



Department of Plant Protection College of

Agricultural Engineering Sciences

Salahaddin University

Subject: Field crop diseases

Course Book – (Year 4)

Lecturer's name: Nask Sherzad Salh

Academic Year: 2022/2023

Course Book

1. Course name	Field crop diseases
2. Lecturer in charge	Nask Sherzad Salh
3. Department/ College	Plant protection department/ Agricultural Engineering Sciences
4. Contact	e-mail: nask.salh@su.edu.krd . Tel: 009647507176155
5. Time (in hours) per week	3
6. Office hours	(8:30-11:30) (11:30-2:30)
7. Course code	
8. Teacher's academic profile	Born on:30 June 1986 Baghdad/ Iraq *B.Sc. Agriculture Plant Protection, University of Salahaddin-Erbil, 2008-2009) *M.Sc. Plant Pathology/Plant Protection, University of Salahaddin-Erbil, 2015 Work History: In plant protection.3rd of the 10th BSc degree , started working as an academic staff (teaching assistant),getting MSc. Degree In plant pathology in 2015 and working as an assistant lecture in department until now. As an Assistant Lecturer, I was teaching: 1. Principles of plant pathology for 1st stage students. 2016-2017 2. Postharvest Diseases for 3rd stage students. 2016-2017 3. Microbiology for 2nd stage students. 2019-2020 4. Field crop diseases for 4th stage 2019-2020 Field crop dis. For 4 th stage 2021-2022 All in plant pathology department
9. Keywords	Field crop diseases, cereal diseases, rust, smuts, powdery mildew, fusarium, rice, corn diseases, pea diseases, diseases symptoms and, sings.
10. Course overview:	Students will learn about Field crop diseases heavily annual losses are caused by plant pathogens that attack these crops wherever they are grown studying these pathogens and depending upon symptoms appearance and microscopic features, disease cycles and their developments, the disease diagnoses of the causals are possible
11. Course objective:	Recognition of the disease, and understanding of the pathogen(s) responsible, is the first step in successful disease control. As a result of this course, the student will learn the importance of field crop diseases. Get knowledge about many worldwide important diseases, particularly the most common
	cereal crops grown under local conditions. Description of the disease, including the causal agent, symptoms, environmental conditions favorable for the disease development and provide a good control working knowledge.

12. Student's obligation

Should be prepared for quizzes in the beginning of each lab. for the previous lab's content.

Collect diseased plants samples and identify in the lab.

Write a report about a plant disease.

13. Forms of teaching

The lecturer will use data show by preparing PowerPoint presentations in which outlines of each lecture will be shown however the details of the lecture will be narrated by the lecturer herself. In some cases, samples will be shown to students to have a close and real idea on The subject. Work in laboratory.

14. Assessment scheme

. The practical part is given 35 marks in total.

15. Student learning outcome:

As a result of this course, the student will learn the importance of field crop diseases. Get knowledge about many worldwide important diseases, particularly the most common cereal crops grown under local conditions. Description of the disease, including the causal agent, symptoms, environmental conditions favorable for the disease development and provide a good control working knowledge.

16. Course Reading List and References:

- Key references:

17. The Topics:

1. **Introduction**

2. **Cereal diseases**

- The Rusts

The Smuts

Powdery mildew - Spot blotch (Foot Rot) –

Septoria –

Net blotch –

Wheat streak mosaic virus (WSMV) –

Barley yellow dwarf virus (BYDV) –

Root Lesion Nematodes

3- Rice diseases

Rice blast

Seedling blight (different fungi)

Brown spot

Sheath blight

4- Corn diseases

Common smut

Head smut

Southern corn leaf blight

Common corn rust

Fusarium kernel or ear rot

Stewart’s bacterial disease

1stExam	
5-Cotton diseases	
<input type="checkbox"/> Verticillium wilt	
<input type="checkbox"/> Root rot	
<input type="checkbox"/> Fusarium wilt	
<input type="checkbox"/> Pythium damping off	
<input type="checkbox"/> Bacterial blight	
6- Pea diseases	
<input type="checkbox"/> Ascochyta	
<input type="checkbox"/> Powdery mildew	
<input type="checkbox"/> Damping off	
<input type="checkbox"/> Stem and root rot	
<input type="checkbox"/> Fusarium wilt	
<input type="checkbox"/> Seedborne mosaic virus	
Soybean diseases	
<input type="checkbox"/> Rhizoctonia root rot	
<input type="checkbox"/> Septoria brown spot	
<input type="checkbox"/> Downy mildew	
<input type="checkbox"/> Powdery mildew	
<input type="checkbox"/> Cyst nematode	
<input type="checkbox"/> Bacterial blight	
<input type="checkbox"/> Soybean Mosaic Virus	
2nd Exam	
Visiting different fields and collecting diseased plant samples to identify in the lab	
19. Examinations:	
1. Definitions	
2. Write the scientific name of?	
3. What are the differences between:	
20. Extra notes:	

21. Peer review

I approve that the course is comprehensive and cover all the aspects of the course.

Name:

Degree:

Specialty:

Sign:

Date: