



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Vehicle technical inspections

Course

Field of study

Mechanical and Automotive Engineering

Area of study (specialization)

Motor vehicles

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

3/6

Profile of study

general academic

Course offered in

polish

Requirements

elective

Number of hours

Lecture

18

Laboratory classes

9

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

dr inż. Ryszard Mańczak

ryszard.manczak@put.poznan.pl

tel. 61 647 5877

Responsible for the course/lecturer:

Wydział Inżynierii Lądowej i Transportu

Prerequisites

Basic knowledge of the construction and exploitation of motor vehicles.

Course objective

Acquiring knowledge and skills about the methods of carrying out technical inspections of vehicles

at vehicle inspection stations.

Course-related learning outcomes

Knowledge

M1_W25 Has knowledge of periodic technical inspections of vehicles, examination of a bus with a speed limit of 100 km / h on the highway and expressway, examination of a vehicle intended for the transport of dangerous goods, examination of a gas-powered vehicle, examination of a vehicle registered for the



first time abroad, directed to by the road traffic control authority or the staroste, if the vehicle requires a specialist examination, the vehicle

in which design changes or replacement of elements causing the change of data were made

in the registration certificate

Skills

M1_U28 Has the ability to draw conclusions from the conducted periodic technical tests of vehicles and measurements, and on their basis, issue assessments about the technical condition of vehicles in terms of admitting vehicles to road traffic, as well as the ability to correctly fill in and keep the documentation applicable to technical tests at vehicle inspection stations, finding and read basic technical information from documents of countries other than Poland for vehicles registered for the first time abroad and from vehicle nameplates, as well as know how to use the knowledge about certified devices and measuring and control devices as well as the scope of their use and the scope of operational control.

Social competences

M1_K01 Is ready to critically assess his knowledge and received content

M1_K02 Is ready to recognize the importance of knowledge in solving cognitive and practical problems and to consult experts in case of difficulties in solving the problem on its own

M1_K03 Is ready to fulfill social obligations and co-organize activities for the benefit of the social environment

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Test on end of semester.
2. Evaluation of reports.

Programme content

1. Periodic technical inspection of the vehicle in terms of checking and assessing the correct operation of individual components and systems of the vehicle, in particular in terms of driving safety and environmental protection.
2. Technical inspection of a bus whose speed limit on the highway and expressway is 100 km / h.
3. Technical inspection of a vehicle intended for the transport of dangerous goods.
4. Technical inspection of a vehicle adapted to run on gas.
5. Technical inspection of a vehicle registered for the first time abroad, directed by a road traffic control authority or a staroste, if the vehicle requires a specialized examination, in which design changes have been made or elements that change the data in the registration certificate.

Teaching methods



1. Auditorium lecture.
2. Laboratory classes.

Bibliography

Basic

LEGAL ACTS (valid editions):

1. The Road Traffic Act.
2. Regulation on the technical conditions of vehicles and the scope of their necessary equipment.
3. Act on VAT, PIT and CIT.
4. Regulation on the amount of fees related to the operation of vehicle inspection stations and the conduct of technical tests of vehicles.
5. Regulation on the scope and method of carrying out technical tests of vehicles and templates of documents used for these tests.
6. Regulation on the detailed method and procedure for assigning and placing identification features in vehicles.
7. Regulation on testing the compliance of historic vehicles with technical conditions.
8. European agreement concerning the international carriage of dangerous goods by road.

Additional

LEGAL ACTS (valid editions):

1. Regulation on the registration and marking of vehicles and the requirements for registration plates.
2. Regulation on specific activities of authorities in related matters with the roadworthiness of the vehicle and model documents in these matters.
3. Regulation on the requirements for slurry vehicles.
4. Regulation on types of technical devices subject to technical inspection.
5. Ordinance on the marking of official vehicles of the National Tax Administration.
6. Regulation on the registration fee constituting the income of the Fund - Central Register of Vehicles and Drivers.
7. Ordinance on road traffic control.
8. Regulation on detailed requirements for stations carrying out technical tests of vehicles.



9. Regulation on technical conditions of special vehicles and vehicles used for special purposes of the Polish Armed Forces.
10. Regulation on the technical conditions of special vehicles and vehicles used for special purposes of the Police, the Internal Security Agency, the Foreign Intelligence Agency, the Military Counterintelligence Service, the Military Intelligence Service, the Central Anti-Corruption Bureau, the Border Guard, the fiscal control, the Customs Service, the Prison Service and the fire service.
11. Regulation on the training and examination of diagnosticians and templates of related documents.
12. Implementation Agreement between the Government of the Republic of Poland and the Government of the United States of America to the Agreement between the Government of the Republic of Poland and the Government of the United States of America on the Status of the Armed Forces of the United States of America in the territory of the Republic of Poland on the registration and technical inspection of private vehicles.
13. Regulation on the functional requirements and technical requirements of the alcohol interlock and the template of the document confirming the calibration of the alcohol interlock.
14. Regulation on the procedure for the legalization of license plates as well as technical conditions and patterns of the verification mark.
15. Regulation on detailed activities of diagnosticians related to the reading of odometer indications and the amount of the related fee.
16. Ordinance on detailed activities of diagnosticians related to the reading of odometer indications and the amount of the related fee.
17. Regulation on the body obliged to store the declaration of the owner or holder of the vehicle on the replacement of the odometer and the method of submitting this declaration.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	27	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	48	2,0

¹ delete or add other activities as appropriate