COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma thesis with elements of scientific research [S2Bud1E-KB>PDzEBN]

Course

Field of study
Civil Engineering

Year/Semester
2/3

Area of study (specialization)
Structural Engineering

Profile of study
general academic

Level of study
second-cycle

Course offered in
English

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
10

Projects/seminars
0

Number of credit points

16,00

Coordinators

dr hab. inż. Zdzisław Pawlak prof. PP
zdzislaw.pawlak@put.poznan.pl

Lecturers

Prerequisites

1. Knowledge: Knowledge obtained as part of the courses implemented in the second-cycle program in the field of Civil Engineering, specializing in Structural Engineering 2. Skills: Skills acquired during the second-cycle studies in Civil Engineering, specializing in Structural Engineering 3. Social competences: Ability to work independently on a given task and teamwork also

Course objective

Preparation of the student for independent or team performance of the master"s thesis.

Course-related learning outcomes

Knowledge:
1. Knows regulations regarding the protection of industrial property and copyright KB_W17

Skills:
1. He/she is able to obtain information from literature, databases and other properly selected sources; is able to integrate obtained information, make their creative interpretation and assessment, as well as draw conclusions, formulate and substantiate opinions and present them.KB_U17

2. He/she is able to independently plan and implement their own lifelong learning and direct others in this field and use their knowledge in the field of construction to communicate on specialized topics with diverse audiences, discuss and debate on important problems of the construction industry. KB_U18
3. He/she can manage team work, interact with other people as part of team work, and take a leading role in teams.KB_U19

Social competences:
1. He/she is responsible for the reliability of the results of his work and the work of his team KB_K01
2. He/she is responsible for the safety of own and team work KB_K02
3. He/she is ready to independently supplement and expand knowledge in the field of modern processes and technologies in construction KB_K03
4. He/she understands the need to protect copyrights and is ready to comply with and develop the principles of professional ethics, as well as care for the development of the achievements of the profession of civil engineer and uphold the ethos of the profession KB-K07

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
Systematic consultations checking the substantive correctness and stage of the master"s thesis.
The grade is issued by the supervisor of the Master thesis.

Programme content

Program content in accordance with the detailed tasks given in the topic card of the master"s thesis.

Course topics

Topics of classes in accordance with the specific tasks given in the thesis topic sheet.

Teaching methods

Regular meetings for consultation of the results of the Master thesis

Bibliography

Basic:
Scientific and technical literature, standards, guidelines, technical and technological requirements obtained by the graduate student in accordance with the topic of the diploma thesis
Additional:
Procedures, recommendations and detailed standards depending on the chosen research topic

Breakdown of average student's workload

	Hours	ECTS
Total workload	400	16,00
Classes requiring direct contact with the teacher	10	5,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	390	11,00