



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Safety of work

### Course

Field of study

Construction and Exploitation of Means of Transport

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

Polish

Requirements

elective

### Number of hours

Lecture

9

Laboratory classes

0

Other (e.g. online)

Tutorials

0

Projects/seminars

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

dr Jerzy S. Marcinkowski

Responsible for the course/lecturer:

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FACULTY OF ENGINEERING MANAGEMENT

### Prerequisites

Knowledge: Student has a basic knowledge concerning secondary school safe residence principles.

Skills: Student is able to learn with understanding and use textbooks.

Social competence: Student is aware of the purpose of learning and acquiring new knowledge from the scope of work safety through the entire life.

### Course objective

The aim of the course is to introduce student with the basic: theoretical and practical problems of safety at work



### Course-related learning outcomes

#### Knowledge

1. Student is aware of latest trends in machine construction, i.e. increase safety of work and operating comfort
2. Student has basic knowledge about how the technology changes affect organization of social life, physical and mental health in man - machine relation

#### Skills

1. Student is able to gather information from literature, the Internet, databases and alternative sources. Student is able to integrate obtained information, to interpret them, learn a lesson from them, create and make opinions on their base.
2. Student is able to apply basic technical standards concerning standards, safety of work and the recycling

#### Social competences

Student is ready to recognize significance of the knowledge in cognitive and practical problem solving, and also drawing the opinion from experts in the case of difficulty with solving the problem by himself

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Evaluation based on the written test conducted in examination session after completion learning at II semester. Assessment also takes into account the student's activity during classes.

### Programme content

1. Conditions implementation safety of work issues
2. Traditional approach safety of work
3. Consequences of non-compliance principles of safe and hygienic work and the principles of its shaping
  - 3.1. Accident at work
  - 3.2. Occupational disease
4. Basic information on preventive health protection of employees
5. Contemporary approach to safety of work issue
6. Legal aspects safety of work
  - 6.1. Legal aspects safety of work in EU directives
  - 6.2. Legal aspects safety of work in Labor Code
  - 6.3. Legal aspects safety of work in state standards, industry and ministerial regulations



7. Techniques and prevention in safety of work
8. Assessment measures of safety of work
9. Principles of ensuring safety of work with machines and devices according to European requirements

### Teaching methods

Informative lecture (conventional)

### Bibliography

Basic

1. Jerzy S. Marcinkowski, Podstawy bezpieczeństwa pracy, Wyd. PP, 2011
2. Ustawa z dnia 26 czerwca 1974 r. Kodeks pracy (tekst jednolity: Dz. U. 2016, poz. 1666, ze zm.).
3. Web site: <https://www.wiedza.pkn.pl>
4. Wiesława Horst, Ergonomia z elementami bezpieczeństwa pracy, Wyd. PP, 2006
5. Jerzy S. Marcinkowski, Wiesława. M. Horst, Podstawy zarządzania bezpieczeństwem i zdrowiem w pracy, Wyd. PP, Poznań, 2012
6. Wiesława. M. Horst i inni. Ergonomia z elementami bezpieczeństwa i ochrony zdrowia w pracy. Zasady i wymagania związane z indywidualnymi cechami człowieka, Wyd. PP, Poznań, 2011
7. Wiesława. M. Horst i inni. Ergonomia z elementami bezpieczeństwa i ochrony zdrowia w pracy. Zasady i wymagania związane z indywidualnymi cechami człowieka, Wyd. PP, Poznań, 2011
8. Wiesława . M. Horst i inni. Ergonomia z elementami bezpieczeństwa i ochrony zdrowia w pracy. Zasady i wymagania związane z odbiorem i przetwarzaniem bodźców. Wyd. PP, Poznań, 2011

Additional

1. Miesięcznik Atest chrona pracy
2. Miesięcznik Przyjaciół przy pracy
3. Miesięcznik Bezpieczeństwo Pracy
4. Web site: <https://www.pkn.pl>



### Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes) <sup>1</sup>	15	0,5

<sup>1</sup> delete or add other activities as appropriate