



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Industrial safety, occupational health and safety

### Course

Field of study

Mechatronics

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

Polish

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

Responsible for the course/lecturer:

email: ewa.budniak@put.poznan.pl

Faculty of Engineering ManagementInstytut

Institute of Safety and Quality Engineeringul.

2 Prof. Rychlewskiego Str. 60-965 Poznań

#### 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 a detailed knowledge of the rules, the way and the scope of the occupational health and safety, first aid and legal protection of work.

#### Skills

Can acquire, integrate, interpret data from literature, database or other properly matched sources, both in English or other foreign language accepted as an international language of communication within Safety Engineering, as well as to draw conclusions, formulate and justify opinions.

Has the self-study ability and comprehends its importance.

Has the necessary preparation to work in industrial environments and is familiar with safety rules related to this work as well as is able to enforce their application in practice.

#### Social competences

Understands the need and knows means how to self-study ( first, second and third cycle studies, postgraduate studies, qualification courses)- improving professional, personal and social competence; can argue the need to learn for the whole life.

Is fully aware of the responsibility that he has taken for his own work and expresses readiness to comply with the rules of team work as well as takes responsibility for mutually realized and completed tasks.

#### 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) <sup>1</sup>	0	0

<sup>1</sup> delete or add other activities as appropriate