



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Research on refrigerated transport means [S2Trans1-TrCh>BŚTCh]

Course

Field of study

Transport

Year/Semester

1/2

Area of study (specialization)

Refrigerated Transport

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

30

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

3,00

Coordinators

dr inż. Tomasz Rochatka

tomasz.rochatka@put.poznan.pl

Lecturers

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:

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.

Course topics

none

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 | 3,00 |
| Classes requiring direct contact with the teacher | 45 | 2,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 30 | 1,00 |