COURSE DESCRIPTION CARD - SYLLABUS

Course name
Transport Management

Course

Field of study
Transport

Year/Semester
1/2

Area of study (specialization)
Rail transport

Profile of study
general academic

Level of study
Second-cycle studies

Course offered in
polish

Form of study
full-time

Requirements
elective

Number of hours

Lecture
30

Laboratory classes
0

Other (e.g. online)
0

Tutorials
15

Projects/seminars
0

Number of credit points

3

Lecturers

Responsible for the course/lecturer:
prof. dr hab. inż. Franciszek Tomaszewski

Responsible for the course/lecturer:

Prerequisites

KNOWLEDGE: knowledge of the basics of organization and management

SKILLS: analysis of phenomena occurring in transport, drawing and formulating conclusions

SOCIAL COMPETENCES: obtaining information from the literature on the subject, conducting discussions and arguments

Course objective

Mastering the theoretical foundations and learning the principles and methods of transport management.

Course-related learning outcomes

Knowledge

Student knows the economic, legal and other conditions of the activities of transport companies.

Student has basic knowledge of managing / running a business and individual entrepreneurship.

Skills

When formulating and solving engineering tasks, the student is able to integrate knowledge from various areas of transport (and, if necessary, also knowledge from other scientific disciplines) and apply a systemic approach, also taking into account non-technical aspects.

Social competences

Student understands the importance of popularizing the latest achievements in the field of transport engineering

Student is aware of the need to develop professional achievements and observe the rules of professional ethics

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Written exam, final test

Programme content

The concept and interpretation of transport management. Characteristics of individual modes of transport. The essence of service and freight forwarding in transport. Designing transport networks in terms of space and time. Designating service areas. Designing transport networks in terms of value, assessment of the profitability of investments in transport solutions. Cost calculations and locations of transhipment centers. Costs of transport processes. Prices and tariffs in transport. Ways to minimize transport costs in the logistics system.

Determining the optimal moment to replace a vehicle with a new one, taking into account depreciation. Documents in domestic and international transport. Incoterms

INCOTERMS 2000. Application of ratio analysis in the verification of transport processes. The concept of damage and complaints in transport. Methods and tools for the evaluation of transport service providers. Costs of the quality of transport services. QFD method as a tool for improving the quality of transport services.

Teaching methods

Lecture with multimedia presentation.

Bibliography

Basic

1. Dembińska-Cyran I., Gubała M., Podstawy zarządzania transportem w przykładach. Instytut logistyki i magazynowania, Poznań 2003.

2. Romanow P., Zarządzanie transportem przedsiębiorstw przemysłowych. Wyższa Szkoła Logistyki, Poznań 2003.Rydzykowski W., Wojewódzka-Król K.

Additional

1. Rydzykowski W., Wojewódzka-Król K., Transport. Wydawnictwo Naukowe PWN, 2005

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