COURSE DESCRIPTION CARD - SYLLABUS

Course name
Industrial safety, occupational health and safety

Course

Field of study
Mechanical and Automotive Engineering

Year/Semester
1/1

Area of study (specialization)

Profile of study
general academic

Level of study
First-cycle studies

Course offered in
Polish

Form of study
part-time

Requirements
compulsory

Number of hours

Lecture
4

Laboratory classes
0

Other (e.g. online)
0

Tutorials
0

Projects/seminars
0

Number of credit points

0

Lecturers

Responsible for the course/lecturer:
Ewa Budniak

email: ewa.budniak@put.poznan.pl

Faculty of Engineering Managment

Responsible for the course/lecturer:

Prerequisites

Student recognizes the fundamental risks to health and life, which are associated with functioning at the University.

Course objective

The students become acquainted with the rules, regulations and rules relating to safety, work hygiene and fire protection in Poznan University of Technology.

Course-related learning outcomes

Knowledge

Has basic knowledge in the field of chemistry, in the construction of the periodic table of elements and their properties, the theory of chemical bonds, organic and inorganic compounds, types of chemical reactions, chemical analysis: in the scope enabling understanding of lectures on metal and non-metal

materials, protection sciences environment, fuels and lubricants, building materials and soil, biomechanics and biological materials processed by agricultural and food machinery.

Has elementary knowledge of the impact of technology changes on the organization of social life as well as the health and psyche of individuals in human-machine contact.

Has elementary knowledge of law, in particular security, copyright and security law industrial property and its influence on the development of technology.

Skills

Can organize and substantively manage the process of designing and operating a simple machine from a group of machines from the group covered by the selected diploma path.

Can interact with other people as part of teamwork (also of an interdisciplinary nature).

Has the ability to self-educate with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books.

Social competences

Is ready to recognize the importance of knowledge in solving cognitive and practical problems and to consult experts in case of difficulties in solving the problem on his own.

Is ready to fulfill social obligations and co-organize activities for the benefit of the social environment.

Is ready to initiate actions for the public interest.

Is ready to fulfill professional roles responsibly, including:

- observing the rules of professional ethics and requiring this from others, - caring for the achievements and traditions of the profession.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Written test, in which at least one answer is correct (answer is scored 0 or 1).

Programme content

Selected legal legislation concerning occupational health safety and, including:

a) the rights and obligations of students and universities in terms of occupational health and safety, and liability for infringement of the provisions and principles of health and safety at work,

b) accidents and illnesses

c) prevention with regard to the protection of the health of students.

The impact of hazardous, harmful, and disruptive factors on safety and health. Risk assessment of factors which exist in learning and working processes and methods to protect against risks towards students? health and life. Problems that are linked to the organisation of workplace, taking into account

ergonomic principles, as well as including work stations with screen monitors and other office equipment. The proceedings in the event of accidents and emergency (e.g. fire, failure), including rules of first aid in the event of an accident.

Teaching methods

Multimedia presentation, theory illustrated with examples.

Bibliography

Basic

Legal regulations concerning safety in colleges and universities.

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	4	0
Classes requiring direct contact with the teacher	4	0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	0	0

[1] delete or add other activities as appropriate