



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Financial Management in Transportation [N2Trans1>ZFwT]

Course

Field of study

Transport

Year/Semester

1/1

Area of study (specialization)

Railway Transport

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

part-time

Requirements

compulsory

Number of hours

Lecture

9

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

1,00

Coordinators

dr Karolina Tyc-Szmił

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Lecturers

Prerequisites

Student has a basic knowledge of economic relations and the basics of entrepreneurship Student is able to associate and integrate the information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions Student is aware of the social and economic importance of financial management and raising funds for various types of projects

Course objective

Understanding the basics of financial management in companies, with particular emphasis on sources of financing.

Course-related learning outcomes

Knowledge:

Student knows the basic concepts of economics, relating in particular to transport investments

Student has basic knowledge of managing and running a business and knows the general rules of creating and developing forms of individual entrepreneurship

Skills:

Student is able to obtain information from literature, databases and other sources (in Polish and English), integrate it, interpret and critically evaluate it, draw conclusions and formulate and exhaustively justify opinions

Student is able to use analytical, simulation and experimental methods to formulate and solve engineering tasks and simple research problems

Student is able to assess the suitability of methods and tools for solving an engineering task consisting in the construction or assessment of a transport system or its components, including the limitations of these methods and tools

Social competences:

Student understands the importance of using the latest knowledge in the field of transport engineering in solving research and practical problems

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

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

Discussion and active participations in lectures.

Written test with possible additional open questions.

50% passing threshold.

Programme content

1 Basics of financial management. The importance of the financial policy of the company and the scope of financial policy.

2 Sources of financing activity part 1. Internal and external sources of financing activity and development (equity, bank credit, bonds, retained profits). Characteristics, advantages and disadvantages of each type of financing.

3 Sources of financing activity part 2. Operating and finance lease.

4 Criteria for selecting sources of financing.

5 Financial statements. Balance sheet and profit and loss account: features, layout and components.

Course topics

none

Teaching methods

Lecture with multimedia presentation

Bibliography

Basic

1. L. Czerwonka, Zarządzanie finansami. Wprowadzenie, przykłady i zadania, C.H. Beck, Warszawa 2018

2. Dyduch A., Sierpińska M., Wilimowska Z., Finanse i rachunkowość, PWE Warszawa 2013.

3. Nowak E., Analiza sprawozdań finansowych, PWE, Warszawa 2016.

4. Kamiński T., Walendzik M., Mikiel P., Transport drogowy rzeczy. Zagadnienia prawne i finansowe, WKŁ, 2021

5. K. Tyc-Szmil, Financial Management in Transportation. Lecture materials, Poznań University of Technology (in Polish)

Additional

1. Zaleska M., Ocena ekonomiczno-finansowa przedsiębiorstwa przez analityka bankowego, Wydawnictwo SGH, Warszawa 2005.

2. Kołaczyk Z., Rachunkowość przedsiębiorstw część 1 i 2, Wydawnictwo eMPI2, Warszawa 2007.

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,00
Classes requiring direct contact with the teacher	9	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	16	0,50