Course Description for Principles of Field Crops

1. Course:

Principles of Field Crops

2. Course Code:

PRIF 107

3. Semester / Year: Annual

First for the academic year 2023-2024

4. The history of preparation of this description

28-3-2024

5. Available Forms of Attendance:

Full time (theoretical lecture and practical lecture) weekly

6. Number of Credit Hours (Total) / Number of Units (3):

2 hours theoretical and 3 hours practical per week for 14 weeks

7. Course administrator's name (if more than one name)

1- Dr. Omar Ali Ahmed

2- Assistant teacher. Enas Abd-alrahem

8. Course Objectives

.Definition of crops science and the methods of divided the crop -

Most important crops and the Families of them

Environmental factors affecting crop production

Agriculture practises from planting until harvest

9. Teaching and Learning Strategies

1- Explanation and clarification

2- Lecture method

3- Student Groups

4- Self-learning method

10. Course Structure

Theoretical part

Evaluation method	Learning method	Unit or subject name	Required Learning Outcomes	Hours	The week
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Definition of Field crops and the methods of Divided crops	2	1
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Botanical description of the most important field crops	2	2
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Environmental factors and their effects on the growth of	2	3

			field crops (Climatic factors)		
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Environmental factors and their effects on the growth of field crops (Soil and biological factors)	2	4
First exam					5
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Land preparation for planting (First)	2	6
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Land preparation for planting (Second)	2	7
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Seeds, germination and seed storage	2	8
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Weeds and weed control methods	2	9
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Agricultural Rotations	2	10
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Introduction of crop breeding methods	2	11
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Enhanced seed production of field crops	2	12
Second Month Test					13
Exam	Explanation and presentation of the model and lecture	Principles of field crops	The most important annual crops in Iraq	2	14

Practical par					
Evaluation method	Learning method	Unit or subject name	Required Learning Outcomes	Hours	The week
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Watching and drawing some field crop plants - scientific and English names	3	1
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Differentiation of crop seeds	3	2
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Germination and environmental factors	3	3

Exam	Explanation and presentation of the model and lecture	Principles of field crops	Soil preparation	3	4
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Tillage, leveling and agricultural practices	3	5
First Month Test					6
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Fertilizers & Fertilization		7
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Agricultural practices of field crops	3	8
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Irrigation & Drainage	3	9
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Weeds and chemical weed control , Winter & Summer Weeds	3	10
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Moccasins and patchwork	3	11
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Grain scale	3	12
Second Month Test					13
Exam	Explanation and presentation of the model and lecture	Principles of field crops	Field visit	3	14

11. Course Evaluation

Daily and monthly tests, reports and student effectiveness during the lecture.

12. Learning and Teaching Resources

Basics of field crops. Ministry of Higher Education and Scientific Research. University of Baghdad - Hatem Jabbar Attia 1989.	Required textbooks (methodology, if any)
Scientific foundations for the management, production and improvement of field crops - Ministry of Higher Education. Iyad Hussein Ali - Mohammed Owaid Ghadeer 2018	Main references (sources)
Academic Scientific Journals	Recommended books and references (scientific journals, reports...)
	Electronic References, Websites