Level: Bachelor

Course title: Environmental protection

Status: elective

ECTS: 7

Requirements: none

Learning objectives

Introduce students to the basics of environmental impacts and their basic components. Developing students' ability to conduct and control technological processes in both living and working environment.

Learning outcomes

After successfully completing the course, the student is able to analyze the conditions in the environment and apply specific measures to protect and improve the environment.

Syllabus

Theoretical instruction

General problems of pollution and environmental protection. The basic ecological concepts, population of people and food. Impact of energy production and exploitation of raw materials to the environment. Limitation of renewable resources and the concept of maximum sustainable yield. Resource management. Physical agents and chemical agents in the environment. Toxic effects of pollutants. Distribution, transmission, and biodegradation of toxic substances in nature. Water pollution. Water pollution control and protection. Solid waste and soil pollution. Air pollution and air pollution control. Food contamination, pesticides and control. Work environment and pollution. Integrated environmental management. Legislation in the field of environmental protection-national and European legislation.

Practical instruction

Audio-visual methods to deal with problems in the area, including the types of pollution and their control.

Weekly teaching load				Other:
Lectures: 45	Exercises: 30	Other forms of teaching: 15	Student research:	