



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Preparation for research

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### Course

Field of study

Environmental Engineering Second-cycle Studies

Area of study (specialization)

Water Supply, Water and Soil Protection

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

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### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

10

Tutorials

Projects/seminars

### Number of credit points

16

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### Lecturers

Responsible for the course/lecturer:

dr hab.inż. Zbysław Dymaczewski, prof.PP

email: [zbyslaw.dymaczewski@put.poznan.pl](mailto:zbyslaw.dymaczewski@put.poznan.pl)

tel.61 6653662

Faculty of Environmental Engineering and  
Energy

ul. Berdychowo 4, 61-131 Poznań

Responsible for the course/lecturer:



### Prerequisites

1. Knowledge: Knowledge gained during I cycle studies
2. Skills: Skills gained during I cycle studies
3. Social competencies: Ability for student's own work on the selected task

### Course objective

Preparing student to prepare MSc thesis on his own

### Course-related learning outcomes

Knowledge

1. Student has knowledge obtained during study, necessary for preparation of MSc thesis
2. Student has knowledge how to solve technical problems

Skills

1. Student can formulate objectives, choose the proper method how to solve the problems and conclude based on the prepared material
2. Student is able to use information technology, Internet resources and other sources to search for information necessary to complete diploma thesis

Social competences

1. Student is aware of the need to raise professional qualifications
2. Student is able to formulate conclusions and describe the results of his own work
3. Student independently supplements and expands the knowledge in the field of modern techniques, processes and technologies in environmental engineering

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Ongoing consultations checking progress and correctness of the diploma thesis.

The grade is awarded by the supervisor of the diploma thesis.

### Programme content

Program content in accordance with the detailed tasks given in the thematic card of the master's thesis

### Teaching methods

### Bibliography



Basic

Additional

### Breakdown of average student's workload

	Hours	ECTS
Total workload	400	16,0
Classes requiring direct contact with the teacher	10	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	390	15

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