COURSE DESCRIPTION CARD - SYLLABUS

Course name
A Short Course in Occupational Safety [S2IZarz1>BHP]

Course

Field of study
Engineering Management

Year/Semester
1/1

Area of study (specialization)
Enterprise Resource and Process Management

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

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:
1. The student has in-depth knowledge of methods and tools concerning information and decision-making processes in the area of occupational safety in the company [P7S_WG_02].

Skills:
1. The student has the ability to use the acquired knowledge in different scopes and forms, extended by a critical analysis of the effectiveness and usefulness of the applied knowledge in solving problems in the area of occupational safety [P7S_UW_03],

2. The student has the ability to independently propose solutions to a specific management problem and to carry out a procedure of decision-making in this respect, as well as to indicate methods of conduct aimed at minimising the effects in the field of occupational safety [P7S_UW_04].

Social competences:
1. The student is aware of the interdisciplinary nature of the knowledge and skills needed to solve complex problems, understands the need to make the public aware of the need to shape security in various areas of the organisation's functioning [P7S_KK_01],
2. The student is able to perceive cause-and-effect relations in realisation of set objectives and rank the significance of alternative or competitive tasks related to improvement of work safety, taking into account pro-ecological solutions [P7S_KK_02].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:
- lecture classes: based on answers to current questions about issues discussed during the lecture.
Summative rating:
- lecture classes: written test in the form of a test in which at least one answer is correct (the answer is scored as 0 or 1); the student receives credit after obtaining at least 80% of points possible to obtain.

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. 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 3 July 10, 2019].
2. Regulamin studiów stacjonarnych i niestacjonarnych uchwalony przez Senat Akademicki Politechniki Poznańskiej [Regulations of full-time and part-time studies, adopted by the Academic Senate of the Poznań University of Technology] (Uchwała Nr 55/2024-2028 z dnia 30 kwietnia 2025 r.) [Resolution No. 55/2024-2028 of April 30, 2025].
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. 2023, poz. 742, ze zm.) [Act of 20 July 2018, Law on Higher Education and Science (consolidated text: Journal of Laws 2023, item 742, 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. Kubasiński S., Sławińska M., Doskonalenie bezpieczeństwa pracy w świetle wymagań ISO 45001, 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