



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

A Short Course in Occupational Safety [N1Energ2>SzBHP]

### Course

Field of study

Power Engineering

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

part-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

dr inż. Sebastian Kubasiński

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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 [P7S\_UW\_10].

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 85% 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

Lecture: Selected legal regulations in the field of labor law related to occupational safety and health, including: rights and duties of students and the University in the area of occupational safety and health, and liability for violations of occupational health and safety regulations and principles, accidents and illnesses, prevention in the field of student health protection. The impact of hazardous, harmful, and annoying factors on safety and health. Assessment of threats occurring in learning and working processes and characteristics of methods of protection against threats. Problems related to the organization of workstations, including principles of ergonomics, including workstations equipped with screen monitors and other office devices. Procedures in the event of accidents and emergency situations (e.g., fire, failure), including the principles of providing pre-medical first aid to accident victims.

## 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. Statut Politechniki Poznańskiej uchwalony przez Senat Akademicki Politechniki Poznańskiej [Statute of the Poznań University of Technology adopted by the Academic Senate of the Poznań University of Technology] (Uchwała Nr 175/2016-2020 z dnia 10 lipca 2019 roku) [Resolution No. 175 / 2016-2020 of July 10, 2019].

2. Regulamin studiów stacjonarnych i niestacjonarnych pierwszego i drugiego stopnia, uchwalony przez Senat Akademicki Politechniki Poznańskiej [Regulations of full-time and part-time first and second cycle studies, adopted by the Academic Senate of the Poznań University of Technology] (Uchwała Nr 154/2016-2020 z dnia 24 kwietnia 2019 r.) [Resolution No. 154 / 2016-2020 of April 24, 2019].

3. Rozporządzenie Ministra Nauki i Szkolnictwa Wyższego z dnia 30 października 2018 r. w sprawie sposobu zapewnienia w uczelni bezpiecznych i higienicznych warunków pracy i kształcenia (Dz. U. 2018, poz. 2090) [Regulation of the Minister of Science and Higher Education of 30 October 2018 on how to

ensure safe and hygienic working and education conditions at the university (Journal of Laws 2018, item 2090)]

Additional

1. Ustawa z dnia 20 lipca 2018 r., Prawo o szkolnictwie wyższym i nauce (tekst jedn.: Dz. U. 2021, poz. 478, ze zm.)[Act of 20 July 2018, Law on Higher Education and Science (consolidated text: Journal of Laws 2021, item 478, as amended)].

2. Górny A., Zastosowanie środków technicznych i działań organizacyjnych w poprawie warunków pracy, Studia Ekonomiczne Regionu Łódzkiego, 2017, nr 24, ss. 205-216.

3. Konarska M., Gedliczka A. (2001), Sprawdź, czy twoje stanowisko pracy z komputerem jest ergonomiczne, Centralny Instytut Ochrony Pracy, Warszawa, 2001.

4. Doskonalenie bezpieczeństwa pracy w świetle wymagań ISO 45001 / Sebastian Kubasiński (WIZ), Małgorzata Sławińska (WIZ) // W: Nauka i praktyka w bezpieczeństwie pracy, środowisku i zarządzaniu / red. Danuta Zwolińska - Katowice, Polska : Wyższa Szkoła Zarządzania Ochroną Pracy, 2019 - s. 131-142.

### 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