



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Preparation of MA Thesis\_Building Construction

### Course

Field of study

Year/Semester

Architecture

2/3

Area of study (specialization)

Profile of study

Architecture

general academic

Level of study

Course offered in

Second-cycle studies

english

Form of study

Requirements

full-time

compulsory

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

5h

0

1-person

Tutorials

Projects/seminars

0

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

mgr inż. Katarzyna Starzecka e -mail:

katarzyna.starzecka@put.poznan.pl

Wydział Architektury

Zakład Architektury Usługowej i Mieszkaniowej

ul. Jacka Rychlewskiego 2,

61-131 Poznań

### Prerequisites

1 Knowledge:

- The student has basic knowledge in the field of architectural design, building construction, general construction, materials science, useful for the development of simple technical drawings in the field of architectural and construction inventory,

- The student has basic knowledge of technical drawing and general construction related to an architectural object,



- The student has a basic knowledge of development trends in the field of general construction and materials science,
- The student knows and understands the general principles of copyright.

#### 2 Skills:

- The student is able to obtain information from literature, databases and other, properly selected sources, also in English, is able to integrate information, interpret it, as well as draw conclusions and formulate and justify opinions,
- The student is able to communicate with the use of concepts related to architectural design, construction, general construction and materials science in the professional environment of architects,
- The student is able to prepare and present technical drawings in Polish,
- The student is able to carry out measurements of existing buildings and rooms, interpret and save their results,

#### 3 Social competences:

- The student understands the need for lifelong learning, is able to inspire and organize the learning process of other people,
- The student is able to properly define the priorities for the implementation of the project task specified by the supervisor and reviewer,
- The student is able to identify and resolve dilemmas in the field of creating technical documentation for a building object,
- The student is able to think and act in an analytical manner

#### Course objective

Support of the graduate student during the preparation of the diploma project in the field of construction solutions. Review of knowledge of the subjects Construction and General Construction. Consultation of completed stages of the Diploma project in the construction industry.

#### Course-related learning outcomes

##### Knowledge

B.W5. advanced issues of construction, construction technologies and installations, construction and building physics, covering key, complex issues in architectural, urban and planning design;

B.W6. technical and construction regulations;

##### Skills

B.U5. use properly selected advanced computer simulations, analyzes and information technologies, supporting architectural and urban design, as well as evaluate the obtained results and their usefulness in design, and draw constructive conclusions;



B.U8. properly apply professional and ethical standards and rules as well as legal provisions in the field of architectural and urban design and spatial planning.

#### Social competences

B.S2. formulate reliable self-assessment, formulate constructive criticism regarding architectural and urban planning activities, as well as accept criticism of the solutions presented by them, responding to criticism in a clear and factual manner, also using arguments referring to the available achievements in the scientific discipline, and creative as well as constructive use of criticism .

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

One consultation on the Diploma project and participation in at least one seminar lecture

#### Programme content

Repetition of knowledge of the subjects Construction and General Construction with particular emphasis on the possibility and necessity of using individual structural elements in specific types of buildings.

Shaping the skills of initial selection of dimensions of structural elements for individual types of buildings, including the proper selection of the method of building foundations.

#### Teaching methods

1. Lecture.
2. Lecture with a multimedia presentation.
3. Individual consultations
4. eLearning Moodle (a system supporting the teaching process and distance learning)

#### Bibliography

##### Basic

1. Markiewicz P. Budownictwo ogólne dla architektów Arkady 2011.
2. praca zbiorowa, Poradnik majstra budowlanego, Arkady 1992.
3. Żeńczykowski W.. Budownictwo ogólne 2/1, Arkady , Warszawa
4. Żeńczykowski W.. Budownictwo ogólne 2/2, Arkady , Warszawa
5. Żeńczykowski W.. Budownictwo ogólne 3/1, Arkady , Warszawa
6. Żeńczykowski W.. Budownictwo ogólne 3/2, Arkady , Warszawa 6

##### Additional

1. Seria wydawnicza: Słabe miejsca w budynkach tomy 1-6 Arkady



### Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,0
Classes requiring direct contact with the teacher	5	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	25	1,0

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