



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Economic analysis [S1Elmob1>PO-EwT-AE1]

Course

Field of study

Electromobility

Year/Semester

1/2

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

1,00

Coordinators

prof. dr hab. Agnieszka Merkisz-Guranowska
agnieszka.merkisz-guranowska@put.poznan.pl

Lecturers

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 economic issues related to the specificity of the activity of enterprises in the transport sector

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:

Learning outcomes presented above are verified as follows:

Discussion and active participations in lectures.

Written test with possible additional open questions. Test pass threshold: 50% of the total number of points.

Programme content

Scope of economic analysis. Analysis of costs, revenues, profitability and resources.

Course topics

1. The subject and scope of economic analysis. Basic concepts.
2. Costs in transport: cost analysis, cost breakdown according to selected criteria, components of cost items. Effect of scale and experience curve effects on costs. The structure of costs of companies operating in the transport sector.
3. Revenues in transport. Revenue analysis - division of revenues, characteristics feature of revenue types, relationships between revenue types.
4. Income statement: layout of the income statement, factors influencing the financial result, vertical and horizontal analysis.
5. Profitability analysis and basic profitability indicators.
6. Resources analysis. Effectiveness of employment and use of fixed assets.

Teaching methods

Lecture with multimedia presentation

Bibliography

Basic

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

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

Additional

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

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

Breakdown of average student's workload

	Hours	ECTS
Total workload	28	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	13	0,50