

Study program: Environmental protection			
Type and level of study: Bachelor academic studies			
Course Title: Soil Science			
Teachers: Nataša Stojić			
Status: Obligatory, semester III			
ECTS: 8			
Prerequisite: None			
The goal of course Acquisition of basic knowledge in the field of soil science, natural changes, as well as changes that occur during anthropogenic activities			
The outcome of the subject: This course will enable students to acquire basic knowledge of the lithosphere and processes that take place in soil in accordance with the requirements of environmental protection.			
Syllabus			
<i>Theoretical study</i> – Soil physics, soil chemistry, soil biology and biochemistry, soil fertility and soil science, minerals in soil, salinity, Na in the soil, moist soil biogeochemistry, soil compaction, acidic soils, soil and environmental quality, water and wind erosion, waste disposal on land, the classical treatment of soil, soil quality, a database of soils, classification of soils			
<i>Practical classes</i> – Soil sampling and sampling strategy. Experimental determination of the basic physical and chemical characteristics of soil. Determination of the organic and inorganic soil contaminants.			
Literature			
1. Sekulić, P., Kastori, R. & Hadžić, V. (2003). Zaštita zemljišta od degradacije. Naučni institut za ratarstvo i povrtarstvo. Novi Sad.			
2. Sumner, M. (2000). Hanbook of Soil science, SrC Press. Kastori, R. (1997). Teški metali u životnoj sredini. Naučni institut za ratarstvo i povrtarstvo. Novi Sad.			
3. Foth, H. D., Fundamentals of soil science, Henry D. Foth.-8th ed., by John Wiley & Sons, Inc., 1990			
Number of lectures: 5			Other Classes
Lectures: 3	Practices: 2	Other forms of teaching:	
Teaching methods: Lectures, practices, short repetitoria, computer work, discussions, presentations			
Score (maximum 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	10	Written exam	
Practical classes	20	Oral examination	30
Colloquia	20		
Seminars	20		
<i>Total</i>	70		30