

Republic of Iraq

The Ministry Of Higher  
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Science Field Crops

Stage: third

Lecturer name: Mohammed N. K.

Academic Status: Ass. prof.

Qualification: Master

Place of work: College

Agriculture/ University of Diyala

## Flow up of implementation celli pass play

<b>Course Instructor</b>	<i>Mohammed Nadeem Kasim Hantoosh</i>				
<b>E_mail</b>	<a href="mailto:mohammedalhashime1982@gmail.com"><i>mohammedalhashime1982@gmail.com</i></a>				
<b>Title</b>	<i>Field crop diseases</i>				
<b>Course Coordinator</b>	<i>Autumn course</i>				
<b>Course Objective</b>	<i>The student should be learning the concept of plant disease and be able to distinguish between types of field crop diseases and methods of control them, and know the scientific methods used to reduce the damage of diseases, and the student should evaluate the cost of chemical control, the type of pesticides used, and the devices used in control.</i>				
<b>Course Description</b>	<i>Identifying the biotic and abiotic factors that cause field crop diseases and identifying the most important diseases that various field crops are exposed to and how to reduce them using appropriate scientific methods.</i>				
<b>Textbook</b>	<i>1. Plant diseases. Abdul Hamid Khaled 2. Fundamentals of Plant Disease. Gerges, Maysar Majeed, Raqib Akef Hamad and Ayad Abdul Wahid Al-Hiti.</i>				
<b>References</b>	<i>1. Fundamentals of Plant Pathology 1995, Robert Daniel 2. Phytopathology, Agrios G., 2005</i>				
<b>Course Assessment</b>	<i>final</i>	<i>report</i>	<i>coz</i>	<i>Lab</i>	
	<i>%60</i>	<i>%5</i>	<i>%5</i>	<i>%10</i>	<i>%20</i>
<b>General Notes</b>					

## Course weekly Outline

<b>week</b>	<b>Date</b>	<b>Topics Covered</b>	<b>Lab. Experiment Assignments</b>	<b>Notes</b>
		<i>Theoretical</i>	<i>Lab.</i>	
<i>1</i>		<i>Economic importance of field crop diseases</i>	<i>Laboratory tools and equipment in the field crop diseases laboratory</i>	

2		<i>Field Crop Pathogens</i>	<i>Symptoms and Signs</i>	
3		<i>Wheat diseases: Root rot and seedling drop, powdery mildew, downy mildew, stem rust, leaf rust, stripe rust, covered smut, loose smut</i>	<i>Study of symptoms and signs of wheat diseases</i>	
4		<i>Wheat diseases: - Smut, Septoria leaf blotch, storage rot, black spot, ear blight, grain warts, wheat mosaic</i>	<i>Study of symptoms and signs of wheat diseases</i>	
5		<i>Barley diseases</i>	<i>Study of symptoms and signs of barley diseases</i>	
6		<i>Rice diseases</i>	<i>Study of symptoms and signs of rice diseases</i>	
7		<i>Yellow corn diseases</i>	<i>Study of symptoms and signs of yellow corn</i>	
8		<i>White corn diseases</i>	<i>Study of symptoms and signs of white corn diseases</i>	
9		<i>Diseases of oil crops Sunflower diseases</i>	<i>Study of symptoms and signs of sunflower diseases</i>	
10		<i>Sesame and safflower diseases</i>	<i>Study of symptoms and signs of sesame and safflower diseases</i>	
11		<i>Legume crop diseases</i>	<i>Study of symptoms and signs of the most important legume crop diseases</i>	
12		<i>Sugar crop diseases</i>	<i>Study of symptoms and signs of the most important sugar crop diseases</i>	
13		<i>Fiber crop diseases</i>	<i>Study of symptoms and signs of the most important fiber crop diseases</i>	
14		<i>Forage crop diseases</i>	<i>Study of symptoms and signs of the most important forage crop diseases</i>	
15		<i>Tobacco diseases</i>	<i>Study of symptoms and signs of Tobacco diseases</i>	



Instructor Signature:

Ass. Prof. Mohammed N. K. Hantoosh

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Ph.D. Raed Ibrahim Khalel