COURSE DESCRIPTION CARD - SYLLABUS

Course name
Preparation of a diploma thesis [S1IŚrod2>PPI]

Course

Field of study
Environmental Engineering

Year/Semester
4/7

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other (e.g. online)
0

Tutorials
60

Projects/seminars
0

Number of credit points

20,00

Coordinators

prof. dr hab. inż. Tomasz Mróz
tomasz.mroz@put.poznan.pl

Lecturers

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 under a supervision of elected supervisor.

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.
2. A graduate student has knowledge of the methods of solving technical problems.

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.
2. A graduate student uses information technology, internet resources and other sources to search for information necessary to prepare the thesis.
3. A graduate student is aware of the need to raise professional qualifications.
4. A graduate student is able to formulate conclusions and describe the results of their own work.
5. A graduate student independently supplements and expands the knowledge in the field of modern techniques, processes and technologies in environmental engineering.

Social competences:
1. A graduate student is aware of the non-technical aspects and effects of engineering activities, including its impact on the environment.
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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.
3. A graduate student is prepared to correctly identify and resolve dilemmas related to the exercise of the profession.

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.

Course topics

none

Teaching methods

Exercise, problem solving, case study, discussion.

Bibliography

Basic:
1. Dembecka W., Metodyka studiowania w uczelni technicznej, Wyd. Pol. Poznańskiej, Poznań 1994.
2. Szkutnik Z., Metodyka pisania pracy dyplomowej. Skrypt dla studentów, Poznań 2005.
3. Kozłowski R., Praktyczny sposób pisania prac dyplomowych z wykorzystaniem programu komputerowego i Internetu, Warszawa 2009.
4. Rozporządzenie Ministra Nauki i Szkolnictwa Wyższego z dnia 19 grudnia 2008 r. w sprawie rodzajów tytułów zawodowych nadawanych absolwentom studiów i wzorów dyplomów oraz świadectw wydawanych przez uczelnie. (Dz.U. 2009 nr 11 poz. 61).
5. Rozporządzenie Ministra Nauki i Szkolnictwa Wyższego z dnia 14 września 2011 r. w sprawie dokumentacji przebiegu studiów. (Dz.U. 2011 nr 201 poz. 1188).
6. Regulamin studiów stacjonarnych i niestacjonarnych pierwszego i drugiego stopnia oraz jednolitych magisterskich uchwalony przez Senat Akademicki Politechniki Poznańskiej Uchwałą Nr 89 z dnia 28 kwietnia 2010 r. na podstawie ustawy z dnia 27 lipca 2005 r. Prawo o szkolnictwie wyższym (Dz. U. Nr 164, poz. 1365 z późn. zm.).
7. Ustawa z dnia 27 lipca 2005 r. Prawo o szkolnictwie wyższym. (Dz.U. 2005 nr 164 poz. 1365, tekst jednolity Dz.U. 2012 poz. 572).
8. Ustawa z dnia 4 lutego 1994 r. o prawie autorskim i prawach pokrewnych. (Dz.U. 1994 nr 24 poz. 83).

Additional:
1. Rajczyk J., Rajczyk M., Respondek Z., Wytyczne do przygotowania prac dyplomowych magisterskich i inżynierskich na Wydziale Budownictwa Politechniki Częstochowskiej, Częstochowa 2004.
2. Bobrowski D., Wybrane metody wnioskowania statystycznego, Wyd. Pol. Poznańskiej, Poznań 1988.

3. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych., Wydawnictwo Politechniki Śląskiej, Gliwice, 2003.

Breakdown of average student's workload

	Hours	ECTS
Total workload	500	20,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00