

Course Unit Descriptor

Study Programme: Agricultural engineering and information technologies			
Course Unit Title: Occupational safety in agriculture			
Course Unit Code: 19.PTI039			
Name of Lecturer(s): Mirko Simikić			
Type and Level of Studies: Undergraduate			
Course Status (compulsory/elective): Elective			
Semester (winter/summer): summer			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: None			
<p>Course Aims:</p> <p>Course objective. The objective of the course is to familiarize students with the dangerous places and parts of agricultural facilities, machinery and equipment, as well as safety measures in the workplace in agriculture.</p>			
<p>Learning Outcomes:</p> <p>Upon passing the exam, the student acquires knowledge and skills that enable him to recognize dangerous places and parts of agricultural facilities, machinery and equipment and implementation of domestic and international standards and regulations relating to work safety in agriculture.</p>			
<p>Syllabus:</p> <p><i>Theory</i>          Specifics of agriculture from the standpoint of work safety. Mechanical and thermal injuries while working in agriculture. Common facilities and safety measures in agriculture. Special safety measures in crop production. Special safety measures in livestock production. Safety precautions when agricultural tractors and self-propelled machines participate in traffic on public roads. Special safety measures when using chemical pesticides for the protection of plants, mineral fertilizers and other poisons, easily flammable and explosive substances in agricultural production. Domestic and international standards and regulations relating to occupational health and safety in agriculture.</p> <p><i>Practice</i>          Recognizing dangerous places inside of agricultural production facilities. Recognizing dangerous parts of agricultural tractors, machines and devices. Analysis of dangerous places and parts and defining of measures of prevention. Introduction to protective equipment that is used for protection in agriculture. Obligations of the manufacturer and users of agricultural machinery and equipment. Identifying security labels and warnings on agricultural machines and devices</p>			
<p>Required Reading:</p> <ol style="list-style-type: none"> <li>1. Nikolić R, Savin L, Simikić M: Tractors - testing, Faculty of agriculture Novi Sad, 2007</li> <li>2. Nikolić et al. Mechanical and thermal injuries in agriculture, Faculty of agriculture Novi Sad, 2009</li> <li>3. Nikolić et al. Development and use of single axle tractors and motor implements, Faculty of agriculture Novi Sad, 2011</li> </ol>			
Weekly Contact Hours: 4	Lectures: 2	Practical work: 2	
<p>Teaching Methods:</p> <p>The method of oral presentations and discussions. The method of drawing, presentations, demonstrations, simulations and illustrations on the board and by using video presentations. Consultations and seminar papers. The method of practical work in laboratories and at the Institute</p>			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	30

Practical work		oral exam	60
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.			