



COURSE DESCRIPTION CARD - SYLLABUS

Course name

A Short Course in Occupational Safety [S1IZarz1E>BHP]

Course

Field of study

Engineering Management

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

English

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

4

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

0,00

Coordinators

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Lecturers

Prerequisites

The student is capable of making responsible decisions and acting in situations of danger.

Course objective

Familiarizing students with threats to health and life associated with their presence on the university premises, as well as with the regulations, directives, rules, and procedures in force at Poznan University of Technology for dealing with situations posing threats to safety, including fire safety.

Course-related learning outcomes

Knowledge:

The student defines and describes in-depth legal, ethical, social, and psychological aspects considered in professional activities in the field of safety engineering, particularly in the area of occupational safety [P7S_WK_01].

Skills:

The student identifies changes in requirements, standards, regulations, innovations, and technological progress as well as economic realities, and appropriately utilizes them in solving problems in the area of

occupational safety, taking into account the principles of ergonomics [P7S_UW_06].

The student identifies and recognizes hazards in the work environment, assesses their impact on the individual, organization, and its stakeholders, and indicates methods aimed at minimizing the effects of hazards considering eco-friendly solutions in the field of occupational safety [P

Social competences:

The student correctly identifies and resolves dilemmas related to broadly defined safety in the area of their work, understands the necessity of raising public awareness in the need for developing safety in various areas of organizational functioning [P7S_KK_02].

The student is ready to initiate actions related to improving occupational safety, considering eco-friendly solutions [P7S_KK_03].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative Assessment:

Lecture: based on responses to current questions regarding issues discussed during the lecture.

Summative Assessment:

Lecture: passing in the form of a test in which at least one answer is correct (a response is scored as 0 or 1); a student passes after achieving at least 80% of the possible points.

Programme content

Lecture: labor law regulations on occupational safety and health; hazards of dangerous, harmful and noxious factors; hazardous incidents and accidents at work, accidents involving a student; characteristics of methods of protection against hazards; accident and emergency management; fire protection and first medical aid.

Course topics

Selected legal regulations in the field of labor law, concerning health and safety at work, including:

- a) the rights and obligations of students and the University in the field of occupational health and safety and liability for violation of health and safety rules and regulations,
- b) accidents and diseases,
- c) prevention in the field of student health protection.

Impact of hazardous, harmful and nuisance factors on safety and health. Assessment of hazards occurring in learning and working processes as well as characteristics of hazards protection methods.

Problems related to the organization of workstations, including ergonomics, including workstations with screen monitors and other office equipment.

Proceedings in the event of accidents and emergency situations (e.g. fire, breakdowns), including rules on providing first aid for victims of accidents.

Teaching methods

Teaching Methods Lecture: The subject is conducted in the form of a conventional informational lecture, supported by multimedia presentations. During the lecture, problem-solving and student-activating methods are used, involving educational films and the analysis of typical situations - case studies.

Bibliography

Basic:

1. Statute of the Poznan University of Technology adopted by the Senate of the Poznan University of Technology (Resolution No. 175/2016-2020 of 10 July 2019).
2. Regulations for full-time and part-time first and second degree studies, adopted by the Senate of the Poznan University of Technology (Resolution No. 42/2020-2024 of 31 May 2021).
3. Regulation of the Minister of Science and Higher Education of 30 October 2018 on the method of ensuring safe and hygienic working and learning conditions at universities (Journal of Laws 2018, item 2090).

Additional:

1. Holt A.S.J, Allen J., Principles of Health and Safety at Work, 2015, 8th Edition, Routledge.

2. Sarode A.P., Shirsath M., The factors affecting employee work environment & it's relation with employee productivity, International Journal of Science and Researc, 2014, pp. 2735-2737.

Breakdown of average student's workload

	Hours	ECTS
Total workload	4	0,00
Classes requiring direct contact with the teacher	4	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00