



The Hebrew University of Jerusalem

Syllabus

MOLECULAR ASPECTS OF PLANT-FUNGAL INTERACTIONS - 71929

Last update 26-07-2016

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: agroecology & plant health

Academic year: 2026

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Oded Yarden

Coordinator Email: oded.yarden@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof Oded Yarden

Course/Module description:

The following topics will be discussed during the course meetings:

Fungal lifestyles

Life cycles of fungi and plant pathogens and their adaptation to pathogenesis.

Development and function of fungal infection structures.

Fungal effectors and plant response.

Involvement of phytoalexins and toxins during pathogenesis.

Resistance to fungicides.

Students will prepare a research proposal and present it in class.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:

Familiarity with fungalk lifestyles and pathgenesis

Attendance requirements(%):

100

Teaching arrangement and method of instruction:

Course/Module Content:

The following topics will be discussed during the course meetings:

Fungal lifestyles

Life cycles of fungi and plant pathogens and their adaptation to pathogenesis.

Development and function of fungal infection structures.

Fungal effectors and plant response.

Involvement of phytoalexins and toxins during pathogenesis.

Resistance to fungicides.

Students will prepare a research proposal and present it in class.

Required Reading:

will be presented during the course

Additional Reading Material:

Grading Scheme:

Additional information:

Prerequisites: Intro to Plant Pathology (71502) and a course in molecular biology