

Republic of Iraq

The Ministry of Higher  
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala  
College: Agriculture  
Department: Horticulture and  
landscaping  
Stage: First  
Lecturer name: Mohammed Mezher  
Hasan  
Scientific title: Lecturer  
Qualification: Ph.D  
Place of work: College of Agriculture

### Flow up of implementation celli pass play

Course Instructor	Mohammed Mezher Hasan				
E-mail	<a href="mailto:mohammedmezher@uodiyala.edu.iq">mohammedmezher@uodiyala.edu.iq</a>				
Title	Engineering Drawing				
Course Coordinator	First semester (fall)				
Course Objective	1-getting to know the concept of engineering drawing 2-identification of the tools used in engineering drawing 3-the student should recognize the drawing scale 4-the student should be able to draw 5-the student should be able to imagine the drawing				
Course Description	1 - Introducing the science of engineering drawing and its importance in scientific and applied fields. 2 - Developing the student's ability to use engineering drawing tools. 3 - Teaching the student the correct methods of engineering drawing.				
Textbook	Engineering Drawing for the 1st year By R.B.Gupta Natic Sabri, 1995 engineering drawing for students of the Faculty of Agriculture, University of Mosul				
Course Assessments	Mid Exam	Quizzes	Assignments	Report	Final Exam
	%10	%10	%10	%20	%50
General Notes	Final grade 100%				

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the week	the date	Topics Covered	Practical Part	Notes
1		General definitions and basic concepts in engineering drawing - its importance - getting to know engineering drawing tools	General definitions and basic concepts in engineering drawing - its importance - getting to know engineering drawing tools	
2		Types of lines - their use - methods of signing dimensions	Types of lines - their use - methods of signing dimensions	
3		Drawing tangent lines, arcs and curves	Drawing tangent lines, arcs and curves	
4		Drawing ellipses	Drawing ellipses	
5		The three projection levels (vertical - horizontal - lateral) - Projection of simple geometric shapes such as triangles, squares and circles	The three projection levels (vertical - horizontal - lateral) - Projection of simple geometric shapes such as triangles, squares and circles	
6		Dividing the board and choosing the appropriate scale	Dividing the board and choosing the appropriate scale	
7		Finding the three projections - How to write dimensions	Finding the three projections - How to write dimensions	
8		Writing dimensions on the drawing - and common mistakes	Writing dimensions on the drawing - and common mistakes	
9		Drawing the three projections of the cylinder	Drawing the three projections of the cylinder	
10		How to draw solids - Angles of drawing solids	How to draw solids - Angles of drawing solids	
11		Drawing the cylinder in the solid shape	Drawing the cylinder in the solid shape	
12		Drawing the third projection with the information of two projections	Drawing the third projection with the information of two projections	
13		Derive the third projection - Drawing the solid An idea about the importance of sectors	Derive the third projection - Drawing the solid An idea about the importance of sectors	
14		Drawing the three projections	Drawing the three projections	
15		Comprehensive exercises for everything studied	Comprehensive exercises for everything studied	

Teacher's signature  
Dr. Mohammed Mezher Hasan  
15/1/2025

Dean's signature  
Prof. Dr. Raaed Ibrahim Khalil  
15/1/2025