



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Laboratorium przeddyplomowe (Pre-diploma Laboratory)

### Course

Field of study

Technologia chemiczna (Chemical Technology)

Area of study (specialization)

Technologia chemiczna ogólna (General Chemical Technology)

Level of study

Second-cycle studies

Form of study

part-time

Year/Semester

II/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

60

Other (e.g. online)

0

Tutorials

Projects/seminars

### Number of credit points

6

### 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 first degree of studies in the field of chemical technology.

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

Performing the initial part of research related to the master's thesis



### Course-related learning outcomes

#### Knowledge

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

#### Skills

1. The ability to choose literature for the master's thesis [K\_U01, K\_U05]
2. Ability to plan, perform and interpret the results of experiments / other work related to the master's thesis. [K\_U06, K\_U08, K\_U10, K\_U21, K\_U22]

#### Social competences

1. The student understands the need for self-education and raising their professional competences. - [K\_K01]
2. The student is able to think and act in a creative way. [K\_K06]

### 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.

### Programme content

1. Preliminary review of the literature related to the subject of the MA thesis.
2. Performance of the initial part of the 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	135	6,0
Classes requiring direct contact with the teacher	60	2,7
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	75	3,3

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