POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Financial management [S1Elmob1>PO-EwT-ZF2]

Course

Field of study
Electromobility

Year/Semester
2/3

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
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Lecturers

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

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:

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

Financial analysis based on indicators.
Analysis of investment projects.
Total cost of ownership.
External costs in transport.

Course topics

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

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	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