



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Work safety

### Course

Field of study

Year/Semester

Transport

1/2

Area of study (specialization)

Profile of study

-

general academic

Level of study

Course offered in

Second-cycle studies

polish

Form of study

Requirements

part-time

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

9

0

0

Tutorials

Projects/seminars

0

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr Jerzy Marcinkowski

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Faculty of Engineering of Management

### Prerequisites

Knowledge: student has basic knowledge of safety rules

Skills: student has the ability to learn with understanding, use textbooks

Social competences: student is aware of the purpose of learning and acquiring new knowledge in the field of work safety throughout his life

### Course objective

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

### Course-related learning outcomes

Knowledge



Student has ordered and theoretically founded general knowledge related to key issues in the field of transport engineering

Student has knowledge of development trends and the most important new achievements of means of transport and other selected related scientific disciplines

#### Skills

Student is able - when formulating and solving engineering tasks- to integrate knowledge from various areas of transport (and, if necessary, knowledge from other scientific disciplines) and apply a systemic approach, also taking into account non-technical aspects

Student is able - in accordance with a given specification, taking into account non-technical aspects - design a complex device, system in the field of transport engineering or a process and implement this project - at least in part - using appropriate methods, techniques and tools, including adapting the existing or developing new tools

#### Social competences

Student understands the importance of using the latest knowledge in the field of transport engineering in solving research and practical problems

Student is aware of the need to develop professional achievements and to comply with the rules of professional ethics

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment on the basis of a written test after the end of the second semester of study. The assessment also takes into account the student's activity during lectures.

#### Programme content

1. Conditions for the implementation of work safety issues
2. Traditional approach to the issues of work safety
3. Consequences of non-compliance with the principles of safe and hygienic work and the principles of its implementation
  - 3.1. Accident at work
  - 3.2. Work disease
4. Basic information in the field of preventive health protection of employees
5. Contemporary approach to the issues of work safety
6. Legal aspects of work safety
  - 6.1 Legal aspects of work safety in EU directives



6.2 Legal aspects of work safety in the Labor Law

6.3 Legal aspects of work safety in state and industry standards and administrative regulations

7. Techniques and prevention of work safety

8. Measures of work safety assessment

9. Principles of ensuring safe work with machines and devices according to European requirements

### Teaching methods

Lecture with a multimedia presentation

### 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. strona internetowa: <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. strona internetowa: <https://www.pkn.pl>



### Breakdown of average student's workload

	Hours	ECTS
Total workload	24	1,0
Classes requiring direct contact with the teacher	9	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	15	0,5

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