

Course Unit Descriptor

Study Programme: Agronomy with modules			
Course Unit Title: Contemporary approaches to the Soil Classification System			
Course Unit Code: 3DAI2068			
Name of Lecturer(s): assistant professor Vladimir Ćirić			
Type and Level of Studies: Doctoral studies			
Course Status (compulsory/elective): Elective			
Semester (winter/summer): winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 10			
Prerequisites: Completed master study			
Course Aims: The objective of the course is to familiarize students with processes of genesis, evolution, causes of variability and laws of geographic distribution of soil cover, as well as the most up-to-date soil classification.			
Learning Outcomes: Knowledge in this field provides expertise in the application of national and world classification of soil, as well as dealing with scientific work in the field of soil science.			
Syllabus: Theory: Historical development and principles of soil classification in Serbia and in the world. Genetic horizons, Diagnostic horizons, Diagnostic materials and traits. Modern World Classification of soil: ST - Soil Taxonomy, ISRIC and ISSS 1998. Russian Soil Classification System. WRB - World Reference Base for Soil Resources (2014). Practice: Collection of soil samples for pedological research, External and internal soil morphology, Determination of genetic and diagnostic horizons and determination of type and group of soil according to domestic and world classification. Familiarization with the methods necessary for the proper determination of the group of soil according to the World Classification of soil. Getting acquainted with GIS work.			
Required Reading: 1. World reference base for soil resources 2014 International soil classification system for naming soils and creating legends for soil maps Update 2015 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS Rome, 2015 WORLD SOIL RESOURCES REPORTS 106 2. Food and Agriculture Organization of the United Nations, Rome, 2006. World soil resources reports 103. 3. Guidelines for soil description. Forth edition. Food and Agriculture Organisation of the United Nations, Rome, 2006. 4. Класификација почв Русије, Почвениј институт имени В:В: Докучајева, Москва 2001 4. Soil atlas of Europe - European soils bureau network, European Commission, 2005, 128 pp, Office for Official Publications of the European Communities, L-2995 Luxembourg			
Weekly Contact Hours:		Lectures: 45	
Practical work: /			
Teaching Methods: Teaching lectures through video lectures			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	40
Practical work	10	oral exam	20
Preliminary exam(s)	/	
Seminar(s)	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			