

Description of the course of the Legume Crops

Course Name:					
Legume Crops					
Course Code:					
LEGC310					
Semester/Year					
Second / 2025					
Date this description was prepared					
15 January 2025					
Available attendance forms					
Compulsory					
Number of Credit Hours (Total)/ Number of Units (total)					
Number of hours = 2 theoretical and 3 practical , number of units = 3					
Name of the course administrator (if more than one name is mentioned)					
Dr. Ahmed Yassin Hassan Othman Nassif Jassim					
Course Objectives					
This course aims to deepen the student's knowledge of the agricultural environment of each type, the obstacles to production and the appropriate ways to invest it, ways to develop seed production of crops					
Teaching and Learning Strategies					
<ol style="list-style-type: none"> 1- Provide students with additional basics and topics related to previous education outcomes to learn the foundations of learning and application in the curriculum of pulses crops. 2- Enabling students to obtain knowledge of the characteristics of their types and food components. 3- Enabling students to obtain knowledge of how pulse crops respond to ideal environmental conditions for growth and seed crop formation 4- Enabling students to know the ways and means to improve the agricultural reality and the quantitative and qualitative production of pulse crops. 					
Course Structure					
Week	Credits	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluation Method
1	2	The economic importance of legume crops	Legume Crops	Explanation, Model Presentation and Lecture	Exam
2	2	The importance of legumes in human nutrition and their content of various compounds	Legume Crops	Explanation, Model Presentation and Lecture	Exam
3	2	Atmospheric nitrogen fixing bacteria	Legume Crops	Explanation, Model Presentation and Lecture	Exam

4	2	Overlapping agriculture	Legume Crops	Explanation, Model Presentation and Lecture	Exam
5	2	Beans in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
6	2	Lentils are safe in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
7	2	Chickpeas in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
8	2	Cattle in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
9	2	The field is poor in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
10	2	Soybeans in terms of economic importance, global and Arab production, appropriate	Legume Crops	Explanation, Model Presentation and Lecture	Exam

		environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests			
11	2	Beans in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
12	2	Cowpeas in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
13	2	Basalia is safe in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
14	2	Hartmann and beans in terms of economic importance, global and Arab production, appropriate environmental conditions, crop cultivation in Iraq, agricultural cycle, chemical composition of seeds, nutritional value and the most important pests	Legume Crops	Explanation, Model Presentation and Lecture	Exam
15	2	Raising and improving important legume crops.	Legume Crops	Explanation, Model Presentation and Lecture	Exam

Practical Part					
a Fora week	Credi ts	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluatio n Method
1	3	An introduction to the most important cultivated legumes in Iraq	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day
2	3	Botanical Description	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day
3	3	Storage and Seeds	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day
4	3	Agricultural processes from preparing the land and methods of cultivation	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day
5	3	Plant Service Operations Patching, Slipping, Fertilizing and Irrigation	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day
6	3	Maturity and harvesting: -	Legume Crops	Case history Brainstorming Debating and discussing	Examinati ons Daily and Monthly Final and Reports day

7	3		Legume Crops	First Quarter Examination	
8	3	Ingredients for the crop of beans	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
9	3	Ingredients of the crop of lentils	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
10	3	Ingredients for Chickpea Crop	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
11	3	Ingredients for the bean crop	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
12	3	Ingredients for the cattle crop	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
13	3	Ingredients for the crop of cowpeas and basalt	Legume Crops	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports day
14	3	Wrapping up	Legume Crops	Case history Brainstorming Debating and discussing	Examinations

					Daily and Monthly Final and Reports day
15	3		Legume Crops	Second Quarter Examination	

Course Evaluation

EXAMINATIONS

Daily exams with discussion questions within the lecture
Degree of participation in questions related to the subject

Learning and Teaching Resources;

Required textbooks (methodology if any)

Key References (Sources)

- 1- Legume crops . Dr. Hamid Glob Ali and Dr. Hamed Jadaan and Dr. Talib Ahmed Issa .
- 2.The field crops _ principles and a practice
- 3- Agronomy journal.
4. Websites, Articles, FAO reports .

Recommended supporting books and references (scientific journals, reports)

Iraqi academic scientific journals

E-References, Websites