

Study Programme: ORGANIC AGRICULTURE			
Course Unit Title: EROSION CONTROL			
Course Unit Code: ORG39			
Name of Lecturer(s): Prof. Radovan Savić, Assoc. Prof. Milica Vranešević			
Type and Level of Studies: Undergraduate academic studies			
Course Status (compulsory/elective):			
Semester (winter/summer): summer			
Language of instruction: Serbian, English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: No			
Course Aims: Acquiring knowledge and understanding of the significance of erosion processes and the resulting negative consequences on (arable) soil and waters. Introduction to the basic principles of protection and possible anti-erosion measures.			
Learning Outcomes: Ability of students to notice and perceive the negative effects of erosion processes and various aspects of their impact on the arable soil and environment; to assess the extent and consequences of the problem; select and take adequate soil and water protection measures			
Syllabus: <i>Theory</i> Introduction, definitions and terms. Forms of erosion processes; Factors of occurrence and increase of erosion processes. Water erosion. Wind erosion. Erosion intensity. Arable soil loss and degradation. Models for forecasting and estimating erosion intensity. Effects of erosion on the environment; Spread of pollution by erosion processes. Sediments (origin, properties, deposition, impact on soil and waters). Significance, role and goals of erosion protection. Relevant legislation. Basic principles of soil and water protection from erosion. Agrotechnical and other measures of soil and water conservation. Modern strategies and complex methods of protection against erosion processes. <i>Practice</i> Seminar work / paper - study that includes the practical application of acquired theoretical knowledge.			
Required Reading:			
Weekly Contact Hours:	Lectures: 2	Practical work: 2	
Teaching Methods: Lectures and Practical classes. Consultations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	-
Practical work	5	oral exam	50
Preliminary exam(s)	-	
Seminar(s)	40		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			