



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Work safety [S2Trans1>BP]

### Course

Field of study

Transport

Year/Semester

1/2

Area of study (specialization)

Railway Transport

Profile of study

general academic

Level of study

second-cycle

Course offered in

polish

Form of study

full-time

Requirements

elective

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

15

Projects/seminars

0

### Number of credit points

1,00

### Coordinators

dr inż. Aleksandra Dewicka-Olszewska

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### Lecturers

### Prerequisites

The student has basic knowledge of safety and generally accepted principles of health and life protection. The student has the ability to learn with understanding, and is also aware of the goal of acquiring new knowledge in the field of occupational health and safety.

### Course objective

Providing students with theoretical and practical knowledge in the field of shaping safe and hygienic working conditions - especially in the economic department of transport. Developing the ability to critically observe the mode and work processes in terms of work safety. Teaching techniques of searching and understanding regulations, norms and rules related to generally accepted work safety.

### Course-related learning outcomes

Knowledge:

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

The student knows the development trends and the most important new achievements of means of transport and other selected related scientific disciplines.

### Skills:

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

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

### Social competences:

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

The 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:

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Assessment on the basis of a written test after the end of classes. The assessment also takes into account the student's activity during the course - conversation / debate.

### Programme content

1. Work safety and its issues, conditions and legal aspects (Labor Code, standards, EU directives).
2. Measures of work safety assessment.
3. Occupational risk in work safety - transport department.
4. Accidents at work. 5. Occupational diseases - the scope of preventive health protection of employees.
6. Techniques and prevention of work safety.
7. Principles of ensuring occupational health and safety.

### Teaching methods

Lectures with multimedia presentation.

### Bibliography

#### Basic

1. Ustawa z dnia 26 czerwca 1974 r. Kodeks pracy ustawy z dnia 26 czerwca 1974 r. (Dz. U. z 2019 r. poz. 1040).
2. Jerzy S. Marcinkowski, Podstawy bezpieczeństwa pracy, Wyd. PP, 2011
3. Jerzy S. Marcinkowski, Wiesława M. Horst, Podstawy zarządzania bezpieczeństwem i zdrowiem w pracy, Wyd. PP, Poznań, 2012
4. Koradecka D., (red), Bezpieczeństwo pracy i ergonomia, Wyd. CIOP, Warszawa, 1999
5. Tytyk E., Butlewski M. Ergonomia w technice. Wyd. Politechniki Poznańskiej, Poznań, 2011
6. Wojciechowska - Piskorska H., Wypadki przy pracy: poradnik pracodawcy i służb bhp, Ośrodek Doradztwa i Doskonalenia Kadr, 2009
7. strona internetowa: <https://gov.pl>
8. strona internetowa: <https://www.wiedza.pkn.pl>

#### Additional

1. Miesięcznik Atest chrona pracy
2. Miesięcznik Przyjaciół przy pracy
3. Miesięcznik Bezpieczeństwo Pracy
5. Gruszka J., Procesowe zarządzanie jakością dostawy w branży motoryzacyjnej, Wyd. Politechniki Poznańskiej, 2020
6. strona internetowa: <https://www.pkn.pl>

### Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	15	0,50