



COURSE DESCRIPTION CARD - SYLLABUS

Course name

A Short Course in Occupational Safety [S2Bioinf2>BHP]

Course

Field of study
Bioinformatics

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 (e.g. online)
0

Tutorials
0

Projects/seminars
0

Number of credit points

0,00

Coordinators

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

mgr Daniel Kańduła
daniel.kandula@put.poznan.pl

dr hab. inż. Ewa Stanisław
ewa.stanislaw@put.poznan.pl

dr inż. Aleksandra Dewicka-Olszewska
aleksandra.dewicka-olszewska@put.poznan.pl

Lecturers

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

mgr Daniel Kańduła
daniel.kandula@put.poznan.pl

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:

- The student has knowledge on the principles of liability for ensuring safety in the area at Poznan University of Technology, including its scope of responsibilities and obligations,
- has knowledge on the basic principles of occupational health and safety and ergonomics in the area at Poznan University of Technology.

Skills:

- The student is able to obtain information from literature, databases and other properly selected sources, necessary to ensure safe functioning at the Poznań University of Technology, as well as draw conclusions,
- is able to see system and non-technical aspects in engineering tasks, as well as socio-technical, organizational and economic,
- is able to prepare the necessary resources for work and knows the safety rules related to this work and can enforce their use in practice.

Social competences:

- The student is aware of the understanding of non-technical aspects and effects of engineering activities, including its impact on the environment and the related responsibility for decisions made,
- is aware of the responsibility for own and other people's safety, is able to take appropriate action in emergencies.

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 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

Ensuring safety while staying at the Poznań University of Technology. The ability to behave in the event of a hazard.

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 / failures), including rules on providing first aid for victims of accidents.

Teaching methods

The course is conducted in the form of a conventional informative lecture, supported by a multimedia presentation, supplemented with an analysis of typical situations.

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 / 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/II/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/II/5/2023)].

Additional:

1. Ustawa z dnia 20 lipca 2018 r., Prawo o szkolnictwie wyższym i nauce (tekst jedn.: Dz. U. 2022, poz. 574, ze zm.) [Act of 20 July 2018, Law on Higher Education and Science (consolidated text: Journal of Laws 2022, item 574, 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.

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