



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Preparation of a diploma thesis with elements of scientific research

Course

Field of study

Environmental Engineering Extramural First

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

5/9

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

5

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Mieczysław Porowski, PhD. Dr.Sc. Associate
Prof.

email: mieczyslaw.porowski@put.poznan.pl

tel. 61,665-2414

Faculty of Environmental Engineering and
Energy

Berdychowo 4, 61-131 Poznań

Responsible for the course/lecturer:



Prerequisites

1. Knowledge: The scope of knowledge obtained within the subjects appearing in the first-cycle full-time studies program.
2. Skills :Skills acquired in the course of full-time first-cycle studies in the field of design, construction and operation of installations in buildings and external sanitary networks in the field of environmental engineering.
3. Social competencies:
Ability to work independently on a designated task.

Course objective

Preparing the student for an independent engineering diploma thesis.

Course-related learning outcomes

Knowledge

1. A graduate student has the knowledge acquired in the current educational process, necessary to prepare an engineering thesis in the scope specified in the subject of the diploma thesis - [KIS_W03, KIS_W04, KIS_W07]
2. A graduate student has knowledge of the methods of solving technical problems - [KIS_W07]

Skills

1. A graduate student is able to formulate the thesis of the work, select and apply the right method of solving the task and draw conclusions based on the collected material - [KIS_U06, KIS_U08]
2. A graduate student uses information technology, internet resources and other sources to search for information necessary to prepare the thesis - [KIS_U01, KIS_U02]
3. A graduate student is aware of the need to raise professional qualifications - [KIS_U17]
4. A graduate student is able to formulate conclusions and describe the results of their own work - [KIS_U13]
5. A graduate student independently supplements and expands the knowledge in the field of modern techniques, processes and technologies in environmental engineering - [KIS_U17]

Social competences

1. A graduate student is aware of the non-technical aspects and effects of engineering activities, including its impact on the environment - [KIS_K01]
2. A graduate student is aware of the social role of a technical university graduate, is prepared to formulate and convey information and opinions on technological achievements and other aspects of engineering activities in a way that is universally understood - [KIS_K05]



3. A graduate student is prepared to correctly identify and resolve dilemmas related to the exercise of the profession - [KIS_K06

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Ongoing consultations checking progress, substantive correctness and the degree of the diploma thesis.

The evaluation is issued by the supervisor of the diploma thesis.

Programme content

Program contents in accordance with the detailed tasks given in the subject of the diploma thesis.

Teaching methods

Bibliography

Basic

Literature agreed with the supervisor (supervisor), consistent with the topic of the thesis

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	375	15,0
Classes requiring direct contact with the teacher	5	0,5
Student's own work (literature studies, preparation dissertation) 1	370	14,5

¹ delete or add other activities as appropriate