



COURSE DESCRIPTION CARD - SYLLABUS

Course name

PO: Economics in transport - Financial management

Course

Field of study

Electromobility

Area of study (specialization)

-

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

polish

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

Tutorials

Projects/seminars

Other (e.g. online)

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

prof. dr hab. Agnieszka Merkisz-Guranowska

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Faculty of Civil and Transport Engineering

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Knowledge: Student has a basic knowledge of economic relations and the basics of entrepreneurship

Skills: Student is able to associate and integrate the information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions

Social competences: 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 has the basic knowledge necessary to understand social, ethical, economic, ecological, legal and other non-technical determinants of engineering activities

Student has basic knowledge of creating, managing, conducting and developing business activities related to the given qualification

Skills

Student is able, when formulating and solving tasks related to electromobility, to notice their systemic and non-technical aspects, including environmental, economic and legal ones

Student is able to compare various technical solutions, evaluate them in terms of selected utility, economic, ecological, legal and ethical criteria

Social competences

Student can think and act in an entrepreneurial manner in the field of electromobility

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Discussion and active participations in lectures.

Written test in the form of a multiple-choice test with possible additional open questions. Test pass threshold: 50% of the total number of points.

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. Financing of the vehicle fleet.

5. Criteria for selecting sources of financing. Rules for debt structure.

6 Financial statements. Balance sheet and income statement (layout and components).

6 Evaluation of company's financial condition. Financial statements ratios: assets structure ratios, profitability ratios, liquidity ratios, capital structure ratios, operating performance ratios.



Teaching methods

Lecture with multimedia presentation

Bibliography

Basic

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

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

Rogowski W., *Rachunek efektywności inwestycji*, Wydawca Nieoczywiste, 2019

Additional

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

Breakdown of average student's workload

| | Hours | ECTS |
|--|-------|------|
| Total workload | 25 | 1,0 |
| Classes requiring direct contact with the teacher | 15 | 0,5 |
| Student's own work (literature studies, preparation for test) ¹ | 10 | 0,5 |

¹ delete or add other activities as appropriate