COURSE DESCRIPTION CARD - SYLLABUS

Course name
Industrial facilities security

Course

Field of study
Safety Engineering

Year/Semester
3/6

Area of study (specialization)

Profile of study
general academic

Level of study
First-cycle studies

Course offered in
Polish

Form of study
full-time

Requirements
elective

Number of hours

Lecture
15

Laboratory classes

Other (e.g. online)

Tutorials
15

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:
dr inż. Krzysztof Kubiak

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dr inż. Krzysztof Kubiak

Prerequisites

The student starting this subject should have a basic knowledge of the basics of safety engineering. He should also be able to obtain information from specified sources and be willing to cooperate as part of a team.

Course objective

Providing students with basic knowledge in the field of safety of of industrial facilities.

Course-related learning outcomes

Knowledge

1. Knows the subject and role of safety in the context of the industrial facilities [P6S_WG_02, P6S_WK_01]

2. Knows the technical conditions to be met by buildings and places of work located in buildings [P6S_WG_05, P6S_WK_03]

3. Knows the risks arising from industrial facilities[P6S_WG_03]

4. Knows the instructions for the safe performance of industrial facilities [P6S_WG_05]

Skills

1. The student can solve simple problems within safety engineering [P6S_UW_05, P6S_UU_01]

2. The student is able to apply safety rules to work in a industrial facilities [P6S_UW_05]

3. The student can develop a plan BIOZ [P6S_UW_05, P6S_UK_01]

Social competences

1. The student willingly and actively discusses topics related to safety of industrial facilities [P6S_KR_02]

2. The student independently and critically develops his/her knowledge and skills with reference to other academic disciplines [P6S_KK_02]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Preliminary assessment:

a) in terms of the tutorials:

Current assessment of the students activity in class (questions of the lecturer), assessment of a part of the case.

b) in terms of lectures:

Asking questions referring to the content of previous lectures during the following lecture

Summary assessment:

Lectures: case study

Tutorials: preparation of the case

Programme content

Technical conditions to be met by buildings and places of work located in buildings. Heating and ventilation work. Lighting of work, escape lighting, security lighting. Danger zone in the work rooms, workrooms dimensions. The freedom of movement in the workplace. Preparation of the premises and workplaces.

Teaching methods

1. Lecture: multimedia presentation, illustrated with examples on the board.

2. Tutorial: case study

Bibliography

Basic

1. A. S. Markowski, Bezpieczeństwo procesów przemysłowych, Politechnika Łódzka, 2017

2. P. Sienkiewicz, Inżynieria systemów bezpieczeństwa, PWE, Warszawa, 2015

Additional

1. K.K. Booss, BIOZ Bezpieczeństwo i ochrona zdrowia na budowie, Ośrodek Informacji Technika instalacyjna w budownictwie, Warszawa 2006

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	25	1,0

[1] delete or add other activities as appropriate