



Department of field crops

College of Agriculture

University of Salahaddin

Subject: Grain Legumes

Course Book – (Year 3)

Lecturer's name theory: Dr. Krmanj Yousif Naby

Practical (Jwan Jawdat Hashim)

Academic Year: 2022/2023

Course Book

1. Course name	Spring
2. Lecturer in charge	Dr. Krmanj Yousif Naby
3. Department/ College	Field Crops/ Agriculture
4. Contact	e-mail: krmanj.yousif.naby Tel: 075047013 47
5. Time (in hours) per week	Practical: 6 hours / week
6. Office hours	Availability of the lecturer to the student during the week Probably from three to four times per week if I have not lecture, or /and if the students asked me always I will be at office as I could.
7. Course code	
8. Teacher's academic profile	<p>PERSONAL DATA</p> <ul style="list-style-type: none"> Date of Birth:10/16/1984 Sex: male Nationality: Iraqi <p>EDUCATION</p> <p>Scientific Degree: Year / Research Subject / University</p> <ul style="list-style-type: none"> B.SC : Year / Research Title / University 2006/ plant production / College of Agriculture/ University of Salahaddin/ Kurdistan Region/ Iraq. M.SC : Year/ Research Title / University 2013/ Field Crops/ Crop production College of Agriculture/University of Salahaddin/ Kurdistan Region/ Iraq <ul style="list-style-type: none"> PhD : 2020/ Weed Control/ Agriculture engineering Sciences. <p>Training:</p> <p>1- Language Center - Salahaddin University</p> <p>MEMBERSHIP OF PROFESSIONAL ASSOCIATION:</p> <ul style="list-style-type: none"> Teachers Association Agricultural Engineers Syndicate <p>COMPUTER SKILLS:</p>

	<ul style="list-style-type: none"> • Word • Excel • Power point <p>LANGUAGES</p> <table border="1"> <thead> <tr> <th>Language</th> <th>Written</th> <th>Speaki</th> <th>Comprehension</th> </tr> </thead> <tbody> <tr> <td>Kurdish:</td> <td>Excellent</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>English:</td> <td>Good</td> <td>Good</td> <td>Good</td> </tr> <tr> <td>Arabic:</td> <td>Good</td> <td>Good</td> <td>Good</td> </tr> </tbody> </table>	Language	Written	Speaki	Comprehension	Kurdish:	Excellent	Excellent	Excellent	English:	Good	Good	Good	Arabic:	Good	Good	Good
Language	Written	Speaki	Comprehension														
Kurdish:	Excellent	Excellent	Excellent														
English:	Good	Good	Good														
Arabic:	Good	Good	Good														
<p>9. Keywords</p>	<p>An introduction to crop production, pulse reproduction, Plant description for each pulse crop, Agriculture practice for each pulse crops.</p>																
<p>10. Course overview: To instruction the students most important of plant description of pulses crop.</p>																	
<p>11. Course objective: The students able to</p> <ol style="list-style-type: none"> 1. Explain and describe every part of plant. 2. Learn the student to different plant from each other. 																	
<p>12. Student's obligation The student should be attendant for all lectures and comply of all tests or practices during the course and they must comply the exams and assignments. The student also shall participate in class activities and present reports on subjects that I choose or they choose by their selves.</p>																	
<p>13. Forms of teaching Generally data show will be used with power point, white board and paper of the lecture is also use.</p>																	
<p>14. Assessment scheme Breakdown of overall assessment and examination There are two monthly examinations and every week there is a quiz at the beginning of the lecture or sometimes at the end of the lecture. At the end of the course the students shall present a report. Classroom participation and assignments (Total: 15%), exam 10% and 5% for quizzes and student participation and attendance. Final exam: 20%</p>																	
<p>15. Student learning outcome: EXPECTED LEARNING OUTCOMES Upon completion of Pulse crop students will ...</p>																	

1. Identify different families of Crops plant and most important groups, varieties or cultivars of each family. Describe the importance and uses of different type of crops .

2. Identify the major differences between Crops Plant according to method of training and pruning method of harvesting and quality and quantity of fertilizer the plants

3. Discuss the need of market to these productions of Crops and how to arrive them to the market with high quality at write time and how to store them

16. Course Reading List and References:

1. Barbados M (2002), Illinois agronomy handbook, Univ. of Illinois at Urbana-campaign.
2. Martin J. H, R. P. Waldren & D. L. Stamp (2009), Principals of field crop production, 4th edition. Pearson prentice Hall & Martin Waldren Stamp.
3. Simpson M. G. (2006), Plant systematic, Elsevier academic press, Oxford, UK.
4. Sharma P. D. (2009), Ecology & environment. second reprinting, 10th edition. Rastogi publications, New Delhi.
5. Singh V., P. C. Pande & D. K. Jain (2008) A text books of botany angiosperms. 3rd edition. Rastogi publications, New Delhi.
6. <http://www.GeoChemBio.com>.

<http://www.knowledgeblank.irri.org.url>

17. The Topics:	Lecturer's name
Pulses (Legume Crops)	Lecturer's name ex: (3hrs)
Nitrogen Fixation	
intercropping	
<i>Vicia faba</i> plant	
<i>Cicer arietinum</i> plant	
Visiting to Grdarasha Field	
First Examination.	
<i>Lens esculenta</i> plant	

<i>Vigna radiata</i> plant		
Review & General Discussion?		
18. Practical Topics (If there is any)		
We went with the students of the field to the hybridization process of self-pollination of plants and plant humoral pollination of plants and plant wheat yellow corn		Lecturer's name ex: (3-4 hrs)
19. Examinations: What is the reason of the followings:- 2. Put (T) for true statement and (F) for false statement then correct the mistakes. 3. Compare each of the () and () 4. Explain the difference between () and () 5. Choose correct answer (single choice or multiple choice) 6. Draw a scheme or picture of () 7. Describe two ways of () 8. Describe three different practices that can be used to () 9. Identify and explain two problems that might occur as a result of the use of () 10. What are the advantages and disadvantages of () 11. List three ways of () 12. Fill in the blanks with suitable terms: 13. Correct the underlined parts if they are fall:		