

Title:	Environmental Protection
Lecture hours:	5 hours of lecture and 30 hours of laboratory
Study period: (summer/winter)	summer/winter
Number of credits:	4
Assessment methods:	Final test
Language of instruction:	English
Prerequisites:	No formal prerequisites
Course content:	National emissions of atmospheric pollutants original - size, risks, consequences and prevention. Factors affecting the chemical composition of air and precipitation. Threats to the atmosphere associated with the implementation of the function of the settlement - the type and quantity of pollutants generated depending on how the supply of thermal energy (burning of coal, coke, wood, oil, natural gas). The impact of industry on the environment depending on the environmental conditions. Basic principles and processes. Primary and secondary pollution - ways of reducing emissions. The processes and equipment used in the purification of air, soil and air. Natural waters, composition, water quality indicators. The load area of Polish pollution paid by the rain. The main pollutants of domestic natural waters. The problem of acidification and soil degradation. Processes geological, geomorphological, soil, diagnose the overall condition of the soil environment. Factors of soil formation. The soil (volatility, stability). Geomorphology, organisms and time. Source rocks soil. The physical properties of soils and their role in shaping the habitat of plants and edaphone. Ventilation mechanical, chemical and biological rocks. Genetic types of soils.
Learning outcomes:	<ul style="list-style-type: none"> - Student is able to define basic concepts in the field of environmental protection. - Student identifies threats to the natural environment from human activities. - Student identifies the cause of the contamination environments, soil degradation, water resources and the landscape. - Student analyzes and evaluates the degree of risk and threat environment. - Student proposes ecological solutions possible for use in specific situations. - Student analyzes and evaluates the degree of risk and threat environment. - Student measures the state of water, soil and air. - Student proposes ecological solutions possible for use in specific situations. - Student is aware of the continuous improvement in the impact of the environment on human life - Student acquires competence in the assessment of the risks of environmental and man-made.

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