

MODULE SPECIFICATION

Module code	
Module title in Polish	Podstawy projektowania architektonicznego
Module title in English	Principles of Architectural Design
Module running from the academic year	2016/2017

A. MODULE IN THE CONTEXT OF THE PROGRAMME OF STUDY

Field of study	Civil Engineering
Level of qualification	First cycle <i>(first cycle, second cycle)</i>
Studies profile	Academic <i>(academic/practical)</i>
Mode of study	Full-time <i>(full-time / part-time)</i>
Specialism	
Organisational unit responsible for module delivery	The Department of Architecture and Town Planning
Module co-ordinator	Dariusz Piotrowicz, PhD, Eng. of Architecture
Approved by	Marek Iwański, Professor

B. MODULE OVERVIEW

Module type	Core module <i>(core/programme-specific/elective HES*)</i>
Module status	Compulsory module <i>(compulsory / non-compulsory)</i>
Language of module delivery	English
Semester in the programme of study in which the module is taught	Semester 2
Semester in the academic year in which the module is taught	Summer semester <i>(winter / summer)</i>
Pre-requisites	None <i>(module code/module title, where appropriate)</i>
Examination required	No <i>(yes / no)</i>
ECTS credits	2

Mode of instruction	lectures	classes	laboratories	project	others
Total hours per semester	15			15	

* elective HES – elective modules in the Humanities and Economic and Social Sciences

C. LEARNING OUTCOMES AND ASSESSMENT METHODS

Module aims	The aim of the module is to familiarise students with modern architectural trends and master knowledge as regards architectural design; other aims include acquiring the ability of preparing a project as regards shaping architectural form and function in the urban space, the environment of a natural and cultural landscape.
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Module outcome code	Module learning outcomes	Mode of instruction (l/c/lab/p/ others)	Corresponding programme outcome code	Corresponding discipline-specific outcome code
W_01	A student is knowledgeable about basic principles of shaping a readable architectural composition and creating order in space.	l	B_W05	T1A_W01 T1A_W02 T1A_W03 T1A_W07
W_02	A student has knowledge of the elements creating architectural composition and the role they play in shaping the living space of a man.	l	B_W10	T1A_W03 T1A_W04 T1A_W05 T1A_W07 T1A_W08
W_03	A student has knowledge as regards designing residential housing as well as knowledge concerning modern European standards and trends in shaping the living environment of a man.	l/p	B_W10	T1A_W03 T1A_W04 T1A_W05 T1A_W07 T1A_W08
U_01	A student has the ability of appropriate selection of the structure, program, and functional connections; the principles of locating rooms as well as their equipment in terms of the designed object (a flat a basic unit – the living environment of a man) with respect to the requirements of a physical and psychological comfort of a man; the aesthetics and principles of ergonomics and appropriate relationship with the environment.	l/p	B_U01 B_U14	T1A_U03 T1A_U04 T1A_U05 T1A_U08 T1A_U09 T1A_U14 T1A_U16
U_02	A student has the ability of creating designing techniques as well as the ability of presenting his/her own concepts and the design concept.	p	B_U01 B_U14 B_U29	T1A_U01 T1A_U03 T1A_U04 T1A_U05 T1A_U06 T1A_U07 T1A_U08 T1A_U09 T1A_U10 T1A_U14 T1A_U16
K_01	A student can work individually.	p	B_K01	T1A_K01 T1A_K03 T1A_K04
K_02	A student is communicative in the formulated conclusions and presentations given.	p	B_K03	T1A_K01 T1A_K05 T1A_K06

Module content:

1. Topics to be covered in the lectures

No.	Topics	Module outcome code
1	Introduction to the issues of architectural design. Basic notion, definitions,	W_01

	and design conditions. Perception as the art of vision as the basis of architectural activity.	W_02 W_03 U_01
2 – 3	Modern styles and architectural directions. The examples of detached housing.	W_02 W_03 U_01 U_02
4 – 6	An architectural form. The fundamentals of architectural composition and composition elements: order, form, division, hierarchy, symmetry and asymmetry, scale; proportions, rhythm, design, texture, contrast, light, and colour.	W_01 W_02 W_03 U_01 U_02
7 – 8	Shaping basic elements of the living space of a man. Spatial environment.	W_01 W_02 W_03 U_01 U_02
9 – 10	A landscape (types and forms).	W_02 W_05 U_01
11 – 12	A cultural landscape.	W_02 W_03 U_01
13 – 14	Linking a flat with the natural and anthropogenic environment. Space: interior, place and space-time continuum.	W_02 W_03 U_01

2. Topics to be covered in the classes
3. Topics to be covered in the laboratories
4. Topics to be covered in the projects

Project number	Topics	Module outcome code
1	Preparing the concept of an architectural form concerning a detached house on a particular plot considering determined the conditions of land development in the existing natural and cultural environment.	W_01 W_02 W_03 U_01 U_02 K_01 K_02

Assessment methods

Module outcome code	Assessment methods <i>(Method of assessment; for module skills – reference to specific project, laboratory and similar tasks)</i>
W_01	A project
W_02	A project
W_03	Obtaining a credit for the lectures
U_01	Obtaining a credit for the lectures and a project
U_02	A project
K_01	Obtaining a credit for the lectures and a project
K_02	A project

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C. STUDENT LEARNING ACTIVITIES

ECTS summary		
	Type of learning activity	Study time/ credits
1	Contact hours: participation in lectures	15
2	Contact hours: participation in classes	
3	Contact hours: participation in laboratories	
4	Contact hours: attendance at office hours (2-3 appointments per semester)	
5	Contact hours: participation in project-based classes	15
6	Contact hours: meetings with a project module leader	
7	Contact hours: attendance at an examination	
8		2
9	Number of contact hours	32 <i>(total)</i>
10	Number of ECTS credits for contact hours <i>(1 ECTS credit =25-30 hours of study time)</i>	1.3
11	Private study hours: background reading for lectures	5
12	Private study hours: preparation for classes	
13	Private study hours: preparation for tests	
14	Private study hours: preparation for laboratories	
15	Private study hours: writing reports	
16	Private study hours: preparation for a final test in laboratories	
17	Private study hours: preparation of a project/a design specification	8
18	Private study hours: preparation for an examination	5
19		
20	Number of private study hours	18 <i>(total)</i>
21	Number of ECTS credits for private study hours <i>(1 ECTS credit =25-30 hours of study time)</i>	0.7
22	Total study time	50
23	Total ECTS credits for the module <i>(1 ECTS credit =25-30 hours of study time)</i>	2
24	Number of practice-based hours <i>Total practice-based hours</i>	23
25	Number of ECTS credits for practice-based hours <i>(1 ECTS credit =25-30 hours of study time)</i>	0.9