



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Architectural Inventory Practice (2 weeks) [S1Arch1>PIA]

### Course

Field of study  
Architecture

Year/Semester  
1/2

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  
80

Projects/seminars  
0

### Number of credit points

3,00

### Coordinators

### Lecturers

mgr inż. arch. Joanna Bogajewska-Danek  
joanna.bogajewska-danek@put.poznan.pl

dr hab. inż. arch. Adam Nadolny prof. PP  
adam.nadolny@put.poznan.pl

dr inż. arch. Karolina Sobczyńska  
karolina.sobczynska@put.poznan.pl

dr inż. arch. Joanna Kaszuba  
joanna.kaszuba@put.poznan.pl

prof. dr hab. inż. arch. Piotr Marciniak  
piotr.marciniak@put.poznan.pl

dr hab. inż. arch. Grażyna Kodym-Kozaczko  
grazyna.kodym-kozaczko@put.poznan.pl

Dariusz Stankiewicz  
dariusz.stankiewicz@put.poznan.pl

Adrianna Brechelke  
adrianna.brechelke@doctorate.put.poznan.pl

### Prerequisites

- student has explicit, theoretically based knowledge including the key issues of history of general and Polish architecture, - student has explicit, theoretically based knowledge including the key issues of architecture, constructions, installations, building materials, - student knows basic methods, techniques and materials used in architect work, - student can communicate in Polish and English using different techniques, also using manual architectural drawing in the professional environment and in other environments, - student can plan and carry out experiments, including the computer measurements and simulations, can interpret the results and draw conclusions, - can formulate and test hypothesis related to engineering problems and simple research problems - student understands the need for lifelong learning; can inspire and organize process of learning other people, - can work and cooperate in a team, assuming a number of different roles therein.

## Course objective

1. learning the contemporary inventory methods of architectural facilities, 2. Obtain the ability to preparation of inventory documentation, 3. Becomes familiar students with methods of buildings erection and their equipment: heating systems, installations, constructions of staircases, methods of fixing the doors and windows, constructions of building carpentry, 4. Teaching students the cooperation and shared responsibility for executing work and its results, 5. Enables to make hypotheses and developing the inventiveness in analyzing functions, constructions and details of complicated houses structures and other facilities and possibilities of checking them using different ways.

## Course-related learning outcomes

### Knowledge

Student knows and understands:

A.W1. architectural design for the implementation of simple tasks, in particular: simple facilities taking into account the basic needs of users, single- and multi-family housing, service facilities in residential complexes, public facilities in an open landscape or in an urban environment;

### Skills

Student can:

-

### Social competences

Student is capable of:

-

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Credit conditions and evaluation method.

An important criterion of project assessment is way of realization of following issues:

- selection of building quantity survey method – appropriate for building type and its elements,
- quality, precision and scope of collected surveying information as well as photographic documentation,
- effective form of data recording, that allows the accurate reproduction during preparation of integrated inventory documentation,
- effective location of problems, which require the reanalysis after preparation of preliminary inventory documentation,
- solving problems in the application of non-stereotypical technical solutions or research solutions,
- creative and reliable approach to information coordination of building into uniform documentation,
- the ability to work in group,
- timely completion of task.

Formative assessment:

- partial reviews checking the progress of student work – individual assessments resulting from above criteria

- 3 main reviews during semester

Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

Summative assessment:

- grade for written exam is an average of partial grades (knowledge and drawing skills)

Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus

## Programme content

Each time the student has the option to choose the subject of the project (in line with the general profile of the subject), and with the consent of the tutor, he can change the project group

Preparation of full inventory documentation of building or buildings complex, including: views, sections, facades and architectural details.

Preliminary part:

At this stage work should be carried out in the form of workshops for the whole inventory group. Initial tasks are defined in the following way:

- Selection of appropriate method of building quantity survey.
- Appropriate division of tasks in the group, enabling the effective collecting information of existing building.
- Selection of correct reference points; in relation to that points will be collected dimensions. These points enable later coordination of documentation.

Crucial part:

At this stage work should be carried out in small surveying groups (2-3 people), which will realize the selected aspect of building quantity survey (views, facades, sections or details).

Tasks includes the following issues:

- Appropriate selection of information collection methods of surveying element.
- Preparation of working documentation in a systematic manner, which will enable correct reading of collected information in a later stage.
- Keeping the well-ordered photographic documentation.
- Successive data entry on inventory drawings.
- Checking the dimensions between small surveying groups for minimize the measurement errors.

Preparation of full integrated inventory documentation, having graphic form common for the whole workshop group. Documentation includes not only final drawing, but also working drawings showing the ways of spatial analyses and collected photographic documentation.

## Teaching methods

1. exercise method based on the use of various sources of knowledge and a conversation room; graphical interpretation of the issues discussed.
2. [ekursy.put.poznan.pl](http://ekursy.put.poznan.pl) (a teaching and learning support system for distance learning).

## Bibliography

Basic:

1. Polska Norma PN-70/B-02365 „Powierzchnia budynków. Podział, określanie i zasady obmiaru”
2. PN- ISO 9836:1997 „Właściwości użytkowe w budownictwie. Określanie i obliczanie wskaźników powierzchniowych i kubaturowych.”

Additional:

Inventories from previous years.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	80	3,00
Classes requiring direct contact with the teacher	40	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	40	1,50