COURSE DESCRIPTION CARD - SYLLABUS

Course name
Project Management [S2EPiO1>ZP]

Course

Field of study
Industrial and Renewable Energy Systems

Year/Semester
1/1

Area of study (specialization)
Thermal and Renewable Energy

Profile of study
general academic

Level of study
second-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
15

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

Student has basic knowledge from specialistic courses from industrial and renewable energy. Student is capable of solving basic engineering tasks of designing an energy device. Student has good enough personal skills to communicate in professional environment

Course objective

To present student with necessary skills and knowledge from managing projects in industrial and renewable energy.

Course-related learning outcomes

Knowledge:
has knowledge of the lifecycle of the devises and systems used in industrial energy
has knowledge on manging intelecutal property in project management within industrial energy industry.
has knowledge of processes nad structures of the companies in industrial energy industry

Skills:

is able present hipotheses applied to simple implementation problems in project manaement.
is capable of leading a debate.
is capable of managing own lifelong learning

Social competences:
is ready to ask for opinions while having problems in performing an engineering task.
he is ready to fulfill social obligations, inspire and organize activities for the social environment
is ready to perform professional roles responsibly, taking into account changing social needs,

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
Written exam from the lecture, minimum to pass – 51% of total available points
Presenting and defending a project assesment

Programme content

1. About project management
2. Role of project Manager
3. Defining project

Course topics

The topics provided in this course relate to the field of project management in the energy industry with a focus on the introduction and operation of RES technologies. The challenges of the energy transition encompass not only the construction of new installations and research and development processes, but also tasks related to legal, personal, social, etc. issues. All this reinforces the need to develop and shape an appropriate approach to project implementation in these areas. The current subject matter of the course is as follows:
- Building and maintaining a team
and Dealing with risk and uncertainty in the context of unpredictable events (war, pandemic)
- Designing public perception of RES technologies

Teaching methods

conversatory lecture, project

Bibliography

Basic
1. Gary R. Heerkens, „Jak zarządzać projektami”, Wyd. RM, Warszawa, 2003
2. P. Wyrozębski, „Zarządzanie projektami”
3. M. Trocki, B. Grucza, K. Ogonek, Zarządzanie projektami, PWE, Warszawa 2003
4. J.M. Nickolas, H. Steyn, Project Management for Business, Engineering and Technology, Butterworth - Heinemann 2008
Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	60	2,00
Classes requiring direct contact with the teacher	32	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	15	1,00