



COURSE DESCRIPTION CARD - SYLLABUS

Course name

PO: Economics in transport - Economic analysis

Course

Field of study

Electromobility

Area of study (specialization)

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Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

prof. dr hab. Agnieszka Merkisz-Guranowska

Responsible for the course/lecturer:

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Faculty of Civil and Transport Engineering

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Prerequisites

Knowledge: Student has a basic knowledge of economic relations and the basics of entrepreneurship and knowledge of the programme content of the subject of Economics in Transport - Economic analysis I

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:

Discussion and active participations in lectures.

Written test in the form of a multiple-choice test with possible additional open questions or preparing a business plan for a selected transport project. Test pass threshold: 50% of the total number of points.

Programme content

1. Strategic analysis of the company - methods of company analysis, environment (market) analysis and strategic position of the company analysis.
2. Assessment of investment projects. Rules for assessing a typical investment project, investment profitability assessment tools (payback period, present value, net present value, internal rate of return).
3. Total cost of ownership calculation.
4. Preparation of investment projects.
5. Development of a business plan (goals, market analysis, financial analysis of the project).

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

Gierszewska G., Romanowska M.: Analiza strategiczna przedsiębiorstwa, PWE, Warszawa 2009

Additional

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

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

Romanowska M.: Planowanie strategiczne w przedsiębiorstwie, PWE, Warszawa 2009

Porter M.E.: Strategia konkurencji. Metody analizy sektorów i konkurentów, PWE, Warszawa 1996

Praca zb. pod red. H. Mruka,: Analiza rynku, PWE, Warszawa 2003

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