

Course Description Form of Horticultural plant diseases

1. Course Name:
Horticultural plant diseases
2. Course Code:
HORD312
3. Semester / Year:
Second semester/ 2024-2025
4. Description Preparation Date:
15/1/2025
5. Available Attendance Forms:
Attending
6. Number of Credit Hours (Total) / Number of Units (Total)
75 hours / 3.5 units
7. Course Administrator's Name (Mention All, If More Than One Name)
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8. Course Objectives

- 1- The student gets to know the concept of plant diseases
- 2- The student should differentiate between pathological symptoms and pathological signs
- 3- The student gets to know the most important pathogens of plant diseases
- 4- The student gets to know the plant diseases that affect different fruit trees

9. Teaching and Learning Strategies

- Giving lectures.
- using the methods of dialogue, discussion, and explanation with students to convey theoretical information to them.
- Assigning students to collect infected plant samples with plant diseases and identify them in terms of the kind of symptoms and signs appearing on them in order to be able to diagnose them.

10. Course Structure

Theoretical part

Week	Hours	Required learning outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	5	The economic importance of orchard diseases	Introduction, kinds of losses caused by plant diseases.	lecture Discussion	Monthly exams and activities

2	5	Symptoms of plant diseases.	Local symptoms Systemic symptoms Local and systemic symptoms	lecture Discussion	Monthly exams and activities
3	5	Symptoms of plant diseases.	Symptoms caused by cell death include: -Topical-specific killing -General killing	Lecture and discussion	Monthly exams and activities
4	5	Symptoms of plant diseases.	-Symptoms caused by a decrease in tissue growth -Symptoms caused by an increase in tissue growth	Lecture and discussion	Monthly exams and activities
5	5	Signs of diseases	-Vegetative structures -Reproductive structures -Disease products	Lecture and discussion	Monthly exams and activities reports
6	5	Diseases of apples and pears	-Fungal diseases -Bacterial diseases - Non-parasitic diseases	Lecture and discussion	Monthly exams and activities

7	5	Diseases of apples and pears	-apples scab -Fire blight -Crown gall -Bitter pit	Lecture and discussion	Monthly exams and activities
8	5	Diseases of stone fruit trees	-Peach leaves curl -Powdery mildew	Lecture and discussion	Monthly exams and activities

11. Course Evaluation

- Monthly exams (two or more).

12. Learning and Teaching Sources

Required textbooks (methodology, if any)

Main references (sources)

<p>Recommended books and references (scientific journals, reports...)</p>	<p>Diseases of field and horticultural crops; General Foundations and Diseases, Suleiman Muhammad Al-Shibl, King Saud University, 2007</p>
<p>Electronic References, Websites</p>	<p>- International Information Network on Course Topic</p>