



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Decision problems in logistics II

### Course

Field of study

Year/Semester

Transport

1/2

Area of study (specialization)

Profile of study

Logistics of Transport

general academic

Level of study

Course offered in

Second-cycle studies

polish

Form of study

Requirements

full-time

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

0

0

0

Tutorials

Projects/seminars

0

15

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

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### Prerequisites

Knowledge: student has basic knowledge in the field of mathematics, operational research and transport and management, as well as knowledge in the subject of Decision Problems in Logistics I

Skills: student is able to integrate the obtained information, make their interpretation, draw conclusions, formulate and justify the opinions of the ability to see, associate and interpret phenomena, and also has the skills in the subject of Decision Problems in Logistics I

Social competencies: the student is aware of the importance and non-technical understanding (including in particular economic and social) aspects and effects of transport activities and decisions taken

### Course objective

The solution of a real decision problem which may occur in logistics

### Course-related learning outcomes

Knowledge



1. has detailed knowledge of selected issues in the field of transport engineering
2. knows advanced methods, techniques and tools used to solve complex engineering tasks and conduct research in a selected area of transport

#### Skills

1. can plan and carry out experiments, including measurements and simulations, interpret the results obtained and draw conclusions and formulate and verify hypotheses related to complex engineering problems and simple research problems
2. can - using e.g. conceptually new methods - solve complex tasks in the field of transport engineering, including atypical tasks and tasks containing a research component

#### Social competences

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

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

Learning outcomes presented above are verified as follows:

The prepared project is evaluated

#### Programme content

Examples of projects may include issues such as the preparation of cargo loading standards for containers as well as different instances of problems encountered in the first part of the classes

#### Teaching methods

Lecturing, demonstrating, collaborating

#### Bibliography

Basic

1. Presentations from the lecture "Decision problems in logistics I"

Additional

#### 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 (project preparation) <sup>1</sup>	15	0,5

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