

Subject name	Soil protection	
Subject code	IS-SPT-22	
Department	Land Reclamation and Peat-Bogs Protection	
Faculty	Environmental Engineering and Land Surveying	
Subject supervisor/Lecturer	Marek Ryczek, Ph.D., Magdalena Malec, P.hD.	
General information	Teaching period	summer
	ECTS credit	6
	Lectures total	15 hrs
	Lab practical	30 hrs
Objective and general description		
Lectures	<p>Resources of soils in Poland and necessity of their protection. Basic terms and law regulation of soil protection. Evaluation of degradation and devastation of soil. Sources and factors of soil degradation. Forms of degradation. Classification and evaluation of soil. Methods of protection of mineral and organic soil. State of threat of degradation of peat soils and ways of their protection.</p>	
Lab practicals	<p>Properties of soil shaping their productivity. Sources of information of soil and their state, monitoring of soil. Resistance of soil to degradation. Organic matter in soil and its law protection. Heavy metals in soil, state of heavy metals contamination of soil in Poland and in the World. Improvement of agrotechnical soil properties. Influence of human activity on soil quality on urbanized areas and way of its protection in urban conditions. Influence of soil quality on human health. Influence of agriculture on soil quality. Influence of forestry management on soil. Influence of industry and waste management on soil. Influence of transport on soil. Use of soil regarding production of healthy foods. Threat and problems of soil protection on an areas of national parks.</p>	
References		