COURSE DESCRIPTION CARD - SYLLABUS

Course name
Safety of construction work [N1IBiJ1>BPB]

Course

Field of study
Safety and Quality Engineering

Year/Semester
3/5

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
part-time

Requirements
compulsory

Number of hours

Lecture
9

Laboratory classes
0

Other
0

Tutorials
9

Projects/seminars
9

Number of credit points

4,00

Coordinators

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Lecturers

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 construction works

Course-related learning outcomes

Knowledge:
1. Knows at an advanced level issues related to the identification, analysis and assessment of risk in the assessment of construction works [K1_W03].
2. Knows at an advanced level phenomena related to the cycle of objects, systems and technical systems [K1_W06].
3. Knows the fundamental dilemmas of modern civilization and development trends as well as best practices in the organization of construction works [K1_W10].

Skills:
1. Is able to prepare the necessary resources for work in an industrial environment and knows the safety rules related to this work and is able to enforce their application in practice [K1_U05].
2. Is able to identify changes in requirements, standards, regulations, technical progress and labor market reality in the context of construction works, and on their basis determine the need to supplement knowledge [K1_U12].

Social competences:
1. Is aware of the importance of knowledge in solving problems in the field of safety engineering and continuous improvement [K1_K02].
2. Is aware of responsibility for one's own work and is ready to comply with the principles of teamwork and take responsibility for jointly performed tasks. [K1_K07].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Preliminary assessment:
a) in terms of lectures:
Asking questions referring to the content of previous lectures during the following lecture
b) in terms of the tutorials:
Current assessment of the students activity in class (questions of the lecturer), assessment of a part of the case.
c) in terms of projects:
Preparation part of the project.
Summary assessment:
Lectures: case study
Tutorials: preparation of the case
Projects: preparation of the project

Programme content

Issues relating to the safety of construction work, including in particular technical conditions on site, risks in the construction industry, site landscaping, the Health and Safety Plan.

Course topics

Lectures:
1. Technical conditions to be met by buildings and places of work located in buildings.
2. Threats in the construction industry and methods of their identification.
3. Development of the construction site.
4. The safety performance of construction work, repairs and maintenance.
5. BioZ plan.
6. User safe execution of works.
Tutorials: Students perform tasks related to safety on the construction site (based on the subject of the lectures).
Projects: Students perform project related to safety on the construction site.

Teaching methods

Lecture: multimedia presentation, illustrated with examples on the board.
Tutorial: case study
Project: Preparation of the project

Bibliography

Basic:
1. B. Hoła, Bezpieczeństwo pracy w procesach budowlanych, Oficyna Wyd. Politechniki Wrocławskiej 2016
2. T. Laurowski, BHP na budowie, Wyd. KeBe, Krosno 2016

Additional:

1. praca zbiorowa, Bezpieczeństwo pracy w budownictwie, Wyd. Unimedia Sp . z o.o., 2012
2. 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	100	4,00
Classes requiring direct contact with the teacher	27	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	73	3,00