

Level: bachelor				
Course title: Soil Protection				
Status: obligatory				
ECTS: 8				
Requirements: none				
Learning objectives Introduction to the basic characteristics of soil. Mastering the basics of soil quality control, conservation measures and soil remediation techniques.				
Learning outcomes Students should be able to define and specify the ecological problems and consequences of soil pollution, apply the basic quality control measures and methods for soil protection; analyze the basic physical and chemical properties of soil; analyze pollutants in soil.				
Syllabus <i>Theoretical instruction</i> Soil as part of the environment, the definition and basic characteristics. Soil pollution. Soil classification. Morphological, physical, chemical and biological properties. Impact of agricultural production (fertilizers, pesticides and heavy metals). Methods of soil remediation, in situ and ex situ remediation, bioremediation, physic-chemical remediation. Characterization of contaminated sites. <i>Practical instruction</i> Practical instructions are in compliance with the theoretical ones. Laboratory work. Calculations.				
Weekly teaching load				Other: /
Lectures: 3	Exercises: 1	Other forms of teaching: 2	Student research: /	