POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name

PO: Economics in transport - Financial management

Course

Field of study	Year/Semester
Electromobility	2/3
Area of study (specialization)	Profile of study
-	general academic
Level of study	Course offered in
First-cycle studies	Polish
Form of study	Requirements
full-time	elective

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
15		
Tutorials	Projects/seminars	

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

prof. dr hab. Agnieszka Merkisz-Guranowska

email: agnieszka.merkisz-guranowska@put.poznan.pl

tel. 61-6652260

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 and knowledge of the programme content of the subject of Economics in Transport - Financial Management 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

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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. Ratio analysis of the company: profitability ratios, oprating performance ratios and liquidity ratios.

2. Analysis 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. External costs in transport.

5. Development of a business plan (goals, components, preparation).

Teaching methods

Lecture with multimedia presentation

Bibliography

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Basic

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

Nowak E., Analiza spawozdań 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

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[1] delete or add other activities as appropriate