POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

# COURSE DESCRIPTION CARD - SYLLABUS

Course name
Formation the safety of articles

## Course

| | |
|---|---|
| Field of study | Year/Semester |
| Safety engineering | 2/4 |
| Area of study (specialization) | Profile of study |
| | general academic |
| Level of study | Course offered in |
| First-cycle studies | Polish |
| Form of study | Requirements |
| part-time | elective |

## Number of hours

| Lecture | Laboratory classes | Other (e.g. online) |
|---|---|---|
| 10 | 0 | 0 |
| Tutorials | Projects/seminars | |
| 14 | 10 | |

**Number of credit points**
5

## Lecturers

Responsible for the course/lecturer:

dr hab. Joanna Sadłowska-Wrzesińska

Institute of Safety Engineering

 Risk and Quality Management Department

email: joanna.sadlowska-
wrzesinska@put.poznan.pl

Responsible for the course/lecturer:

## Prerequisites
The student has a basic knowledge of ergonomics and work psychology. The student is able to recognize

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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

- The student knows the issues of management and organization in the context of building the desired culture of work safety P6S_WG_08

- 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

- 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

- 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

- 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

- 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

- 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:

- 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);

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- 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; on the basis of subsequent parts of the project presented within the prescribed period

Summative rating:

knowledge is verified by a written summary test; passing threshold: 50% + 1;

exercises - average of partial grades;

project - average of partial grades of substantive evaluation of the project + grade for the editing level.

## Programme content

1. Theoretical foundations of a safety culture. Security sectors and their participation in the understanding of a safety culture. 2. Organizational culture and security culture - conditions and correlations. Work safety culture. 4. Safety culture and safety climate - relationship model. Accident versus safety culture. 5. Methods for measuring the safety climate at work.

## Teaching methods

-lecture

- informative lecture, conversational lecture,

exercises

- displaying methods (film, show), seminar discussion, simulating expert debates, case study, brainstorming,

design

- ongoing consultations.

## 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.

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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 | 100 | 5,0 |
| Classes requiring direct contact with the teacher | 34 | 2,0 |
| Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1] | 66 | 3,0 |

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[1] delete or add other activities as appropriate