

## MODULE SPECIFICATION

Module code	
Module title in Polish	<b>Praca dyplomowa</b>
Module title in English	<b>Diploma Thesis</b>
Module running from the academic year	<b>2016/2017</b>

### A. MODULE IN THE CONTEXT OF THE PROGRAMME OF STUDY

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

### B. MODULE OVERVIEW

Module type	<b>Core module</b> <i>(core/programme-specific/elective HES*)</i>
Module status	<b>Compulsory module</b> <i>(compulsory / non-compulsory)</i>
Language of module delivery	<b>English</b>
Semester in the programme of study in which the module is taught	<b>Semester 7</b>
Semester in the academic year in which the module is taught	<b>Summer/Winter semester</b> <i>(winter / summer)</i>
Pre-requisites	<b>None</b> <i>(module code/module title, where appropriate)</i>
Examination required	<b>No</b> <i>(yes / no)</i>
ECTS credits	<b>15</b>

Mode of instruction	lectures	classes	laboratories	project	others
<b>Total hours per semester</b>					

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

### C. LEARNING OUTCOMES AND ASSESSMENT METHODS

<b>Module aims</b>	The aim of the module is to confirm students' practical skills as regards their specialization.
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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 designing building structures, constructional elements or technological processes.	p	B_W05, B_W06 B_W07, B_W08 B_W09, B_W10 B_W11, B_W17 B_W22	T1A_W01 T1A_W02 T1A_W03 T1A_W05 T1A_W06 T1A_W07 T1A_W08
W_02	A student is knowledgeable about assessing a technical condition of an object as well as the impact of an installation of investment on the environment.	p	B_W12, B_W13 B_W14, B_W15 B_W17, B_W18 B_W19, B_W21 B_W22	T1A_W02 T1A_W03 T1A_W05 T1A_W06 T1A_W07 T1A_W08
W_03	A student has knowledge facilitating the analysis and assessment of an engineering problem.	p	B_W13, B_W14 B_W18, B_W19 B_W22	T1A_W02 T1A_W03 T1A_W05 T1A_W06 T1A_W07 T1A_W08
U_01	A student can design building structures, constructional elements or technological processes.	p	B_U03, B_U07 B_U08, B_U09 B_U10, B_U11 B_U12, B_U13 B_U14, B_U18 B_U19, B_U20 B_U29	T1A_U01 T1A_U03 T1A_U04 T1A_U05 T1A_U06 T1A_U07 T1A_U08 T1A_U09 T1A_U10 T1A_U11 T1A_U12 T1A_U13 T1A_U14 T1A_U15 T1A_U16
U_02	A student can assess a technical condition of an object; a student can also assess the impact of an installation of investment on the environment.	p	B_U07, B_U13 B_U20, B_U22 B_U23, B_U24 B_U25, B_U26 B_U27, B_U29	T1A_U01 T1A_U03 T1A_U04 T1A_U05 T1A_U06 T1A_U07 T1A_U08 T1A_U09 T1A_U10 T1A_U11

				T1A_U12 T1A_U13 T1A_U14 T1A_U15 T1A_U16
U_03	A student can conduct the analysis and assessment of an engineering problem.	p	B_U22, B_U24 B_U27, B_U29	T1A_U01 T1A_U02 T1A_U03 T1A_U04 T1A_U05 T1A_U06 T1A_U07 T1A_U08 T1A_U09 T1A_U10 T1A_U11 T1A_U13 T1A_U14 T1A_U15 T1A_U16
K_01	A student can work individually and understands the significance of his/her responsibility in engineering activity.	p	B_K01, B_K02	T1A_K01 T1A_K02 T1A_K03 T1A_K04 T1A_K05 T1A_K07
K_02	A student is aware of the necessity of raising his/her professional competences; a student also improves and broadens his/her knowledge.	p	B_K03	T1A_K01 T1A_K05 T1A_K06
K_03	A student formulates his/her opinions; a student describes the results of his/her own work; in addition, a student is communicative in multimedia presentations.	p	B_K04	T1A_K01 T1A_K07

### Module content:

1. Topics to be covered in the lectures
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.	A project of a building structure, a constructional element or a technological process.	W_01 U_01 K_01 K_02 K_03
2.	Assessing a technical state of an object; assessing the impact of an investment or installation on the environment.	W_02 U_02 K_01 K_02 K_03
3.	Preparing an engineering problem based on the analysis and data assessment from literary sources.	W_03 U_03 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	Completing and defending a diploma thesis.
W_02	Completing and defending a diploma thesis.
W_03	Completing and defending a diploma thesis.
U_01	Completing and defending a diploma thesis.
U_02	Completing and defending a diploma thesis.
U_03	Completing and defending a diploma thesis.
K_01	Completing and defending a diploma thesis.
K_02	Completing and defending a diploma thesis.
K_03	Completing and defending a diploma thesis.

### C. STUDENT LEARNING ACTIVITIES

ECTS summary		
	Type of learning activity	Study time/ credits
1	Contact hours: participation in lectures	
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	
6	Contact hours: meetings with a project module leader	
7	Contact hours: attendance at an examination	
8		
9	<b>Number of contact hours</b>	<i>(total)</i>
10	<b>Number of ECTS credits for contact hours</b> <i>(1 ECTS credit =25-30 hours of study time)</i>	
11	Private study hours: background reading for lectures	
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	
18	Private study hours: preparation for an examination	
19	Preparing a project	<b>375</b>
20	<b>Number of private study hours</b>	<b>375</b> <i>(total)</i>
21	<b>Number of ECTS credits for private study hours</b> <i>(1 ECTS credit =25-30 hours of study time)</i>	<b>15</b>
22	<b>Total study time</b>	<b>375</b>
23	<b>Total ECTS credits for the module</b> <i>(1 ECTS credit =25-30 hours of study time)</i>	<b>15</b>

24	<b>Number of practice-based hours</b> <i>Total practice-based hours</i>	<b>375</b>
25	<b>Number of ECTS credits for practice-based hours</b> <i>(1 ECTS credit =25-30 hours of study time)</i>	<b>15</b>