



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Research on refrigerated transport means

Course

Field of study

Year/Semester

Transport

1/2

Area of study (specialization)

Profile of study

Refrigerated transportation

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)

15

30

0

Tutorials

Projects/seminars

0

0

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr inż. Tomasz Rochatka

Faculty of Civil and Transport Engineering

Prerequisites

Has basic knowledge of physics, mechanics and strength of materials

Course objective

Knowledge of research methods for refrigerated transport means

Course-related learning outcomes

Knowledge

The student has advanced detailed knowledge of selected issues in the field of transport engineering

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

Skills

The student is able to assess the usefulness and the possibility of using new achievements (methods and tools) and new products of transport technology



The student is able to assess the usefulness of methods and tools for solving an engineering task consisting in the construction or evaluation of the transport system or its components, including the limitations of these methods and tools

The student is able to work in a team, assuming various roles

Social competences

The student 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:

Credit based on the test of knowledge of the lectures and the current control of preparation for laboratory exercises and assessment of their course and reports.

Programme content

Scientific knowledge. Development of the design and production technology of refrigerated transport means. Development of methods for testing means of road transport.

Teaching methods

1. Lecture with multimedia presentation
2. Laboratory with taking measurements

Bibliography

Basic

1. Zwierzycki W., Bieńczyk K. [red.] Pojazdy chłodnicze w transporcie żywności, Systherm Serwis, Poznań 2006.
2. Kwaśniewski S. [red.] Pojazdy izotermiczne i chłodnicze, Navigator nr 7, Wrocław 1997.

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	45	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	30	1,0

¹ delete or add other activities as appropriate