



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Organization and management of technical facilities [N1Trans1>OizZT]

Course

Field of study

Transport

Year/Semester

3/5

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

polish

Form of study

part-time

Requirements

elective

Number of hours

Lecture

9

Laboratory classes

9

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

2,00

Coordinators

dr inż. Ryszard Mańczak

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Lecturers

Prerequisites

The student has a basic knowledge of the automotive field.

Course objective

Getting to know the basics of the functioning and organization of facilities in the automotive technical facilities.

Course-related learning outcomes

Knowledge:

The student has knowledge of important development trends and the most important technical achievements and of other related scientific disciplines, in particular transport engineering

The student has a basic knowledge of the life cycle of means of transport, both equipment and software, and in particular about the key processes occurring in the product life cycle

The student knows the basic techniques, methods and tools used in the process of solving tasks in the field of transport, mainly of an engineering nature engineering

Skills:

The student is able to take into account in the process of formulating and solving tasks in the field of transport engineering also non-transport aspects, in particular social, legal and economic issues
Student is able to assess - at least in a basic scope - various aspects of the risk associated with a transport project

The student has the preparation necessary to work in a business environment, including an industrial environment, and knows the safety rules related to the profession of a transport engineer

Social competences:

The student can think and act in an entrepreneurial way, incl. finding commercial applications for the created system, taking into account not only business benefits, but also social benefits of the conducted activity

The student is aware of the social role of a technical university graduate, in particular, he/she understands the need to formulate and transfer to the society, in an appropriate style, information and opinions on engineering activities, technological achievements, as well as the achievements and traditions of the transport engineer profession

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Credit based on the results of the test and grades of completed tasks and projects.

Programme content

Classification of service workshops, types of maintenance and repairs. Types of service and repair stands. Equipment of stands. Authorized vehicle service centers. Vehicle inspection stations. Bus depots. Specialist repair plants. Other facilities in the technical back-up.

Teaching methods

Auditorium lecture, blackboard exercises, visit to the car service.

Bibliography

Basic

Jóska M., Ulbrich D., Kowalczyk J., Mańczak R., Nosal S.; Inżynieria odnowy pojazdów samochodowych; Wydawnictwo Politechniki Poznańskiej, Poznań 2019.

Chaciński J., Jędrzejewski Z.: Zaplecze techniczne transportu samochodowego, WKiŁ, W-wa 1982.

Additional

Maryański A.: Stacje obsługi samochodów, WKiŁ, W-wa, 1981.

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	18	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	32	1,00