

<b>Study Programme:</b> Agricultural engineering and information systems			
<b>Course Unit Title:</b> WASTE MATERIALS AND ENVIRONMENTAL PROTECTION			
<b>Course Unit Code:</b> 19.PTI043			
<b>Name of Lecturer(s):</b> Prof. Lazar Savin, PhD			
<b>Type and Level of Studies:</b> UNDERGRADUATE ACADEMIC STUDIES			
<b>Course Status (compulsory/elective):</b> Elective			
<b>Semester (winter/summer):</b> Summer			
<b>Language of instruction:</b> Serbian			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face to face			
<b>Number of ECTS Allocated:</b> 6			
<b>Prerequisites:</b> No			
<b>Course Aims:</b> Introducing students to the forms and sources of environmental pollution that are a product of the food industry. Methods and devices used to reduce environmental pollution. Getting acquainted with the legislation in the field of environmental protection, regulations and standards.			
<b>Learning Outcomes:</b> After taking the course, the student acquires knowledge and skills that enable him to recognize forms of environmental pollution, sources of their occurrence, prevention measures, methods of measuring pollution, knowledge of legal regulations.			
<b>Syllabus:</b> <i>Theory</i> Introduction to the legislation in Serbia and Europe in the field of environmental protection. Introduction to the basic concepts in the field of environmental protection: emission, MDK, MDD, MDE. Air pollutants (sulfur oxides, nitrogen oxides, carbon oxides, volatile, halogenated hydrocarbons). Water pollutants (heavy metals, salts, microorganisms, thermal pollution, organochlorine products). Solid waste, solid waste management, harmfulness of solid waste. Management of agricultural waste: collection, waste material of animal origin, waste of plant origin, methods of utilization of agricultural waste. Recycling and environmental hazard labeling.  <i>Practice</i> Learning the methods of measuring certain forms of pollution according to the valid regulations for measurements: concentration of air pollutants, solid and gaseous, concentration of pollutants in the water of solid and chemical compounds. Preparation of a seminar paper.			
<b>Required Reading:</b>			
<b>Weekly Contact Hours:</b> 4	<b>Lectures:</b> 2	<b>Practical work:</b> 2	
<b>Teaching Methods:</b> Lectures and Practical classes, Consultations if needed.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	
Test	0	oral exam	50
Seminar papers	40	.....	
Colloquium	0		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			