



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Thesis preparation

### Course

Field of study

Circular System Technologies

Area of study (specialization)

-

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

100

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

11

### Lecturers

Responsible for the course/lecturer:

dr hab. inż. Agnieszka Zgoła-Grzeskowiak, prof.

PP

Responsible for the course/lecturer:

thesis supervisor

e-mail:

agnieszka.zgola-grzeskowiak@put.poznan.pl

tel: 61 665 33 45

Wydział Technologii Chemicznej

ul Berdychowo 4, 60-965 Poznań

### Prerequisites

The student has basic knowledge of the first degree of studies in the field of circular system 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. The student has the ability to think logically, plan an experiment, and select a methodology for solving tasks.

### Course objective

Preparation and submission of the thesis



## Course-related learning outcomes

### Knowledge

Knowledge consistent with the topic of the thesis. The student knows the basic tools for conducting research in the field of study and has elementary knowledge of intellectual property protection and patent law [K\_W05, K\_W27].

### Skills

The student is able to select and properly use literature sources for the problems that are the subject of the engineering diploma thesis, carrying out a critical analysis of available information sources. Ability to write a thesis. The student has the ability to self-study, is able to use source information in Polish and a foreign language in accordance with the principles of ethics, reads with understanding, conducts analyzes, syntheses, summaries, critical assessments and correct conclusions [K\_U01, K\_U04, K\_U06, K\_U08].

### Social competences

The student understands the need for self-education and raising their professional competences through independent study of literature reports. The student is aware of compliance with the principles of ethics in the field of writing the thesis. The student shows independence and inventiveness in individual work and objectively assesses the effects of their own work [K\_K01, K\_K02, 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 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

The literature on the subject of the diploma thesis indicated by the thesis supervisor.

### Additional

The literature on the subject of the diploma thesis gathered independently by the student.



### Breakdown of average student's workload

	Hours	ECTS
Total workload	275	11,0
Classes requiring direct contact with the teacher	100	4,0
Student's own work (literature studies, preparation and carrying out of the research, writing the diploma thesis and preparation of a presentation for the diploma exam) <sup>1</sup>	175	7,0

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