

## FACULTY OF ARCHITECTURE

## COURSE SYLLABUS

Course title in Polish: **Studium projektowe - budynki dla wspólnoty lokalnej**Course title in English: **Design studio - Community buildings**Main field of study (if applicable): **Architecture**

Specialization (if applicable): -

Profile: **academic**Level and form of studies: **1st level, full-time**Course type: **optional**Course code: **AUA 105081P**Group of courses: **NO**

	Lecture	Tutorial	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)				<b>60</b>	
Number of hours of total student workload (CNPS)				<b>240</b>	
Form of crediting				<b>Crediting with grade</b>	
For group of courses mark (X) final course					
Number of ECTS points				<b>6</b>	
including number of ECTS points for practical (P) classes				<b>6</b>	
including number of ECTS points for direct teacher-student contact (BK) classes				<b>4</b>	

**PREREQUISITES RELATED TO KNOWLEDGE, COMPETENCES AND SOCIAL SKILLS**

<b>COURSE OBJECTIVES</b>
<b>C1</b> - Attainment of knowledge and skills in the design of small – scale public architecture. <b>C2</b> - Acquisition of contextual design skills: especially concerning design in natural and cultural context of a neighbourhood. <b>C3</b> - Learning to unify different aspects of architectural design: functional, formal and technical. <b>C4</b> - Developing the representational skills in architectural design: plans, sections, 3D representation, presentation of architectural ideas with diagrams, graphs and models. <b>C5</b> - Attainment of skills in formulation and use of spatial – functional criteria for design and assessment of the architectural solutions based upon these criteria.
<b>COURSE LEARNING OUTCOMES</b>

**Relating to knowledge:**

**PEK\_W01** - Presents well-grounded and thorough knowledge in the field of small-scale public buildings' architectural design in a complex urban context. Presents elementary knowledge of the design of this type of buildings' structure and fixtures. (K1A\_W21)

**PEK\_W02** - Demonstrates ability to relate to trends in the development of modern architecture, understands the sources of inspiration from local cultures, and current knowledge in human sciences related to architecture. (K1A\_W14)

**PEK\_W03** - Has knowledge in the field of ergonomics and safety rules in architectural design, is aware of technical conditions of architectural design, is able to implement the above mentioned knowledge in a concept of a small-scale community building. (K1A\_W24 )

**Relating to competences:**

**PEK\_U01** - Is able to present a design concept in a manner consistent with the architectural and construction regulations and attractive plastically. (K1A\_U08)

**PEK\_U02** - Is able to apply material, formal and functional solutions befitting the cultural context and the scale of surroundings and give arguments for his/her creative decisions. (K1A\_U13, K1A\_U14)

**PEK\_U03** - Has an ability to convey his/her design ideas using architectural tools such as plan, section drawings, 3D models, diagrams. (K1A\_U19)

**Relating to social skills:**

**PEK\_K01** - Respects the diversity of the built environment in which he/she situates the project, is aware of the principle of good continuity, and spatial order. (K1A\_K07)

**PEK\_K02** - Is aware of the social and environmental role of public buildings in small local communities. (K1A\_K10)

**PROGRAMME CONTENT**

<b>Project</b>		<b>Number of hours</b>
Proj 1	Presentation of design topics, introductory lecture. Site visit.	4
Proj 2	Location analysis, spatial relations of the plot to the surrounding urban tissue. Analysis of the needs of the local community based on visit to the site and source query. Mapping of community related services in the area. Brainstorming - selection of main goals for the project.	4
Proj 3	Presentation of the designs - work in progress critique.	4
Proj 4, 5	SWOT analysis and mapping impressions from the site visit. Understanding the location: describing future target group for the project. Analyzing the volumetric and functional capacity of the land plot, adjusting the functional and spatial program to the location conditions. Individual consultations, thematic discussions within the project group.	8
Proj 6, 7	Site development plan, zoning of the building and its surroundings. interconnected functional zones of the building. Individual consultations, thematic discussions within the project group.	8
Proj 8	Presentation of the designs - work in progress critique.	4
Proj 9	Scenarios for the building functioning. Synergistic and mutually conflicting functions, functional flexibility. Individual consultations, thematic discussions within the project group.	4

Proj 10, 11	The built volume, its tectonics and details. The form and structure of the building. Individual consultations, group discussions and presentations of work in progress.	8
Proj 12	Presentation of the designs - work in progress, critique.	4
Proj 13, 14	Technical issues - the building structure, security, material solutions. Choice of the form of project representation. Individual corrections, thematic discussions within the project group.	8
Proj 15	Final presentations and critique	4
	<b>Total hours</b>	<b>60</b>
<b>TEACHING TOOLS</b>		
<b>N1</b> - Individual consultations and presentations. <b>N2</b> - Discussion upon conceptual designs. <b>N3</b> - Multimedia presentation.		

<b>ASSESSMENT OF ACHIEVEMENT OF LEARNING OUTCOMES</b>		
<b>Evaluation</b> (F – forming (during semester), C – concluding (at semester end))	Number of learning outcome	Method of assessing the achievement of learning outcome
F1	PEK_W03 PEK_K01 PEK_U01 PEK_U02 PEK_U03 PEK_W01 PEK_W02 PEK_K02	Advances in the design, which is reviewed at least three times during the term.
F2		Final design review.
<b>C = 0,6 F1 + 0,4 F2</b>		

<b>BASIC AND ADDITIONAL LITERATURE</b>
<b><u>BASIC LITERATURE:</u></b> [1] Meuser, N. (ed), <i>Construction and Design Manual. School Buildings</i> , Berlin 2014. [2] Ronstedt M., Frey, T., <i>Hotel Buildings Construction and Design Manual</i> , Berlin 2014. [3] Dudek, M., <i>Kindergarten Architecture: Space for the Imagination</i> , London 1996. [4] Dudek, M., <i>Architecture of Schools: The New Learning Environments</i> , New York 2000. [5] Fischer, J., Meuser, P., <i>Accessible Architecture Construction and Design Manual</i> , Berlin 2012. [6] Hertzberger, H., <i>Space and Learning</i> , Rotterdam 2007. [7] Barr, V., Kliment, S. A., <i>Building type basics for retail and mixed-use facilities</i> , Hoboken, 2004. [8] Roberts, N. W., <i>Building type basics for places of worship</i> , Hoboken, 2004. [9] Koolhaas, R., <i>Elements of Architecture, La Biennale di Architettura di Venezia</i> , Marsilio 2014. [10] Ching, F. D., <i>Architecture - Form Space and Order</i> , third edition, Wiley 2007.

**ADDITIONAL LITERATURE:**

- [1] Mückenheim, M., Demel, J., *Inspiration: contemporary design methods in architecture*, Amsterdam 2012.
- [2] Boys, J., *Doing disability differently: an alternative handbook on architecture, disability and designing for everyday life*, London, New York 2014.
- [3] Groat, Linda, Wang, D., *Architectural research methods*, second edition, Hoboken, 2013.
- [4] Heath, K. W., *Vernacular architecture and regional design - cultural process and environmental response*, Oxford 2009.
- [5] Architectural magazines: “Architektura - Murator”, “Architektura i Biznes”, DETAIL, AD, JA, El Croquis, etc.
- [6] Architectural websites: [www.archdaily.com](http://www.archdaily.com), [divisare.com](http://divisare.com), [www.dezeen.com](http://www.dezeen.com), [www.ronnet.pl](http://www.ronnet.pl), [sztuka-architektury.pl](http://sztuka-architektury.pl) etc.

**COURSE SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)**

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