

**Biotechnical Faculty / PLANT PROTECTION / PLANT PROTECTION PRODUCTS**

<b>Course:</b>	PLANT PROTECTION PRODUCTS			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
12355	Mandatory	2	6	3+0+2
<b>Programs</b>	PLANT PROTECTION			
<b>Prerequisites</b>	None			
<b>Aims</b>	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).			
<b>Learning outcomes</b>	After passing the exam, the student will acquire knowledge that allows him to: • 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			
<b>Lecturer / Teaching assistant</b>	Prof, dr Nedeljko Latinović Mr Bogoljub Kandić			
<b>Methodology</b>	Lectures, Laboratory practice, Field work, Seminars			
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction, areas of pesticide application			
I week exercises	Introduction to application of pesticides			
II week lectures	Pesticides - biocides			
II week exercises	Application of pesticides in communal hygiene			
III week lectures	Pesticides - biocides; fungicides			
III week exercises	Laboratory exercises: fungicides			
IV week lectures	Fungicides			
IV week exercises	Laboratory exercises: fungicides, bactericides			
V week lectures	Fungicides, bactericides			
V week exercises	Laboratory exercises: bactericides			
VI week lectures	Insecticides			
VI week exercises	Laboratory exercises: Insecticides			
VII week lectures	Insecticides			
VII week exercises	Laboratory exercises: insecticides			
VIII week lectures	Insecticides, nematocides			
VIII week exercises	Laboratory exercises: Insecticides, nematocides			
IX week lectures	Nematocides, molluscicides, repellents			
IX week exercises	Field practice			
X week lectures	Rodenticides			
X week exercises	Field practice			
XI week lectures	Rodenticides, herbicides			
XI week exercises	Laboratory exercises: herbicides			
XII week lectures	Herbicides			
XII week exercises	Laboratory exercises: herbicides			
XIII week lectures	Herbicides			
XIII week exercises	Field practice			

XIV week lectures	Arboricides, desiccants, growth regulators					
XIV week exercises	Field practice					
XV week lectures	Pesticide application					
XV week exercises	Calculation of dose and concentration of various plant protection products					
<b>Student workload</b>						
<b>Per week</b>			<b>Per semester</b>			
<b>6 credits x 40/30=8 hours and 0 minuts</b> 3 sat(a) theoretical classes 2 sat(a) practical classes 0 excercises <b>3 hour(s) i 0 minuts</b> of independent work, including consultations			Classes and final exam: <b>8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts</b> Total workload for the subject: <b>6 x 30=180 hour(s)</b> Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) <b>36 hour(s) i 0 minuts</b> Workload structure: <b>128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)</b>			
<b>Student obligations</b>			Students are required to attend classes, do seminar work, do all laboratory and field exercises and do both colloquiums.			
<b>Consultations</b>			After the lectures			
<b>Literature</b>			MacBean, C. (2012): The Pesticide Manual: A World Compendium. British Crop Protection Council; Material from Internet; Lectures presentation.			
<b>Examination methods</b>			Activities in lectures and exercises: 5 points Seminar paper: 5 points Two colloquia: 40 points Final exam: 50 points			
<b>Special remarks</b>						
<b>Comment</b>						
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points