

## Plant pathology (IIIrd Year of study, Vth SEMESTER )

Credit value (ECTS) 7

### Course category

Compulsory courses

### Course holder:

PhD, Lecturer Andreea-Mihaela FLOREA

### Discipline objectives (course and practicum)

The analytical program aims to instill the knowledge by students concerning etiology, symptomatology, the epidemiology and measures for prevention and control of ornamental plant diseases. Practical application aims to familiarize students with the technical work in the laboratories of plant protection, and with the recognition of disease.

### Contents (syllabus)

Course (chapters/subchapters)
General notions about plant diseases
Infectious phytopathogenic agents overview
Phytopathogenic agents
Infectious diseases pathogenesis
Epidemiology of parasitic diseases
Preventing and combating plant diseases
Measures to prevent the intoxications and pollution in plant protection
Viruses and mycoplasmas- General characteristics
Phytopathogenic bacteria- General characteristics
Phytopathogenic micromycetes- General characteristics
Practicum
Parasitic aspects- anatomical and morphological changes produced by viruses, mycoplasma, bacteria and pathogenic fungi
Phytopathological material harvest
Micromycetes morphology
Asexual and sexual reproduction of micromycetes
Sexual reproduction of micromycetes
Prevention and control of diseases caused by pathogens in plants
Ornamental plant viruses
Bacterial diseases of plants
Fungal diseases of plants- <i>downy mildews</i>
Fungal diseases of plants - <i>powdery mildew</i>
Fungal diseases of plants – <i>rusts, smut, septoria etc</i>

### References

1. Florea Andreea-Mihaela, Ulea E., 2019 - ÎNDRUMĂTOR PRACTIC DE FITOPATOLOGIE, Editura "Ion Ionescu de la Brad", Iași.
2. Iacob Viorica, Hatman M., Ulea, E., Puiu I., 1999 – Fitopatologie generală, Ed. Cantes, Iași.
3. Iacob Viorica, 2003 – Fitopatologie, Ed. Ion Ionescu da la Brad Iași.
4. Ulea, E., 2003 – *Fitopatologie horticola*, Ed. Ion Ionescu da la Brad Iași.

## Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	Writed exam	60%
Appreciation of the activity during the semester	Test+ practical application+ herbarium	40%

### Contact:

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