

الجامعة الاردنية

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Form:	Form Number	EXC-01-02-02A
Course Syllabus	Jacua Number and Date	2963/2022/24/3/2
	Issue Number and Date	5/12/2022
	Number and Date of Revision or Modification	2/(10/12/2023)
	Deans Council Approval Decision Number	50/2023
	The Date of the Deans Council Approval Decision	26/12/2023
	Number of Pages	06

17. Course Coordinator:

1.	Course title	Plant Fungal Diseases			
2.	Course number	(606222)			
3.	Credit hours	3			
5.	Contact hours (theory, practical)	2 hour lectures, 3 hours' lab. / week			
4.	Prerequisites/corequisites	General mycology, plant disease course and principle of plant protection			
5.	Program title	Plant Protection			
6.	Program code				
7.	Awarding institution	The University of Jordan			
8.	School	School of Agriculture			
9.	Department	Department of Plant Protection			
10.	Course level	2 ^{ed} and 3 ^{red}			
11.	Year of study and semester (s)	First Semester 2023/2024			
12.	Other department (s) involved in teaching the course				
13.	Main teaching language	English			
14.	Delivery method	■Face to face learning Blended Fully online			
15		□Moodle ■Microsoft Teams □Skype □Zoom			
15.	Online platforms(s)	Dthers			
16.	Issuing/Revision Date	2/10/2024			



Office numbers, office hours, phone numbers, and email addresses should be listed.

Office number: 181 Sunday 2-3 Tuesday 1-2.

Phone number:0777714813

Email:m.tahat@ju.edu.jo

monthertahat@gmail.com

18. Other instructors:

Name: Eng. Wafa Nasir, Lab instructor

Office number: 40

Phone number: 22521

Email: W.nasir@ju.edu.jo

Contact hours: Monday 11-3

19. Course Description:

As stated in the approved study plant. The course amid to introduce the symptoms and signs, pathogen biology, disease management, and scientific, economic and social significance of major plant fungal diseases in Jordan and other countries around.



20. Course aims and outcomes:

- Aims:

1-To understand the disease development of vegetables, fruit trees, field crops and ornamentals.

2-To understand the life cycle of fungal pathogens of horticultural crops.

3-To understand the different factors regarding epidemiology, disease spread and favourable environmental conditions of fungal diseases.

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

	1	1	-	4	-				
PLOs	1	2	3	4	5	6	7	8	9
SLOs of the course									
1.Know Plant fungal pathogens (causal agents,	V		V						
structures, lifecycle)									
2.Understand the different factors regarding	٧								
epidemiology, disease spread and favorable									
environmental									
3.Understand the diseases symptoms, identifications,	V								
and isolations									
4. Differentiate between fungal diseases and other		V							
micro-organisms diseases causal agents.									
5. Realize the different components of disease					٧	٧			
development.									
6. Recognize factors regarding the disease		٧							
epidemiology.									
7. Integrate dfferent approaches for fungal disease				٧	V				
management in the field.									
8. Know the risk of fungal diseases distributions.		٧	٧	٧	٧				
9. Evaluate diseases control and management methods.				٧	٧	٧			
10.Work within a team							٧	٧	٧

PLOS

After the successful completion of this program student should be able to:

- 1. Demonstrate a depth in understanding of the fundamental knowledge and skills required in the field of Plant Protection sciences, which include weeds, insects, mites, fungi, bacteria, viruses and nematodes.
- 2. Identify and distinguish harmful and beneficial weeds, insects, mites, fungi, bacteria, and nematodes.
- 3. Predict the outbreaks of pests and determine the level of infection based on skills gained in the field of Plant Protection Sciences.
- 4. Recognize different techniques (biological, chemical, cultural, and physical) in pest control.
- 5. Design and develop appropriate management strategies of pests in an environmentally friendly manner.
- Participate efficiently in agricultural projects in the field of pest management in various public and private sectors in Jordan and worldwide.
- 7. Communicate effectively in written, oral, and graphical forms.
- 8. Employ the gained skills in communication and serving different communities.
- Commit to ethics and compliance responsibilities for being an agricultural engineer, especially with regard to
 agricultural sector, environment and society.



Week	Lecture	Торіс	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction:The Concept of Plant Diseases	4	Face to Face		Synchronous	Exams or quizzes	Plant Pathology 2005 , Principles of plant diseases, scientific articles
	2.1	Introduction:The Concept of Plant Diseases	4	Face to Face		Synchronous	Exams or quizzes	Plant Pathology 2005,
2	2.2							Principles of plant diseases, scientific articles
	3.1		1.2. 3.	Face to Face		Synchronous	Exams or quizzes	Plant Pathology
3	3.2	Wilt diseases						2005 , Principles of plant diseases, scientific articles
	4.1	Rot diseases	1.2.3.4.9	Face to Face		Synchronous	Exams or quizzes	Plant Pathology 2005 , Principles of plant
4	4.2							diseases, scientific articles
	5.1	Powdery mildew	1.2.3.4.9	Face to Face		Synchronous	Exams or quizzes	Plant Pathology
5	5.2							2005 , Principles of plant diseases, scientific articles
	6.1	Powdery mildew	1.2.3.4.9	Face to Face		Synchronous	Exams or	Plant Pathology 2005,
6	6.2						quizzes	Principles of plant diseases, scientific articles Study of

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	7.1		1.2.3.4.9		Synchronous	Exams or	Plant
7	7.2	Rust diseases		Face to Face		quizzes	Pathology 2005 , Principles of plant diseases, scientific articles
	8.1	Smut diseases	1.2.3.4.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology 2005,
8	8.2						Principles of plant diseases, scientific articles
	9.1	Damping off diseases	1.2.3.4.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology 2005 ,
9	9.2						Principles of plant diseases, scientific articles
	10.1	Blight diseases	1.2.3.4.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology
10	10.2						2005 , Principles of plant diseases, scientific articles
	11.1	Downy mildew	1.2.3.4.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology 2005,
11	11.2						Principles of plant diseases, scientific articles
	12.1	Leaf spot diseases	1.2.3.4.9	Face to Face	Synchronous		Plant Pathology
12	12.2						2005 , Principles of plant diseases, scientific articles
	13.1	Scab diseases	1.2.3.4.6.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology 2005,
13	13.2						Principles of plant diseases, scientific articles
14	14.1	Canker diseases	1.2.3.4.5	Face to Face	Synchronous	Exams or	Plant Pathology

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	14.2					quizzes	2005 , Principles of plant diseases, scientific articles
	15.1	Anthracnose diseases	1.2.3.4.9	Face to Face	Synchronous	Exams or quizzes	Plant Pathology
						1	2005 , Principles
15	15.2						of plant diseases,
							scientific
							articles

22. Evaluation Methods:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)
First Lab. Exam	10%	Lab material	2.3.4.7.8.9	28/11/2024
Midterm Exam	20%	Lecture material	1.4.7.8.9	29/11/2024
Oral and assay exams	5%	Either lab or lecture material	2.3.4. 5.7.8.9, 10	Various dates
Presentation	10%	Either lab or lecture material	2.3.4. 5.7.8.9, 10	Various dates
Participation	5%	Either lab or lecture material	2.3.4. 5.7.8.9, 10	Various dates
Final Lab. Exam	20%	Lab material	1-9	12/1/2025
Final Exam	30%	All the lecture motorial	1.0	As announced by

1-9

All the lecture material

23. Course Requirements

Class room, laboratory with stereomicroscopes

24. Course Policies:

Final Exam

A- Attendance policies:

Students should attend all lectures one-line for both course parts.

B- Absences from exams and handing in assignments on time:

JU roles will apply

C- Health and safety procedures:

All lectures will be online

D- Honesty policy regarding cheating, plagiarism, misbehavior:

The head of department will be announce in case of misbehaviour.



25. References:

Α
Required book (s), assigned reading and audio-visuals:
A- Required book(s), assigned reading and audio-visuals:
1- Kumar, Plant Pathogens & Principles Of Plant Pathology, 2016, PP376
2-Agrios, N, 2005. Plant Pathology. Academic Press. 5th Edition
-Recommended books, materials, and media:
3-Allyn A. C. 2000. Diseases of tropical and subtropical fruits and nuts. Hafner Press, New York, pp. 317.
4- Dixon G.2002. Vegetable crop diseases. Macmillan publishers Ltd., London. PP. 404
26. Additional information:

Name of Course Coordinator: Dr.Monther Tahat Signature:	Date: 2/10/2024
Head of Curriculum Committee/Department:	Signature:
Head of Department:	Signature:
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Head of Curriculum Committee/Faculty:	Signature:
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