Course Unit Descriptor

Study Programme: Phytomedicine

Course Unit Title: Pseudomycoses and mycoses of plants 1

Course Unit Code: 19.FTM025

Name of Lecturer(s): Full professor Ferenc Bagi

Type and Level of Studies: Undergraduate academic study

Course Status (compulsory/elective): Compulsory

Semester (winter/summer): summer

Language of instruction: English

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated: 4

Prerequisites:

Passed examination of the General phytopathology

Course Aims:

Ganing the knowledge about the most economically important field and vegetable crops mycoses and their control.

Learning Outcomes:

Theoretical and practical knowledge about field and vegetable crops mycoses. Students training for application of appropriate control measures in accordance with good agricultural practices.

Syllabus:

Theory

Kingdoms *Protozoa, Chromista, Fungi.* Species from genera: *Plasmodiophora, Spongospora, Polymixa, Aphanomyces, Pythium, Phytophthora, Sclerospora, Plasmopara; Peronospora; Pseudoperonospora; Albugo,Synchytrium; Erysiphe; Leveillula, Sphaerotheca; Gibberella; Claviceps, Diaporthe; Cochliobolus; Setosphaeria; Pyrenophora; Leptosphaeria; Pleospora; Sclerotinia; Pseudopeziza, Botriotinia; Verticillium; Cercospora; Cladosporium; Alternaria; Rhynchosporium, Pseudocercosporella; Fusarium; Colletotrichum; Phoma, Phomopsis; Septoria; Rhizoctonia; Ascochyta, Macrophomina; Ustilago; Tilletia, Urocystis; Puccinia; Uromyces; Cuscuta,Orobanche*.

Economically important fungal diseases of field and vegetable crops will be elaborated: occurrence, distribution, harmfulness, symptoms of the disease, characteristics of the pathogen, life cycle, control measures.

Practice

Practical work on the dried and life infected plant material - identifying the causal agent. Individual work on the microscope, making microscopic preparations, drawing the reproductive organs of pathogens, cycle and the development of symptoms.

Required Reading: Agrios, G.N. (2005): Plant pathology.Elsevier, academic press, USA; Stojšin, V., Bagi, F., Balaž, F. (2008): Phytopathology workbook- Mycoses and pseudomycoses of field and vegetable crops. Faculty of Agriculture, University of Novi Sad.

Weekly Contact Hours: 6	**Lectures: 4**	**Practical work: 2**

Teaching Methods:

Visual - didactic methods with the use of modern teaching aids and laboratory equipment. Practical classes - individual work of students and demonstrative - illustrative methods.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation		written exam	

Practical work	30	oral exam	70
Preliminary exam(s)		…….	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, **project presentation, seminars, etc.**			