

Course: PLANT PROTECTION PRODUCTS		
Semester	ECTS	Teaching hours
II	6	3L+2P

Master academic studies: Plant protection (4 semesters, 120 ECTS)		
Course description Introducing students to the areas of pesticides application and use of active substances in agricultural production and communal hygiene. During the lecture, chemical groups of pesticides with active substances, their mechanism of action and application will be discussed, with special emphasis on pesticides used in agriculture (plant protection products).		
Learning outcomes After passing the exam, the student will acquire knowledge that allows him to: <ul style="list-style-type: none"> • Present the most important areas of pesticide application with special reference to plant protection products • Select pesticides for application in non-agricultural areas • Describe all chemical groups of plant protection products and active substances that are in these groups • Apply all active substances in order to control harmful organisms in agriculture 		
Lecturer: Prof. Nedeljko Latinović, PhD		
Learning methods: Lectures, Laboratory practice, Field work, Seminars		
Weekly class schedule		
I week	Lectures	Introduction, areas of pesticide application
	Practicum	Introduction to application of pesticides
II week	Lectures	Pesticides - biocides
	Practicum	Application of pesticides in communal hygiene
III week	Lectures	Pesticides - biocides; fungicides
	Practicum	Laboratory exercises: fungicides
IV week	Lectures	Fungicides
	Practicum	Laboratory exercises: fungicides, bactericides
V week	Lectures	Fungicides, bactericides
	Practicum	Laboratory exercises: bactericides
VI week	Lectures	Insecticides
	Practicum	Laboratory exercises: Insecticides
VII week	Lectures	Insecticides
	Practicum	Laboratory exercises: insecticides
VIII week	Lectures	Insecticides, nematocides
	Practicum	Laboratory exercises: Insecticides, nematocides
IX week	Lectures	Nematocides, molluscicides, repellents
	Practicum	Field practice
X week	Lectures	Rodenticides
	Practicum	Field practice
XI week	Lectures	Rodenticides, herbicides
	Practicum	Laboratory exercises: herbicides
XII week	Lectures	Herbicides
	Practicum	Laboratory exercises: herbicides
XIII week	Lectures	Herbicides
	Practicum	Field practice
XIV week	Lectures	Arboricides, desiccants, growth regulators
	Practicum	Field practice
XV week	Lectures	Pesticide application
	Practicum	Calculation of dose and concentration of various plant protection products
Literatura: MacBean, C. (2012): The Pesticide Manual: A World Compendium. British Crop Protection Council; Material from Internet; Lectures presentation.		
Forms of knowledge assessment and grading: Activities in lectures and exercises: 5 points Seminar paper: 5 points Two colloquia: 40 points Final exam: 50 points		

A passing grade is obtained if at least 50 points are accumulated cumulatively					
Grading	A	B	C	D	E
Number of points	90-100	80-89	70-79	60-69	50-59

Data prepared by: Prof. dr Nedeljko Latinović