



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma Seminar [S2Arch2>SD]

Course

Field of study
Architecture

Year/Semester
2/3

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

5,00

Coordinators

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Lecturers

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 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, - student is aware of the importance of nontechnical 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

2 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.

Course objective

- 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

Course-related learning outcomes

Knowledge:

Knows and understands detailed issues related to architecture and urban planning in the field of solving complex design problems;
Knows and understands 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;
Knows and understands principles, solutions, structures, building materials used in the performance of engineering tasks in the field of architectural and urban design;
Knows and understands 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;
Knows and understands principles of professional presentation of architectural and urban concepts.

Skills:

Can 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;
Can 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;
Can 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;
Can use analytical methods to formulate and solve design tasks;
Can present the theoretical background and justification of the presented solutions in the form of a scientific study;
Can organize work taking into account all phases of work on the design concept.

Social competences:

Is capable of effectively use imagination, intuition, creative attitude and independent thinking in order to solve complex design problems;
Is capable of speak and present publicly;
Is capable of 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;
Is capable of 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;
Is capable of properly prioritize activities serving task implementation.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:

Obtaining a positive grade from the module depends on the student achieving all the learning outcomes listed in the syllabus.

Conditions for passing the lectures:

Formative assessment:

- Active participation in lectures, engaging in discussions on topics discussed during lectures. Active participation in lectures may be the basis for raising the summative grade for the subject.

Summary assessment:

- Assessment of knowledge of the subject in the form of a test. There are two dates for passing, with the second date being a make-up date. A positive grade (3.0) is obtained after exceeding 50% of correct answers. The result of the pass in points, converted to a percentage scale, corresponds to the following grades:

Percentage thresholds:

Rating 2.0 (insufficient) - 0-50%

Rating 3.0 (sufficient) - 50-60%

Rating 3.5 (sufficient plus) - 60-70%

Rating 4.0 (good) - 70-80%

Rating 4.5 (good plus) - 80-90%

Rating 5.0 (very good) - 90-100% Adopted grading scale: 2.0; 3.0; 3.5; 4.0; 4.5; 5.0.

Exercises:

Formative assessment

Adopted grading scale: 2.0; 3.0; 3.5; 4.0; 4.5; 5.0

The basic condition for passing and the assessment criterion are:

- the degree of originality of the subject matter covered in the diploma project,
- the quality of the development of the theoretical chapters of the work, including the analytical part: compositional, functional, communication analysis, greenery analysis, view analysis, analysis of sunlight conditions, historical analysis, in relation to the location of the diploma project,
- the accuracy of the conclusions drawn from the conducted analyses and their translation into design solutions,
- the quality of the implementation of the design part: the variety of design proposals presented, creative use of innovative construction systems and building materials,
- assessment of the presentation of the engineering diploma thesis prepared by the student

Summary assessment:

the average of the grades obtained for the individual parts (formative grades), an additional condition for obtaining a positive grade is attendance at 2/3 of the classes. The adopted grading scale: 2.0; 3.0; 3.5; 4.0; 4.5; 5.0 Percentage thresholds:

Rating 2.0 (insufficient) - 0-50%

Rating 3.0 (sufficient) - 50-60%

Rating 3.5 (sufficient plus) - 60-70%

Rating 4.0 (good) - 70-80%

Rating 4.5 (good plus) - 80-90%

Rating 5.0 (very good) - 90-100%

Programme content

As part of the Diploma Seminar subject, the student learns how to properly prepare a master's thesis and practices presenting the work to a group of graduates of a given supervisor, and also discusses detailed research and design problems within the selected topic of the thesis.

During lectures, the student gains knowledge on the most important issues related to writing a master's thesis, defense of the thesis and the diploma exam, as well as selected aspects related to entering the job market as an architect. Electiveness - The student chooses the supervisor and the institution where the diploma seminar is conducted. The student chooses the topic of the diploma thesis in consultation with the supervisor.

Course topics

Lectures:

1-2 Methodology of writing a master's thesis.

3. Discussion of examination issues
4. Introduction to business in architecture - discussion of basic forms of employment and formal requirements related to starting a business, company registration (CEIDG, KRS) and choosing the form of taxation, professional insurance and civil liability insurance for architects
5. Construction law and regulations concerning architects, types of contracts, methods of settling design work, registration of industrial designs and trademarks in architectural activity
6. Investment process - stages and the role of the architect, supervision over the implementation of projects, copyright
7. Final test

Exercises:

Presentation of the assumptions and results of the master's thesis; preparation, presentation and preliminary assessment of the final presentation of the thesis. Discussion of the most important research problems in the thesis. Project consultations. During the preparation of the thesis, the Student uses the skills of using advanced computer programs supporting the analytical and design process.

Teaching methods

1. Lecture with multimedia presentation
2. Seminar with multimedia presentation, debate, case study
3. Problem-based method based on the use of various sources of knowledge with its textual and graphical interpretation.
4. ekursy.put.poznan.pl (system supporting the didactic process and distance learning).

Bibliography

Basic:

1. Watkin D., Historia architektury zachodniej, Warszawa 2001
2. Czarnecki W. Planowanie miast o osiedli. PWN. Warszawa. 1965.
3. Neufert E., Podręcznik projektowania architektoniczno-budowlanego, Arkady, W-wa 1991
4. Ustawa z dnia 27 marca 2003 r. o planowaniu i zagospodarowaniu przestrzennym, Dz. U. Nr 80, poz. 717. Warszawa. 6
5. Ustawa z 12 kwietnia 2002 Dz.U. Nr 75, 2002, Rozporządzenie Min. Infr. w sprawie warunków
6. Ustawa z dnia 7 lipca 1994 r. Prawo budowlane - tekst ujednolicony z poprawkami
7. Marciniak P., A. Gawlak A., Świt-Jankowska B., Master's thesis field of study: Architecture Methodological guide for diploma students, Poznan 2023, <https://architektura.put.poznan.pl/sites/default/files/2023-06/przewodnik%20metodyczny%C2%A0dla%20student%C3%B3w%20dyplomowych%20-%20magister%2C%20kierunek%20Architecture%20EN.pdf>

Additional:

1. Creswell J. W., Projektowanie badań naukowych. Metody Jakościowe, ilościowe i mieszane, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2013
2. Niezabitowska E.D. Metody i techniki badawcze w architekturze, Wydawnictwo Politechniki Śląskiej, Gliwice 2014

Supplementary literature selected individually depending on the subject of the diploma project

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,00
Classes requiring direct contact with the teacher	45	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	80	3,00