

Course Description Form

1. Course Name:	
Forage and pasture crops	
2. Course Code:	
FOCR213	
3. Semester / Year:	
spring semester/ 2024-2025	
4. Description Preparation Date:	
15/1/2025	
5. Available Attendance Forms:	
Attending	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2 hours of theory and 3 hours of practical work per week for 14 weeks, number of units: 3.5 units.	
7. Course Administrator's Name (Mention All, If More Than One Name)	
Name : Hassan Ali Majeed Osman Naseef Jassim Email : hasanmajeed@uodiyala.edu.iq	
8. Course Objectives	
Course Objectives: Graduating students who are able to:	It aims to identify the most important fodder crops grown globally, whether seed or vegetable, natural or cultivated pastures, by studying their economic importance, their original habitat, their production area, their environmental and agricultural
9. Teaching and Learning Strategies	
Strategy	14 weeks of face-to-face lectures, including two monthly exams, daily exams and scientific reports.

10. Course Structure

Theoretical part

Week	Hours	Required learning outcomes	Unit or Subject	Learning Method	Evaluation Method
1	2	Historical overview of forage crops	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
2	2	Economic importance of forage crops	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
3	2	Legumic forage crops	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
4	2	Annual clover	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
5	2	Egyptian clover	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
6	2	Exam 1	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
7	2	Forage beans	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
8	2	Forage hartaman	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
9	2	White corn	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
10	2	Forage mixtures	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
11	2	Forage crop breeding	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
12	2	Exam 2	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
13	2	Forage crop mechanization	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports

14	2	Forage manufacturing	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
15	2	Seed production	Forage and pasture crops	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
Practical part					
Week	Hours	Required learning outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	3	Field visit to identify forage crops	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
2	3	Identification of forage crop seeds	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
3	3	Botanical description of geranium	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
4	3	Botanical description of clover	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
5	3	Botanical description of karat	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
6	3	Exam 1	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
7	3	Botanical description of white corn	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
8	3	Botanical description of yellow corn	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
9	3	Botanical description of barley	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports

10	3	Qualitative evaluation of forage crops	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
11	3	Haymaking	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
12	3	Exam 2	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
13	3	Observation of forage crop plants	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
14	3	Botanical description of oats	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
15	3	Silag making	Forage and pasture crops	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports

11. Course Evaluation

Daily, monthly and final exams and daily reports

12. Learning and Teaching Sources

Required Textbooks (Curricular Books, If Any)	Book of Forage Crops and Pastures Muhammad Sayed Ramadan Book of Forage Crops Ramadan Ahmed Al-Takriti
Main References (Sources)	Recent articles from the Internet, specialized scientific journals, the Iraqi Journal of Agricultural Sciences, and the virtual library.
Recommended Books and References (Scientific Journals, Reports...)	Iraqi academic journal
Electronic References, Websites	Forage Crops Ali Al-Dajwi, Forage and Fiber Crops in America Thomas Forsyth Hunt