

<b>COURSE DESCRIPTION CARD</b>			
The name of the course/module <b>INVENTORY TRAINING</b>			Code <b>A_K_2.1_014</b>
Main field of study <b>ARCHITECTURE</b>		Educational profile (general academic, practical) <b>general academic</b>	Year / term <b>I/1</b>
Specialization <b>-</b>		Language of course: <b>Polish/english</b>	Course (core, elective) <b>core</b>
Hours Lectures: - Classes: - Laboratory classes: - Projects / seminars: <b>15</b>			Number of points <b>1</b>
Level of qualification: <b>II</b>	Form of studies (full-time studies/part-time studies) <b>Full-time studies</b>	Educational area(s) <b>Technical Sciences</b>	ECTS division (number and %) <b>1 100%</b>
Course status in the studies' program (basic, directional, other) <b>directional</b>		(general academic, from a different major) <b>-</b>	
Lecturer responsible for course: <b>prof. PP dr hab. inż. arch. Piotr Marciniak</b> e-mail: piotr.marciniak@put.poznan.pl Faculty of Architecture ul. Nieszawska 13A, 61-021 Poznań tel. 61 665 33 05		Lecturer: <b>mgr inż. arch. Agnieszka Rumieź</b> e-mail: agnieszka.rumiez@put.poznan.pl Faculty of Architecture ul. Nieszawska 13A, 61-021 Poznań tel. 61 665 33 05	
<b>Prerequisites defined in terms of knowledge, skills, social competences:</b>			
1	<b>Knowledge:</b>	<ul style="list-style-type: none"> <li>▪ student has explicit, theoretically based knowledge including the key issues of history of general and Polish architecture,</li> <li>▪ student has explicit, theoretically based knowledge including the key issues of architecture, constructions, installations, building materials,</li> <li>▪ student knows basic methods, techniques and materials used in architect work,</li> </ul>	
2	<b>Skills:</b>	<ul style="list-style-type: none"> <li>▪ student can communicate in Polish and English using different techniques, also using manual architectural drawing in the professional environment and in other environments,</li> <li>▪ student can plan and carry out experiments, including the computer measurements and simulations, can interpret the results and draw conclusions,</li> <li>▪ can formulate and test hypothesis related to engineering problems and simple research problems,</li> </ul>	
3	<b>Social competences:</b>	<ul style="list-style-type: none"> <li>▪ student understands the need for lifelong learning; can inspire and organize process of learning other people,</li> <li>▪ can work and cooperate in a team, assuming a number of different roles therein.</li> </ul>	
<b>Objective of the course:</b>			
<ol style="list-style-type: none"> <li>1. learning the contemporary inventory methods of architectural facilities,</li> <li>2. obtain the ability to preparation of inventory documentation,</li> <li>3. becomes familiar students with old methods of buildings erection and their equipment: heating systems, installations, constructions of staircases, methods of fixing the doors and windows, constructions of building carpentry,</li> <li>4. teaching students the cooperation and shared responsibility for executing work and its results,</li> <li>5. enables to make hypotheses and developing the inventiveness in analyzing functions, constructions and details of complicated old houses structures and other facilities and possibilities of checking them using different ways.</li> </ol>			
<b>Learning outcomes</b>			
<b>Knowledge:</b>			
W01	Student has explicit, well-grounded theoretical knowledge of the issues related to the theory of renovation of historic buildings, timber architecture and the theory and principles of commercial and industrial development;		AU2_W01
W02	Student has knowledge of development trends and most important achievements in revitalisation, designing and modernising historical buildings.		AU2_W02

<b>Skills:</b>		
U01	Student can acquire information from field specific literature, data bases and other properly selected sources in Polish and English, can integrate the acquired information, interpret the said information, as well as draw conclusions and come up with opinions supported with satisfactory reasons;	AU2_U01
U02	Student can use IT techniques respectively to the performance of tasks typical for designing activities related to independent technical functions in construction.	AU2_U07
<b>Social competences:</b>		
K01	Student can work on a task, comprising many different problems, in a responsible manner, individually and in a team;	AU2_K01
K02	At the execution of an engineering task/organisational task, he/she can think reasonably and act in a creative, entrepreneurial and innovative way;	AU2_K02
K03	Student is aware of the importance of non-technical aspects and effects of engineering activities, in this impact upon the environment and liability for environment affecting decisions.	AU2_K05
<b>The evaluation methods:</b>		
<p><b>Credit conditions and evaluation method.</b>  An important criterion of project assessment is way of realization of following issues:</p> <ol style="list-style-type: none"> <li>selection of building quantity survey method – appropriate for building type and its elements,</li> <li>quality, precision and scope of collected surveying information as well as photographic documentation,</li> <li>effective form of data recording, that allows the accurate reproduction during preparation of integrated inventory documentation,</li> <li>effective location of problems, which require the reanalysis after preparation of preliminary inventory documentation,</li> <li>solving problems in the application of non-stereotypical technical solutions or research solutions,</li> <li>creative and reliable approach to information coordination of building into uniform documentation,</li> <li>the ability to work in group,</li> <li>timely completion of task.</li> </ol> <p><b>Formative assessment:</b></p> <ul style="list-style-type: none"> <li>partial reviews checking the progress of student work – individual assessments resulting from above criteria</li> <li>3 main reviews during semester</li> </ul> <p>Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0</p> <p><b>Summative assessment:</b></p> <ul style="list-style-type: none"> <li>grade for written exam is an average of partial grades (knowledge and drawing skills)</li> </ul> <p>Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0</p> <p><b>Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus.</b></p>		
<b>Course contents</b>		
<p>Preparation of full inventory documentation of building or buildings complex, including: views, sections, facades and architectural details.</p> <p><b>Preliminary part:</b>  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:</p> <ul style="list-style-type: none"> <li>Selection of appropriate method of building quantity survey.</li> <li>Appropriate division of tasks in the group, enabling the effective collecting information of existing building.</li> <li>Selection of correct reference points; in relation to that points will be collected dimensions. These points enable later coordination of documentation.</li> </ul> <p><b>Crucial part:</b>  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:</p> <ul style="list-style-type: none"> <li>Appropriate selection of information collection methods of surveying element.</li> <li>Preparation of working documentation in a systematic manner, which will enable correct reading of collected information in a later stage.</li> <li>Keeping the well-ordered photographic documentation.</li> <li>Successive data entry on inventory drawings.</li> <li>Checking the dimensions between small surveying groups for minimize the measurement errors.</li> </ul> <p>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</p>		

analyses and collected photographic documentation.		
<b>Basic bibliography:</b>		
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.”		
<b>Supplementary bibliography:</b>		
Inventories from previous years.		
<b>The student workload</b>		
<b>Form of activity</b>	<b>Hours</b>	<b>ECTS</b>
Overall expenditure	33	1
Classes requiring an individual contact with teacher	3	0,2
Practical classes	30	1

#### Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	0 h
participation in classes/ laboratory classes (projects)	10 h
preparation for classes/ laboratory classes	15 x 1 h = 15 h
preparation to colloquium/final review	5 h
participation in consultation related to realization of learning process	3 x 1 h = 3 h
preparation to the exam	0 h = 0 h
attendance at exam	0 h

Total workload of student:

**1 ECTS credit**

**33 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

10 h + 3 h = 13 h