



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Interim paper - Road transport

### Course

Field of study

Year/Semester

Transport

1/2

Area of study (specialization)

Profile of study

Road 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

4

### Number of credit points

5

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr hab. inż. Michał Libera

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Wydział Inżynierii Lądowej i Transportu

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### Prerequisites

Student has basic knowledge in the field of his interim project.

Student is able to use the text editor and is able to write correctly the interim paper in terms of language

Student is aware of the seriousness and importance of written scientific studies

### Course objective

Practical use of the knowledge gained in the process of previous education and development of the ability to independently solve problems in the field of study.



## Course-related learning outcomes

### Knowledge

Students know advanced methods, techniques and tools used in solving complex engineering tasks and conducting research in a selected area of transport

### Skills

Student is able to prepare and present a scientific study in Polish and English, presenting the results of scientific research or an oral presentation on specific issues in the field of transport engineering

Student is able to obtain information from literature, databases and other sources (in Polish and English), integrate them, interpret and critically evaluate them, draw conclusions and formulate and exhaustively justify opinions

### 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 observe the rules of professional ethics

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Critical assessment of the study presented by the student and assessment of independence and creativity during the work.

## Programme content

Implementation of independent works in the field of: public transport, transport telematics, modeling of operational systems, data processing and transmission, management of road transport systems, foundations of entrepreneurship, recycling of means of transport, heating and cooling devices, legal regulations in transport, shipping, vehicle bodies.

## Teaching methods

Consultations with supervisor to assess the progress of the student's work and help in further work, as well as to indicate literature, people, institutions that can provide information and assistance in the field of work carried out by the student.

## Bibliography

### Basic

Indicated by supervisor

### Additional

-



### Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (preparation of the work plan and writing interim paper) <sup>1</sup>	110	4,0

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