COURSE DESCRIPTION CARD - SYLLABUS

Course name

Formation the safety of articles

Course

Field of study

Safety Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

10

Laboratory classes

Other (e.g. online)

Tutorials

14

Projects/seminars

10

Number of credit points

5

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

Prerequisites

The student starting this course should have basic knowledge of ergonomics and work psychology. The student is able to recognize and analyze cause-and-effect relationships in the area of health and safety and is aware of the importance of human behavior in the process of ensuring work safety.

Course objective

To familiarize students with the global idea of a safety culture, in particular the concept of a safety culture at work. Acquiring by students the ability to perceive various aspects of security culture and connect them around a common idea of shaping personal and group security. Convincing students to use available tools to measure the safety climate at work in order to build the desired level of safety culture in the enterprise and beyond.

Course-related learning outcomes

Knowledge

1. The student knows the issues of management and organization in the context of building the desired culture of work safety [P6S_WG_08]

2. The student knows the problems arising from the activities of enterprises in the market environment, understands the mutual relationship between them and the role played by management and employees in this relationship in relation to security [P6S_WK_06]

Skills

1. The student is able to properly choose the sources and information derived from them, based on them to analyze, synthesize and evaluate problems in the field of shaping a safety culture [P6S_UW_01]

2. Student is able to see in engineering tasks systemic and non-technical aspects as well as socio-technical, organizational and economic aspects, which affect the need to model employee behavior towards a high safety culture [P6S_UW_03]

3. Student is able to use various research methods to formulate and solve engineering tasks, taking into account the human factor in shaping the desired level of security, including cultural differences [P6S_UW_04]

4. The student is able to present, using properly selected means, a problem related to the process of shaping a security culture, barriers in this process and possible ways of overcoming them [P6S_UK_01]

Social competences

1. The student is aware of the responsibility for own work and readiness to comply with the rules of teamwork and taking responsibility for jointly implemented tasks to achieve team goals [P6S_KR_02]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

forming assessment:

Lecture: knowledge is verified by two tests: after the third and sixth teaching unit (checking knowledge of basic concepts and principles of analysis in relation to the problem posed). Pass mark: 50% +1.

Exercises: social skills and competences are verified by issuing partial assessments resulting from: prepared presentation for a selected topic, implementation of subsequent tasks and activities during the analysis of problem issues. Pass mark: 50% +1.

Project: social skills and competences are verified by on the basis of subsequent parts of the project presented within the prescribed period. Pass mark: 50% +1.

Summative rating:

Lecture: knowledge is verified by a written summary test. Pass mark: 50% +1.

Exercises: average of partial grades. Pass mark: 50% +1.

Project: average of partial grades of substantive evaluation of the project + grade for the editing level. Pass mark: 50% +1.

Programme content

Lecture: Theoretical foundations of safety culture. Safety sectors and their contribution to the understanding of safety culture. Work safety culture. Organizational culture and safety culture - determinants and correlations. Designations of high safety culture at work - technical level. Designators of high occupational safety culture - organizational and psychosocial level. Safety culture and safety climate - relationship model.

Exercises: Cultural differences in the work environment and their impact on work organization. Cultural differences in work environment and their influence on safety feeling at work. Work safety culture and accident rate (analysis of statistical data). Methods of measuring safety culture at work - selection of techniques and tools. Methods of forming high safety culture.

Project: Preparing the project entitled: Diagnosis of safety culture among students of safety engineering. Guidelines for the project. Editorial requirements. Analysis of theoretical assumptions for the project. Research problem and research questions. Selection of the method and research technique. Implementation of the various stages of the project.

Teaching methods

Lecture: multimedia presentation illustrated with examples, informative lecture, conversational lecture.

Exercises: multimedia presentation illustrated with examples, practical exercises, chat, exposing methods (film, show), panel discussion, simulating expert debates, case study, brainstorming.

Project: current consultations to the project.

Bibliography

Basic

1. Sadłowska-Wrzesińska J. Kultura bezpieczeństwa pracy. Rozwój w warunkach cywilizacyjnego przesilenia, Oficyna Wydawnicza Aspra-JG, Warszawa, 2018.

2. Sadłowska-Wrzesińska J., Lewicki L., Podstawy bezpieczeństwa i zdrowia w pracy, Wyd. WSL, Poznań, 2018.

3. Rakowska A. (red.), Kultura bezpieczeństwa w przedsiębiorstwie. Modele, diagnoza, kształtowanie, CeDeWu Warszawa, 2013.

4. Ejdys J., Kształtowanie kultury bezpieczeństwa i higieny pracy w organizacji, dostęp: http://pbc.biaman.pl/Content/27652/Kszta%C5%82atowanie_kultury_bezpiecze%C5%84stwa_i_higieny_pracy.pdfSadłowska-Wrzesińska J., Znaczenie komunikacji interpersonalnej w procesie kształtowania wysokiej kultury bezpieczeństwa pracy, w: M. Kunasz (red.)., BPM vs. HRM, Seria Zarządzanie procesami w teorii i praktyce, Zeszyt nr 4, Szczecin 2016, ss. 95-107.

Additional

1. Lewicki L., Sadłowska-Wrzesińska J., Istotne aspekty BHP, Wyd. WSL, Poznań 2014.

2. Sadłowska-Wrzesińska J., Promowanie bezpieczeństwa i zdrowia w pracy a kształtowanie kultury bezpieczeństwa, [w]: AUNC, Acta Universitatis Nicolai Copernici Zarządzanie, ss.173-185. DOI: http://dx.doi.org/10.12775/AUNC_ZARZ.2016.012.

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,0
Classes requiring direct contact with the teacher	35	1,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests, project preparation)[1]	90	3,5

[1] delete or add other activities as appropriate