

**01S1-DOR**

**CROP PROTECTION CONSULTING**

**ECTS: 2.0**

**HOURS PER SEMESTER/WEEK:** LECTURES: 15/1; CLASSES: 15/1

#### **COURSE CONTENTS**

**LECTURES:** Decision-making on the application of an appropriate plant protection agent depending on the type and intensity of the appear of pest as well as environmental and economic factors. The use of decision support systems in plant protection consulting. Detailed issues in the field of phytopathology, entomology and herbology, economics, marketing and law related to consulting in plant protection.

**CLASSES:** Methods of diagnosing and indication the appearance of pests of crops on particular examples. Plant protection in various agricultural systems, greenhouse and in storages including the role of non-chemical methods. General issues in the field of plant cultivation, phytopathology, entomology and herbology in plant protection consulting. Basic legal acts at the EU and national level concerning the marketing and use of plant protection products and the reduction of pesticide risk. The importance of consulting and training in integrated pest management; units dealing with plant protection and consulting in plant protection.

**EDUCATIONAL PURPOSE:** Acquisition by students the knowledge of the basics of consulting in plant protection, showing the role of consulting in improving innovation processes in agriculture.

#### **LEARNING OUTCOMES**

**Knowledge.** The student has knowledge of the environmental factors influencing the degree of threat to plants by pests, knows and is able to implement appropriate methods of protection.

**Skills.** The student has the ability to search for information on plant protection problems and use appropriate advisory methods.

**Social competences.** The student can solve problem situations in plant protection, using advisory knowledge in this area, is prepared for individual and team work in organizations, institutions and plants related to plant protection, is aware of the need to further deepen knowledge related to plant protection.

#### **TEACHING FORMS AND METHODS**

**Lectures.** Information lecture with multimedia presentation.

**Classes.** Auditorium exercises: presentation method, case study; the project: panel discussion.

#### **FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES**

**Lectures.** Written test - credit with a grade.

**Classes.** Presentation - credit with grade, project - credit with grade.

#### **BASIC LITERATURE**

1) Internet databases: Agricultural consulting service "Platforma Sygnalizacji Agrofagów" (in English), EU Pesticides Database

#### **ADDITIONAL LITERATURE**

International Herbicide Resistant Weeds Database

#### **THE TEACHER/S CONDUCTING THE CLASSES:**

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