COURSE DESCRIPTION CARD

The name of the course/module		Code
DIPLOMA SEMINAR (FIRST-CYCLE STUDIES)		**A_K_1.7_003**

Main field of study	Educational profile (general academic, practical)	Year / term
ARCHITECTURE	**general academic**	**IV/7**
Specjalization: **-**	Language of course: **Polish**	Course (core, elective): **elective**

Godziny	Number of points
Lectures: Classes: **-** Laboratory classes: **-** Projects / seminars: **30**	**5**

Level of qualification:	**Form of studies** (full-time studies/part-time studies)	**Educational area(s)**	**ECTS distribution (number and %)**
I	**Full-time studies part-time studies**	**Technical Sciences**	**5 100%**

Course status in the studies' program (basic, directional, other)	(general academic, from a different major)
directional	**-**

Lecturer responsible for the course:

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Prerequisites defined in terms of knowledge, skills, social competences:

1	**Knowledge:**	– student has explicit, theoretically based knowledge including the key issues of designing architectural and urban planning composition, – student has knowledge of development trends in designing architectural and urban planning form, – student knows the basic methods used at solving design tasks in the scope of designing architectural and urban form, – student has knowledge required for the understanding of social determinants of activity related to correct formation of space,
2	**Skills:**	– student can acquire information from publications, data bases and other sources in Polish and other foreign language considered as a language of international communication in his/her field of study, can interpret and integrate the said information and draw conclusions as well as voice and justify opinions, – student can prepare in Polish (and foreign language), which is considered as a basic for the field of science and scientific disciplines relevant to his/her field of study, well-documented elaboration concern issues related to main trends and directions of architecture and urban planning, – student has self-education skills, – student can carry out critical analysis and assess the importance of design solutions in the scope of architectural and urban planning composition, – student can use IT techniques, including artistic means, respectively to the performance of tasks typical for designing the architectural composition,
3	**Social competences:**	– student is aware of the importance of non-technical aspects and effects of architectural activities, in this impact upon the environment and spatial context and liability for environment affecting decisions related to correct formation of space, – student correctly identifies dilemmas related to profession of architect and town planner, – student is aware of social role of technical studies graduate, especially understands the needs of formulation and communication to the public, especially by mass media, information and opinions related to the achievements of technique and other aspects of engineering activity; makes efforts to provide such information and opinion in commonly understood manner, – student can work and cooperate in a team, assuming a number of different roles therein.

Objective of the course:
- theoretical preparation of student to development of engineering diploma project, consisting in development of

individual topics, discussing in diploma project
- presentation of development methodology of engineering diploma project with descriptive part, determination of work plan
- discussion of issues of work originality and consequences of proving plagiarism
- searching the source materials
- implementation of theoretical chapters of work: support and development of the analytic part of engineering diploma thesis. Discussion of importance and preparation of analyses
- discussion of conclusions from carried out analysis and determine their impact on selection of design solutions
- determine the complementary literature related to design issues
- implementation of design part according to guidelines ("Diploma thesis. Methodological guide for students preparing engineering or master diploma thesis")
- presentation of assumptions and results of engineering diploma thesis; preparation, uttering and preliminary assessment of final presentation of diploma thesis

Learning outcomes

Knowledge:		
W01	student has basic knowledge on modern trends in architectural designing	UA1_W02
W02	student knows the basic methods, techniques, tools and materials used at solving engineering tasks in the scope of architectural designing	UA1_W19
Skills:		
U01	student can prepare and present oral presentations as well as a well-documented elaborations on issues related to architecture and town planning in Polish and English	UA1_U03
U02	student can use selected computer programs supporting design decisions	UA1_U13
Social competences:		
K01	student can work over a set task independently and can cooperate in a team, assuming a number of different roles therein; demonstrates responsibility in the work performance	UA1_K01
K02	student is aware of the importance of the solutions proposed by an architect and liability arising thereunder	UA1_K08

The evaluation methods:

Conditions for credit and evaluation method of Diploma Seminar.
A basic credit condition and assessment criterion are:
- the degree of topics originality in diploma project,
- the quality of development of work's theoretical chapters, among other things analytic part: compositional, functional, communicational analysis, greenery analysis, view analysis, analysis of insolation conditions, historical analysis in relation to location of diploma project
- accuracy of drawn conclusions from carried out analysis and their transformation on design solutions
- implementation quality of design part: optionality of presented design propositions, creative use the innovative structural systems and building materials
- assessment of presentation of engineering diploma thesis prepared by student.

– **Summative assessment:**
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.

Course contents

Presentation of assumptions and results of engineering diploma thesis; preparation, uttering and preliminary assessment of final presentation of diploma thesis
Descriptive part, development of 40 – 60 pages of A4 text, containing:
- admittance (with introduction and substantiation of topic selection)
- main descriptive part of work consisting of technical description
- the end, including summary of whole work and resulting conclusions
- literature, the list of used written sources
- the list of illustrations with their sources
- boards, being decreasing of graphic part to A4 format
- photos of model, minimum 2 pieces (maximum 4 pieces), in A4 format
- annexes

Design part, development of 4 drawing boards, 100 x 70 format, containing:
- project of Master Plan with readable list of conventional sign and balance of surface

- views of aboveground and underground storeys with list of premises
- minimum two sections
- facades
- two perspectives showing spatially buildings or complex of buildings
- fragments of view and section dimensioned and described in detail (on scale 1:50)
- architectural detail (on the scale 1:20, 1:10, 1:5)

Student has to develop physical model of building on the scale agreed with the teacher.

Basic bibliography:

Czarnecki W. Planowanie miast o osiedli. PWN. Warszawa. 1965.
Neufert E., Podręcznik projektowania architektoniczno-budowlanego, Arkady, W-wa 1991
Ustawa z dnia 27 marca 2003 r. o planowaniu i zagospodarowaniu przestrzennym,
Dz. U. Nr 80, poz. 717. Warszawa.
Dz.U. Nr 75, 2002, Rozporządzenie Min. Infr. Z 12.04.2002 w sprawie warunków technicznych
Ustawa z dnia 7 lipca 1994 r. Prawo budowlane – tekst ujednolicony z poprawkami

Supplementary bibliography:

Complementary bibliography is selected individually depends on issues of diploma project.

The student workload

Form of activity	Hours	ECTS
Overall expenditure	160	5
Classes requiring an individual contact with teacher	32	1
Practical classes	30	-

Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	0 h
participation in classes/ laboratory classes (projects)	30 h
preparation for classes/ laboratory classes	30 x 4 h = 120 h
preparation to colloquium/final review	0
participation in consultation related to realization of learning process	0h
preparation to the exam (final presentation)	8h
attendance at exam (final presentation)	2h

Overall expenditure of student: **5 ECTS credits** **160 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

30 h + 2 h = **32 h** **1 ECTS credit**