Republic of Iraq

The Ministry of Higher Education

& Scientific Research

بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

University: Diyala
College: Agriculture
Department: Field Crops
Stage: First
Lecturer name: Ahmed 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 and Statistics				
Course Coordinator	Second Semester				
Course Objective	• 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	Assignments	Quizzes	Project	Final Exam
	20%	20%	10%		50%
General Notes					

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بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

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

Flow up of implementation celli pass play

Week	Date	Theoretical part		comments
1	1 st week	**Function and its graphs**		
2	2 nd week	**The Range and Domain of Functions**		
3	3 rd week	**Limits of Functions**		
4	4 th week	**Continuity**		
5	5 th week	**Derivation of Function**		
6	6 th week	**Indefinite Integration**		
7	7 th week	**Derivative and integral of trigonometric functions and their properties**		
8	8 th week	**Derivative and integral of logarithmic functions and their properties**		
9	9 th week	**Statistical symbols**		
10	10 th week	**Display and summarize data**		
11	11 th week	**Frequency distribution tables**		
12	12 th week	**Graphical presentation**		
13	13 th week	**Normal distribution**		
14	14 th week	**Measures of central tendency**		
15	15 st week	**Measures of Dispersion or Variation**		

Instructor Signature:
Ass. Prof.Ahmed S. Abdullah

15/1/2025

Dean Signature:
Prof. Dr. Raaed Ibrahim Khalil

15/1/2025