



Course Description Form

1. Course Name:	
Diseases of Horticultural Plant	
2. Course Code:	
DIHP313	
3. Semester / Year:	
2 nd Semester 2023–2024	
4. Description Preparation Date:	
1/2/2024	
5. Available Attendance Forms:	
In presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
1 theoretical + 3 practical / 3.5 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Prof. Huda Hazim Wafi Email: dr.huda@uomosul.edu.iq Name: T. A. Noor Salah Ahmed	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> Objectives of the course Ask questions of conclusiveness at all Development of training programmes Finding solutions to students' problems and constraints in the uncle Enabling students to find solutions and applications for outstanding attitudes
9. Teaching and Learning Strategies	
Strategy	- Provide students with additional basics and topics related

biological resistance

- Students asked a range of questions during the course
- Giving students home duties requires self-explanations ways of cause

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Introduction to the basics of plant diseases (The concept of plant disease, stages of disease development).	Introduction to the basics of plant diseases		
2	1	Identify, classify and describe pathogens.	Diagnosis of plant diseases and pathogenic characteristics		
3	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Diseases of apple and pear		
4	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Stone nuclei diseases		
5	1	Identify the disease symptoms and the scientific name of the cause and its description.	Olive tree diseases		

		Life cycle of the pathogen and how to combat it			
6	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Diseases of the Cucurbita family Wilt , powdery mildew , downy mildew disease, bacterial wilt disease, cucumber mosaic disease		
7	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Diseases of the Solanaceae family Late blight on tomatoes and potatoes, early blight on tomatoes and potatoes, white mold on eggplant		
8	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Complementary diseases of the Solanaceae family: Fusarium wilt disease, Powdery mildew, sudden seedling death, dodder, Orobanche, nematode root knot disease		
9	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Amaryllidaceae family diseases White mold disease, basal rot in onions and garlic, purple blight in onions.		
10	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the	Complementing Amaryllidaceae family diseases, neck rot in onions, Black mold disease and slippery skin disease in onions.		

		pathogen and how to combat it			
11	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Diseases of the Compositae family		
12	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it Definition of physiological diseases and their types	Diseases of ornamental plants and fruits grown in greenhouses. Physiological diseases		
13	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Grape diseases		
14	1	Identify the disease symptoms and the scientific name of the cause and its description. Life cycle of the pathogen and how to combat it	Citrus tree diseases		
15	1	Displaying and discussing posters and opening the discussion with	General review		

		students to review the scientific material, answer questions, and conduct a questionnaire			
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Practical

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Identify laboratory equipment	Plant pathology laboratory	Operating laboratory equipment	Exam
2	3	Learn about food media and how to prepare them	Culture media	Preparing the nutrient medium and isolating the pathogens on the medium	Exam
3	3	Identify the pathogens	- Concept of plant disease - Symptoms and sign of diseases		Report's
4	3	Disease symptoms and signs	Diseases of apple and pear	Bring samples to the laboratory to identify symptoms and signs	Exam
5	3	Diagnosing diseases in the field	Stone nuclei diseases	Display device + bringing samples for examination in the laboratory	Report's
6	3	Diagnosing diseases in the field	Olive tree diseases	Display device + bringing samples for examination in the laboratory	Report's
7	3	Diagnosing diseases in the field	Diseases of the cucurbit family	A tour of the university campus to learn about diseases affecting olives and citrus fruits	Report's
8	3	Diagnosing diseases in the field	Diseases of the Solanaceae family	A field tour to identify symptoms and bring samples for examination in the laboratory	Report's
9	3		Scientific visit		Report's
10	3	Diagnosing diseases in the field	Narcissistic family diseases	Display device + bringing samples for examination in	Report's

				the laboratory	
11	3	Diagnosing diseases in the field	Compound family diseases	Display device + bringing samples for examination in the laboratory	Report's
12	3	Diagnosing diseases in the field	- Diseases of ornamental and fruit plants grown in greenhouses - Physiological diseases	A tour inside the greenhouses of the College of Agriculture and Forestry and bringing samples to the laboratory for examination	Report's
13	3	Diagnosing diseases in the field	Grape diseases	A tour inside the greenhouses of the College of Agriculture and Forestry and bringing samples to the laboratory for examination	Report's
14	3	Diagnosing diseases in the field	Citrus tree diseases	A tour inside the greenhouses of the College of Agriculture and Forestry and bringing samples to the laboratory for examination	Report's
15	3		Field lab.		Field project

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Orchard and vegetable diseases - Dr. Samir Mikhail, Dr. Abdel-hamid Tarabiyah, and Dr. Abdel-Jawad Al-Zarari - University of Mosul
Main references (sources)	- Diseases of orchards and forests - University of Aleppo - Plant diseases - Dr. Muhammad Amer Fayyad and Dr. Muhammad Hamza - University of Basra
Recommended books and references (scientific journals, reports...)	Modern scientific research - and scientific journals Plant diseases – plant pathology
Electronic References, Websites	

Prof. Huda Hazim Wafi

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Prof. Dr. Asmaa Muhammad Adel



Head of the Scientific Committee
Prof. Dr. Nabil Muhammad amin Al-Alamam