



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma laboratory

### Course

Field of study

Environmental Protection Technologies

Area of study (specialization)

Ecotechnology

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

II/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

180

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

18

### Lecturers

Responsible for the course/lecturer:

dr hab. inż. Grzegorz Musielak, prof. PP

Responsible for the course/lecturer:

thesis supervisor

e-mail: grzegorz.musielak@put.poznan.pl

tel. 61 665 3698

Wydział Technologii Chemicznej

ul. Berdychowo 4, 60-965 Poznań

### Prerequisites

The student has basic knowledge of the second degree of studies in the field of Environmental Protection Technologies.

The student has the basic ability to use professional literature.

The student has the basic ability to write specialized texts in accordance with the field of study.

The student understands the need for further training and raising their professional and personal competences.

### Course objective

Carrying out research, preparation and submission of the thesis



### Course-related learning outcomes

#### Knowledge

Knowledge consistent with the topic of the master's thesis.

#### Skills

1. Understanding the need for self-education and raising one's professional competences. [K\_U02, K\_U15]
2. Ability to plan, perform and interpret the results of experiments / other work related to the master's thesis. [K\_U03, K\_U05, K\_U11, K\_U17]
3. Ability to write the master's thesis. [K\_U04, K\_U05, K\_U17]

#### Social competences

1. The student has the ability to select literature for the master's thesis [K\_K01]
2. Student is able to critically evaluate and verify the results of experimental research [K\_K02]
3. The student is aware of compliance with the rules of ethics in the field of writing the master's thesis. [K\_K05]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Verification of the work done by the thesis supervisor and verification of work with the anti-plagiarism system.

### Programme content

1. Thesis layout.
2. Ways to search and cite literature.
3. Performance of research / design / review work.

### Teaching methods

Own work plus consultation with the thesis supervisor.

### Bibliography

#### Basic

Indicated by the thesis supervisor

#### Additional

Indicated by the thesis supervisor



### Breakdown of average student's workload

	Hours	ECTS
Total workload	360	18,0
Classes requiring direct contact with the teacher	180	9,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	180	9,0

<sup>1</sup> delete or add other activities as appropriate