eng@uodiyala.edu.iq				
Title	Mathematics 2				
Course Coordinator	Second Semester				
Course Objective	<ul style="list-style-type: none">• Enable students to think critically and find new solutions to problems using mathematics.• Develop the ability to apply mathematical concepts to realworld challenges in agriculture, such as improving productivity and reducing negative environmental impacts.• Engage in scientific research in agriculture and the environment, where agricultural research relies on the analysis and use of mathematical data and information				
Course Description	This course aims to deepen the student's knowledge of the basics of mathematics and includes the following basic topics: types of matrices, applications in solving matrices, functions and their diagrams, objectives and their basic theorems, continuity, differentiation, partial .differentiation, and integration				
Textbook	.George B. Thomas, 2003. Calculus and Analytic Geometry				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	40%		10%		50%
General Notes					

Republic of Iraq
The Ministry of Higher
Education
& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Horticulture
Stage: First
Lecturer name: Ahme S. Abdullah
Qualification: PhD
Place of work: Soil Sciences and
Water Resources

Week	Practical part	Theoretical part	Date	comments
1		The concept of matrices	13/11/2023	
2		The Range and Domain of Functions	20/11/2023	
3		Limits of Functions	27/11/2023	
4		Limits of Functions	04/12/2023	
5		Continuity	11/12/2023	
6		Continuity	12/12/2024	
7		Derivation of Function	18/12/2023	
8		Indefinite Integration	25/12/2023	
9		Integration of non-algebraic functions	08/01/2024	
10		Integration methods	15/01/2024	
11		Inverse matrix	22/01/2024	
12		Determinants	23/01/2024	
13		Differential equations and methods for solving them	29/01/2024	
14		Differential equations and methods for solving them	05/02/2024	
15		Review	12/02/2024	

توقيع العميد: أ.د. رائد ابراهيم خليل

توقيع الاستاذ: أ.م.د. احمد سليمان عبدالله