



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

OCCUPATIONAL HEALTH AND SAFETY (OHS) TRAINING [S5SD1>BHP]

### Course

Proposed by Discipline

–

Year/Semester

1/1

Level of study

Doctoral School

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

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### Lecturers

dr inż. Wiktoria Czernecka

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### Prerequisites

Knowledge: basic knowledge of mechanics. Skills: following new procedures. Social competencies: is responsible for others and able to follow the health and safety rules, can cooperate within a team.

### Course objective

To acquaint doctoral students with the directives and regulations concerning safety, hygiene at work and fire protection; and gathering knowledge in the field of: a) assessment of hazards related to work and study, b) methods of protection against health and safety risks, c) shaping working and learning conditions in a manner consistent with the provisions and principles of occupational health and safety, d) proceedings in the event of an accident and emergency situations.

### Course-related learning outcomes

Knowledge

A PhD student who graduated from doctoral school knows and understands:

1. fundamental dilemmas of contemporary civilization, [P8S\_WK/SzD\_W05]
2. economic, legal, ethical and other important conditions of research work. [P8S\_WK/SzD\_W06]

Skills

A PhD student who graduated from doctoral school can:

1. communicate on the subject of specialization to a degree permitting active participation in international scientific community. [P8S\_UK/SzD\_U04]

#### Social competencies

A PhD student who graduated from doctoral school is ready to:

1. fulfilling the social obligations of researchers and creators. [P8S\_KO/SzD\_K04]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Method for verification of learning outcomes: test.

Number of correct answers 66%.

### Programme content

1. Basic health and safety issues (principles of safe work, methods of dealing with hazards).
2. First aid (help in cases of cardiac arrest, burns, wounds, etc).
3. Crisis situations (procedures in case of fire and other threats to life).
4. Ergonomics (principles of health maintain at work).

### Course topics

Legal basis for occupational safety in Poland

Organisational changes at PUT resulting from Covid-19

Health and safety risks at the university

Occupational risk assessment

Accidents at work

First aid

Fire protection

Evacuation procedures

Principles of personal protective equipment

Importance of periodic training in occupational health and safety

Ergonomics in the workplace

Safety culture at Poznan University of Technology

### Teaching methods

Lecture: multimedia presentation including illustrations and examples.

### 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 154/2016-2020 z dnia 24 kwietnia 2019 r.) [Resolution No. 154 / 2016-2020 of April 24, 2019].
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. Rączkowski, B. (2020). BHP w praktyce (Occupational health and safety in practice). ODDK Spółka z ograniczoną odpowiedzialnością Spółka komandytowa.
2. Ewertowski, T., & Butlewski, M. (2022). Managerial Perception of Risk in an Organization in a Post-COVID-19 Work Environment. International Journal of Environmental Research and Public Health, 19(22),

14978.

3. Czernecka, W., & Butlewski, M. (2024). Success Factor Driven Adaptive Approach to Pro-ergonomic Project Management. In International Scientific-Technical Conference MANUFACTURING (pp. 395-408). Cham: Springer Nature Switzerland.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	6	0,00
Classes requiring direct contact with the teacher	4	0,00
Doctoral student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation)	2	0,00