



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Project Management [N2EPiO1>ZP]

### Course

Field of study

Industrial and Renewable Energy Systems

Year/Semester

1/1

Area of study (specialization)

Gas Technology and Renewable Energy

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

part-time

Requirements

elective

### Number of hours

Lecture

9

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

9

### Number of credit points

2,00

### Coordinators

dr inż. Paweł Czyżewski

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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 devices and systems used in industrial energy

has knowledge on managing intellectual property in project management within industrial energy industry.

has knowledge of processes and structures of the companies in industrial energy industry

Skills:

management.

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:  
written exam from the lecture, minimum to pass – 51% of total available points  
presenting and defending a project assesment

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

empty

### Programme content

1. About project management
2. Role of project Manager
3. Defining project Teaching methods conversatory lecture, 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

none

### 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                                                                                       | 20    | 0,70 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 40    | 1,30 |