



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Preparation of diploma thesis – 2st cycle

	Course
Field of study	Year/Semester
Architecture	II/3
Area of study (specialization)	Profile of study general academic
Level of study	Course offered in
Second-cycle studies	Polish/English
Form of study	Requirements
full-time	compulsory

	Number		
of hours			
Lecture	Laboratory classes	Other (e.g. online)	
0	0	0	
Tutorials	Projects/seminars		
0	0		
Number of credit points			
15			

Lecturers

Responsible for the course/lecturer:
prof. dr hab. inż. arch. Piotr Marciniak

Responsible for the course/lecturer:
promoters of diploma theses

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Prerequisites

- 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
- 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 the field of study, can interpret the said information and draw conclusions as well as voice and justify opinions,
- student can prepare well-documented elaboration concern issues related to main trends and directions of architecture and urban planning in Polish (and foreign language), which is considered as a



basic for the field of science and scientific disciplines relevant to the field of study being studied,

- 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
- student understands the need for lifelong learning; can inspire and organize process of learning other people,
- 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,

Course objective

- theoretical preparation of student to development of master diploma project, consisting in development of individual topics, discussed in diploma project,
- becomes familiar students with development methodology of master diploma project with descriptive part, preparation of work plan,
- discussion of issues of work originality and consequences of proving plagiarism
- searching the source materials,
- preparation of theoretical chapters of work: support and develop the analytic part of master diploma thesis. Discussion of importance and preparation of analyses: compositional, functional, communication analysis, greenery analysis, view analysis, SWOT analysis, analysis of insolation conditions, historical analysis in relation to location of diploma project,
- implementation of theoretical chapters and design part of work according to guidelines (“Diploma thesis. Methodological guide for students preparing engineering or master diploma thesis”).
- discussion of conclusions from carried out analysis and determine their impact on selection of design solutions,
- determine the supplementary literature related to design issues,

Course-related learning outcomes

Knowledge

D.W1. detailed issues related to architecture and urban planning in the field of solving complex design problems;

D.W2. advanced issues related to architecture and urban planning useful for designing architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activity, integrating the knowledge acquired during studies;



D.W3. principles, solutions, structures, building materials used in the performance of engineering tasks in the field of architectural and urban design;

D.W4. issues related to architecture and urban planning in the context of the multi-sector nature of architectural and urban design and the need to cooperate with other specialists;

D.W5. principles of professional presentation of architectural and urban concepts.

Skills

D.U1. formulate a critical analysis of the existing conditions, valorize the state of land development and buildings and formulate conclusions for design in a complex, interdisciplinary context;

D.U2. design a complex architectural object or urban complex by creating and transforming the space so as to give it new values - in accordance with the adopted program, taking into account non-technical aspects and integrating interdisciplinary knowledge and skills acquired during studies;

D.U3. prepare an advanced graphic, written and oral presentation of your own design concepts in the field of architecture and urban planning, meeting the requirements of a professional record appropriate for architectural and urban design;

D.U4. use analytical methods to formulate and solve design tasks;

D.U5. present the theoretical background and justification of the presented solutions in the form of a scientific study;

D.U6. organize work taking into account all phases of work on the design concept.

Social competences

D.S1. effectively use imagination, intuition, creative attitude and independent thinking in order to solve complex design problems;

D.S2. speak and present publicly;

D.S3. accept criticism of the solutions presented by them and respond to it in a clear and matter-of-fact manner, also using arguments referring to the achievements of the scientific discipline, as well as to use this criticism in a creative and constructive manner;

D.S4. formulate and transfer information and opinions to society on the achievements of architecture and town planning, their complex conditions, and other aspects of the architect's activity; provide an opinion in a commonly understandable manner;

D.S5. properly prioritize activities serving task implementation.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:



Formative assessment: assessment of particular stages of work in the group forum, joint analysis and discussion.

Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

Summative assessment: final grade issued by the promoter for the preparation of the diploma project.

Grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0

Programme content

Presentation of assumptions and results of master diploma thesis; preparation, uttering and preliminary assessment of final presentation of diploma thesis.

Theoretical part, development 80 – 100 pages of A4 text, containing:

- admittance (with introduction and substantiation of topic selection)
- main descriptive part of work consisting of subsequent (3-5) chapters (with subsections) containing among others: presentation of the most important architectural and urban issues, review of achieved knowledge and creativeness in the field of solving task, presentation of ways and methods of problems solving, discussion of results.
- 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 8 drawing boards, 100 x 70 format, containing:

- analyses, sketches, studies of topic
- project of Master Plan with readable legend 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
- architectural detail (on the scale 1:20, 1:10, 1:5)

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

Teaching methods

1. Discussion on the methods of presenting the work during the defense.
2. The problem-based method rooted in the use of various sources of knowledge along with its textual and graphic interpretation.
3. eLearning Moodle (a system supporting the teaching process and distance learning).



Bibliography

Basic

1. Marciniak P., Przewodnik metodyczny dla osób przygotowujących pracę dyplomową inżynierską lub magisterską, Poznań 2016,
http://architektura.put.poznan.pl/n/wpcontent/uploads/2016/05/PRZEWODNIK_WAPP_PRACE-DYPLOMOWE_v8_30112016.pdf.

Additional

1. Ernest D'Alfonso, Denilo Samss, Historia architektury. Formy i style od starożytności do współczesności, Warszawa, 1997.
2. Hugh Honour, John Fleming, World History of Art, Laurence King Publishing, 2009 (7th edition).
3. Praca zbiorowa; Słownik terminologiczny sztuk pięknych; PWN; Warszawa 1996.
4. Mączyński Zdzisław; Elementy i detale architektoniczne w rozwoju historycznym; Arkady; Warszawa 1997 (reprint wydania z 1956 Wydawnictwa Budownictwa i Architektury).
5. Knothe Jan; Sztuka budowania; Nasza Księgarnia; W-wa 1968.
6. Miłobędzki Adam; Zarys dziejów architektury w Polsce; Arkady; Warszawa 1968.
7. Dzieje architektury w Polsce; red. Marcinek J.; Kluszczyński, Kraków 2008.

Breakdown of average student's workload

	Hours	ECTS
Total workload	450	15,0
Classes requiring direct contact with the teacher	70	2,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	380	12,5

¹ delete or add other activities as appropriate