



Entitlement Environmental Protection and Sustainable Production , 10 cr.

Prerequisites

B1 level of English language. Mathematics and Application Programs. Communication. Chemistry

Main aim

To provide students with the knowledge and skills that are needed to independently solve problems in different professional spheres, to plan activities and make efficient decisions based upon the environment protection and labour safety requirements, in accordance with Lithuanian and international law documents, to develop the competency.

Summary

The aim of the module is to introduce students to the environmental factors and their impact on the key components of the environment, pollution sources and ways to reduce them. Students analyse the environmental, labour and civil protection legislation, safety issues at the enterprise, as well as work safety of technological processes. While studying the module students are introduced to the basics of law, legal regulation mechanism, they are taught to handle constitutional, administrative, civil, criminal and labour law issues, and apply laws and regulations in practice.

Learning Outcomes

1. Be able to reasonably explain causes of the changes taking place due to anthropogenic activities in the natural environment and anticipate the consequences.
2. Be able to follow the work environment survey and evaluation provisions governing the work safety in companies.
3. Be able to describe sources of the environmental pollution and provide means to reduce it.
4. Be able to follow the working environment survey and evaluation provisions governing the work safety in companies.
5. Be able to analyse and predict the causes and possible consequences of potential emergencies in Lithuania. Be able to use individual safety measures, radiation monitoring devices, organise people and property protection during extreme situations.
6. Be able to apply the safety requirements for technological processes.
7. Be able to apply the legal requirements, know the enforcement procedures, and apply the working environment survey and evaluation provisions.
8. Be able to analyse the need for the labour force and professional development.
9. Be able to follow the laws of the Republic of Lithuania that regulate company's (subdivision's) activity organization.
10. Be able to control technological process following standard requirements of documentation.

Syllabus

Influence of the environment factors on living organisms, autoregulation in natural populations and biocenotic connections.
Sustainable management of natural resources.
International and Lithuanian requirements for the environmental quality.
Organisation of technological processes by the principles of good governance and environmental aspects.
Waste collection and recycling problems and solutions.
Organisational and legal aspects of the labour protection. Labour safety of technological processes of sustainable production. Fire safety.
Civil safety and fire safety.
Employment contract. Recruitment.
Dismissal.
Labour discipline.
Working/rest time.
Assessment

Evaluation procedure of knowledge and abilities

Portfolio consists of two parts: environment protection terms vocabulary and written assignment. Practical work is organized using different task, methodological requirements, accomplished task will be evaluated using point scale. Tasks: preparation and delivering of a presentation, test and quiz. Presentation is prepared during group work time (in the groups of 4-5 students). It will be presented during practical training hours. Test and quiz will be in written. Examination will be presented in written form. Test consists of open and closed questions, drawing and filling in the schemes.