COURSE DESCRIPTION CARD - SYLLABUS

Course name
Cost-effectiveness assessment of engineering activities [S1TOZ1>OEDI]

Course

Field of study
Circular System Technologies

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
30

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

3,00

Coordinators

dr inż. Marcin Nowak
marcin.nowak@put.poznan.pl

Lecturers

Prerequisites

The student has basic knowledge of economics and entrepreneurship in the field of closed-loop technologies.

Course objective

The aim of this course is to transfer knowledge and skills in the field of assessing the economic efficiency of engineering projects and investments.

Course-related learning outcomes

Knowledge:
the student is familiar with the principles and methodology of economic evaluation of engineering activities undertaken (k_w16).
the student knows the general principles for creating and developing various forms of individual entrepreneurship (k_w025).

Skills:
the student is able to estimate production costs in installations based on closed-loop technologies

(k_u23).

Social competences:
the student thinks and acts in an entrepreneurial manner (k_k06).

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
1. Written credit exam on tasks and theoretical issues - 50%.
2. Evaluation of activity on the Moodle palatform - participation in quizzes and votes - 50%.

Programme content

Cost, cost accounting, cost classification. Measures of economic efficiency of engineering investments. Use of cost information.

Course topics

Cost, cost accounting, cost classification. Cost accounting systems. Cost calculation methods. Concepts of strategic cost management and strategic planning and controlling of engineering projects. Measures of economic efficiency of engineering investments. Use of cost information in selected decision-making areas related to engineering activities.

Teaching methods

Classes will be conducted in the form of a lecture supplemented with examples and accounting tasks.

Bibliography

Basic
1. Controlling operacyjny w przedsiębiorstwie, Sierpińska M., Niedbała B., PWN, Warszawa, 2003.
2. Matematyka finansowa w praktyce: wybrane zagadnienia z zakresu finansów przedsiębiorstw, Antonowicz A., Antonowicz P., Ośrodek Doradztwa i Doskonalenia Kadr, Gdańsk, 2009.
Additional
1. Rachunkowość zarządcza. Wprowadzenie, Mantura W., Bondarowska K., Branowski M., Goliński M., Miądowicz M., Szafrański M., Wyd. PP, Poznań, 2010.
2. Rachunkowość zarządcza, Gabrusewicz W., Kamela-Sowińska A., Poetschke H., PWE, Warszawa, 2000.
3. Podstawy rachunkowości zarządczej, Czubakowska K., Gabrusewicz W., Nowak E., PWE, Warszawa, 2006.
4. Rachunkowość zarządcza. Podręcznik ze zbiorem przykładów, Wermut J., Oddk, Warszawa, 2012.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	38	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	37	1,50