NH02038: GENERAL PLANT PATHOLOGY

Total credits 2: theory 1.5 - practice 0.5 - Self-study 6

EXPECTED LEARNING OUTCOMES

Notation	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge		
CELO1	Accurately describe the importance, research areas of plant pathology	ELO3
CELO2	Explain the nature of plant diseases, the basis of plant disease classifications, and plant disease epidemiological concepts	ELO3
CELO3	Assess the advantages and disadvantages of plant disease management methods	ELO3
CELO4	Describe the morphological, taxonomic, biological, and epidemiological characteristics of groups of plant pathogens (fungi/fungi-like microorganisms, bacteria, viruses and nematodes) and diseases caused by them on crops	ELO3
CELO5	Apply the disease management approach to specific plant diseases	ELO3
Skill		
CELO6	Search information about plant diseases from internet	ELO10
CELO7	Distinguish symptoms/signs of diseases in plants caused by groups of plant pathogens (fungi, bacteria, viruses and nematodes)	ELO10
Ethics and Attitude		
CELO8	Be confident and creative in disease management and research, conscious of environmental protection.	ELO15

COURSE DESCRIPTION

Lesson 1: Introduction to plant diseases
Lesson 2. Mechanism of plant disease
Lesson 3. Plant diseases
Lesson 4. Diagnosis and prevention of plant diseases
Lesson 5. Fungi and fungal diseases
Lesson 6. Bacteria and bacterial diseases
Lesson 7. Viruses and viral diseases
Lesson 8. Nematodes and Nematodes

LEARNING METHODS

- Learning in class
- Team work
- Self learning
- E-learning
- Lab working

STUDENT TASKS

- Theory: ensure the number of hours of attendance according to the Academy's regulations.
- Practice: mandatory reporting
- Midterm exam: required
- Final exam: required

LECTURERS

1. Assoc.Dr. Hà Viết Cường
2. Assoc.Dr. Đỗ Tấn Dũng
3. Dr. Trần Nguyễn Hà
4. Dr. Nguyễn Đức Huy
5. Dr. Đỗ Trung Kiên
6. MSc. Nguyễn Thị Thanh Hồng

ASSESSMENT METHODS

• Grading: 10
• Average score of course is the total points of rubrics multiplied by the respective weight of each rubric.
✓ Participation: 10 %
✓ Practical: 15 %
✓ Midterm exam: 15 %
✓ Final exam: 60 %

VNUA Vietnam National University of Agriculture