

**Republic of Iraq**

**The Ministry Of Higher  
Education**

**& Scientific Research**



**University: Diyala**  
**College: agriculture**  
**Department: field crops science**  
**Stage:3rd**  
**Lecturer name: Nasir Salim Hassen**  
**Academic Status: Assistant**  
**Professor**  
**Qualification: Ph. D**  
**Place of work: Collage of**  
**Agriculture**

### **Flow up of implementation celli pass**

Course Instructor	<b>Nasir Salim Hassen</b>				
E-mail	<a href="mailto:nasirsalimhassen@gmail.com"><u>nasirsalimhassen@gmail.com</u></a>				
Title	<b>Field crops mechanization</b>				
Course Coordinator					
Course Objective	<b>Identify the importance of field crops mechanization and types of equipment and their uses in the field</b>				
Course Description	<b>An Introduction to Agricultural Mechanization - The role of mechanization in agricultural- the advantages of agricultural mechanization- Mechanized Crops – types of equipment used in the field</b>				
Textbook	<b>Field Crops Mechanization</b>				
Course Assessments	<b>Final Exam</b>		<b>Coz</b>	<b>Practical part</b>	<b>Theoretical part</b>
	<b>60%</b>		<b>%5</b>	<b>15%</b>	<b>20%</b>
General Notes					

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week	Date	Topics Covered	Practical Part
1	1 st week	Topics Covered	Lab. Experiment Assignments
2	2 nd week	Introduction to the field crops mechanization and its importance - the principles of field crops mechanization and basic terms about the equipment	Classification of the field crops mechanization equipment
3	3 rd week	Soil preparation equipment	Types of soil preparation equipment
4	4 th week	Fertilizing equipment	Types of fertilizing equipment
5	5 th week	Sowing, Planting and Transplanting equipment	Types of sowing, planting and transplanting equipment
6	6 th week	Irrigation equipment	Types of irrigation equipment
7	7 th week	planting equipment between plant lines	Planting equipment types of between plant lines
8	8 th week	Crop Protection equipment	Types of crop protection equipment
9	9 th week	Grain harvesters	Types of grain harvesters
10	10 th week	Harvesting equipment for growing crops	Types of harvesting equipment for growing crops
11	11 th week	Cotton harvesters	Types of cotton harvesters
12	12 th week	Agricultural crops handling and transport equipment	Types of agricultural crops handling and transport equipment
13	13 th week	Agricultural crop cleaning and grading equipment	Types of agricultural crop cleaning and grading equipment
14	14 th week	Crop drying and storage equipment	Types of crop drying and storage equipment
15	15 th week	Green fodder preparation equipment	Types of green fodder preparation equipment
		Estimating the farm's need for tractors and agricultural equipment	Examples on estimating the farm's need for tractors and agricultural equipment

Instructor Signature  
Ass.Prof. Nasir Salim Hassen  
2025/1/15

Dean Signature  
Prof. Dr. Raaed Ibrahim Khalil  
2025/1/15