COURSE DESCRIPTION CARD - SYLLABUS

Course name
Occupational Health and Safety Training [S1MiKC1E>BHP]

Course

Field of study
Microelectronics and Digital Communication

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

dr hab. inż. Joanna Zembrzuska prof. PP
joanna.zembrzuska@put.poznan.pl

Lecturers

dr hab. inż. Joanna Zembrzuska prof. PP
joanna.zembrzuska@put.poznan.pl

Prerequisites

The student is capable of making responsible decisions and taking action in emergency situations. NOTE: Student participation in the classes is mandatory.

Course objective

Familiarizing students with health and life hazards related to their presence on the University premises, as well as with the regulations, directives, ordinances, and rules in force at Poznań University of Technology concerning procedures in situations that pose safety threats, including fire safety.

Course-related learning outcomes

Knowledge:
1. Knows the principles of accountability for ensuring safety that apply at Poznań University of Technology, including their own scope of responsibilities and duties. [K1_W20]
2. Knows the fundamental principles of occupational safety and health, as well as ergonomics, applicable at Poznań University of Technology. [K1_W21]

Skills:

1. Is able to obtain information from literature, databases, and other suitably selected sources necessary to ensure safe functioning at Poznań University of Technology, as well as to draw conclusions and formulate and justify their own opinions.
2. Is able to apply occupational safety and health principles appropriate to maintaining safety while on the premises of Poznań University of Technology.

Social competences:
1. Has an awareness of responsibility for their own work and is ready to follow team working principles and assume responsibility for jointly performed tasks.
2. Is conscious of their responsibility for both personal safety and the safety of others, and is able to take appropriate action in dangerous situations.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: During lectures, based on responses to ongoing questions about topics discussed in class.
Summative assessment: A written test in which at least one answer is correct (each answer is scored as either 0 or 1). A student passes upon achieving at least 80% of the total possible points.

Programme content

Ensuring safety while on the premises of Poznań University of Technology. Ability to act appropriately in the event of a threat or emergency.

Course topics

Selected legal regulations under labor law concerning occupational safety and health, taking into account:
a) the rights and obligations of students and the University in the field of occupational safety and health, as well as liability for violations of OHS (Occupational Health and Safety) regulations and principles,
b) accidents and occupational diseases,
c) preventive measures in the area of student health protection.
The impact of hazardous, harmful, and burdensome factors on safety and health. An assessment of hazards occurring in learning and work processes, along with a description of methods for protecting against such hazards. Issues related to the organization of workstations, taking into account ergonomic principles, including those equipped with computer monitors and other office devices.
Procedures in the event of accidents and emergency situations (e.g., fire, breakdown), including the principles of providing first aid to accident victims.

Teaching methods

The course is conducted in the form of a traditional informational lecture, supported by a multimedia presentation, and supplemented by the analysis of typical situations. Optionally, a film illustrating examples may also be presented.

Bibliography

Basic:
1. Statut Politechniki Poznańskiej uchwalony przez Senat Akademicki Politechniki Poznańskiej (Uchwała Nr 175/2016-2020 z dnia 10 lipca 2019 roku, zmieniona Uchwałą Nr 225/2016-2020 z dnia 28 maja 2020 roku).
2. Regulamin studiów pierwszego i drugiego stopnia, uchwalony przez Senat Akademicki Politechniki Poznańskiej (Uchwała Nr 42/2020-2024 z dnia 31 maja 2021 r.).
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).

Additional:
1. Ustawa z dnia 20 lipca 2018 r., Prawo o szkolnictwie wyższym i nauce (tekst jedn.: Dz. U. 2023, poz. 742, ze zm.).

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., Sprawdź, czy twoje stanowisko pracy z komputerem jest ergonomiczne, Centralny Instytut Ochrony Pracy, Warszawa, 2001.

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