



COURSE DESCRIPTION CARD - SYLLABUS

Course name

A Basic Course in Health and Safety

Course

Field of study

Materials Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

4

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

0

Lecturers

Responsible for the course/lecturer:

mgr inż. Sebastian Kubasiński

Responsible for the course/lecturer:

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Faculty of Engineering Management

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Prerequisites

The student is able to make responsible decisions and actions in an emergency.

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. He/she has knowledge indispensable to understand social, economic, legal and other non-technological determinants of engineering. He/she knows how to communicate, act ethically, carry out economic calculation [K_W17].

Skills

1. While formulating and solving engineering tasks he/she knows how to take into account their system as well as non- technical aspects [K_U11].

2. He/she is well prepared to work in an industry environment and is familiar with safety rules in the workplace; he/she knows how to apply manufacturing technologies in order to form products, their structures and properties, design and implement materials recycling technologies [K_U12].

Social competences

1. He/she is aware of the importance and understanding of non-technical aspects and results of engineering activities including its influence on the environment involving responsibility for decisions taken [K_K02].

2. He/she knows how to cooperate and work in teams assuming various roles within [K_K03].

3. He/she knows how to correctly identify and resolve dilemmas intrinsic to the profession [K_K05].

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 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 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.



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 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 42/2020-2024 z dnia 31.05.2021 r.) [Resolution No. 42/2020-2024 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)].

Additional

1. Ustawa z dnia 3 marca 2022 r., Prawo o szkolnictwie wyższym i nauce (tekst jedn.: Dz.U. 2022 poz. 574).
2. Górny A., Zastosowanie środków technicznych i działań organizacyjnych w poprawie warunków pracy, Studia Ekonomiczne Regionu Łódzkiego, 2017, nr 24, ss. 205-216.
3. Kamińska J., Tokarski T., Jak zorganizować ergonomiczne stanowisko z komputerem?, Centralny Instytut Ochrony Pracy, Warszawa, 2016.
4. 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	0,0
Classes requiring direct contact with the teacher	4	0,0
Student's own work ¹	0	0,0

¹ delete or add other activities as appropriate