COURSE DESCRIPTION CARD - SYLLABUS

Course name
A short course in occupational safety [S2EJ1>PSBHP]

Course

Field of study
Nuclear Power Engineering

Year/Semester
1/1

Area of study (specialization)
–

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 able to make responsible decisions and actions in an emergency. Note (*). - participation of students in classes is obligatory, - second-cycle students who have completed first-cycle studies at the Poznań University of Technology no later than in the last two years do not have to participate in the training, provided that they showed the Diploma Supplement, which includes the Short Course in Occupational Safety.

Course objective

The student recognizes the basic hazards to health and life that are associated with his stay at the University. The student familiarize with the applicable regulations, management, regulations and rules of conduct in the event of hazards to occupational health and safety and fire safety at the Poznań University of Technology.

Course-related learning outcomes

Knowledge:
1. A student has an in-depth understanding of the economic, legal, ethical, social and psychological aspects considered in professional activities in the areas of safety engineering, especially a occupational

safety.

Skills:
1. A student can identify changes of requirements, standards, regulations, innovations and technological as well as economic reality and correctly use them in process of sovling problems in the area of occupational safety work taking into account the principles of ergonomics.
2. A student can identify and recognize threats in work environment, assess their influence for unit, organization and their stakeholders as well as indicate the methods of proceeding focused on minimizing results of threats taking into account proenvironmental solutions in the area of work safety.

Social competences:
1. A students correctly identifies and resolves dilemas related to widely understood field of safety in the area of work, understands the need to make the public aware of need to form security in various areas of organization's operation.
2. A student is ready to initiate activities related to impriving work safety taking into account environmental solutions.

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: credit in the form of a test (18 questions) in which one answer is scored (the answer is scored as 0 or 1); the student receives credit after obtaining at least 75% of points possible to obtain.

Programme content

Lecture classes: Selected legal regulations in the field of labor law, concerning health and safety at work, including: 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, accidents and diseases, 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.

Course topics

none

Teaching methods

Lecture classes: The course is conducted in the form of a conventional informative lecture, supported by a multimedia presentation. During the lecture, problem-based and activating methods are used with the use of didactic 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 pierwszego i drugiego stopnia, 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 42/2020-2024 z dnia 31 maja 2021 r.) [Resolution No. 42 3 / 2020-2024 of May 31, 2021].
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)].
4. Zarządzenie Nr 5 Rektora Politechniki Poznańskiej z dnia 30 stycznia 2023 r., w sprawie szkolenia z zakresu bezpiecznych i higienicznych warunków kształcenia dla studentów, doktorantów i słuchaczy studiów podyplomowych Politechniki Poznańskiej (RO/I/5/2023) [Resolution No. 5 of the Rector of Poznań University of Technology of January 30, 2023 on training in safe and hygienic conditions of education for students, doctoral students and post-graduate students of Poznań University of Technology (RO/I/5/2023)]

Additional:
1. Górny A., Zastosowanie środków technicznych i działań organizacyjnych w poprawie warunków pracy, Studia Ekonomiczne Regionu Łódzkiego, 2017, nr 24, ss. 205-216.
2. Kamińska J., Tokarski T., Jak zorganizować ergonomiczne stanowisko z komputerem?, Centralny Instytut Ochrony Pracy, Warszawa, 2016.
3. Kubasiński S., Sławińska M., Doskonalenie bezpieczeństwa pracy w świetle wymagań ISO 45001, 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