

<b>Subject name:</b>		<b>ARCHITECTURAL DESIGN 2</b>		
<b>Subject code</b>	<b>Case status</b>	<b>Semester</b>	<b>Number of ECTS credits</b>	<b>Number of lessons (weekly)</b>
PO3AP2	Required	V	8	2P+2V

**Study programs for which it is organized:** Polytechnic, o pste studies

**Eligibility for other subjects:**

**The idea of studying the subject:** The subject consists of 2 modules. In module AP2, work in an architectural bureau is simulated, on an architectural project of a multi-purpose building for public use, up to the level of conceptual solution. The UIA module emphasizes the process of learning from the experience of others.

**Objectives of the course:** After getting acquainted with the design of residential architecture, male/female students encounter for the first time the design of a multi-purpose object of public use on the AP2 module, so the aim of the course as a whole is to become familiar with the methods of designing such objects, now as in the past through the UIA module, and to prepare for the design of public objects of various architectural programs in the future professional life. Considerable attention is paid to the methodology and decision-making process, due to which students are introduced to a wide range of aspects of social responsibility that accompanies the formation of public space, as well as to the values that need to be strived for, taking into account the values of society and the optimal disposal of resources.

**Learning outcomes:**

A student who successfully completes this course will be able to:

1. Independently prepares a conceptual solution of an architectural object for public use according to the project task, through an understanding of the principles, standards and norms for designing school and preschool buildings;
2. Presents an articulated and well-argued position on the quality of school and preschool facilities in the specific context and according to the needs of the users;
3. Recognizes the functional-spatial and contextual values of school and preschool facilities;
4. Understands the roles and social responsibilities of architects in the formation of public space;
5. Create and present projects of school and preschool facilities of various scales and complexity.

**Name and surname of teachers and collaborators on the module:** Dr. Nataša Živaljević-Luxor , Tonja Katnić, Mladen Krekić, Arman Pepeljak, Veljko Vulcanović

**Method of teaching and mastering the material:** lectures, exercises, assignments, quizzes, semester work

**WORK PLAN**

**Sunday:** Name of methodological units for lectures (P), exercises (V) and other teaching content (O); Planned form of knowledge test (Pz)

<b>Preparation week</b>		Getting to know, preparing and enrolling in the semester.
<b>And Sunday</b>	<b>P/V</b>	<b>Lecture 01:</b> Introduction to the topic <b>Exercises:</b> Group visit to the location ;.
II	<b>P/V</b>	<b>Lecture 02:</b> Theoretical introduction to designing <b>Exercises: Task 1</b> - Typological analysis of the object and SWOT analysis of the location
III	<b>P/V</b>	<b>Lecture 03:</b> Theoretical foundations and elements of designing public buildings Part 1 <b>Exercises:</b> Basics;
IV	<b>P/V</b>	<b>Lecture 04:</b> Theoretical foundations and elements of designing public buildings, part 2
V	<b>PZ</b>	<b>First revision</b> - view a. solution variants and b. situation and conceptual design of the selected variant in a scale of 1:1000/1:500
VI	<b>P/V</b>	<b>Lecture 05:</b> Theoretical foundations and elements of designing public buildings, part 3; <b>Task 2; Exercises:</b> Solving the problem of harmonizing form and function;
VII	<b>P/V</b>	<b>Lecture 06:</b> About the art of space creation, <b>part 1; Exercises:</b> Solving the problem of harmonizing form and function;
VIII	<b>P/V</b>	<b>Lecture 07:</b> About the art of creating space <b>2 . part; Guest lecture (online):</b> A world-renowned architect answers questions from design practice
IX	<b>PZ</b>	<b>Second revision</b> – elaboration of the object on a scale of 1:500-1:200;
X	<b>P/V</b>	<b>Lecture 08:</b> Materialization; <b>Task 3; Exercises:</b> Final elaboration of the function and materialization of the object;
XI	<b>P/V</b>	<b>Lecture 09:</b> About creativity; <b>Exercises:</b> Preparation for the final presentation
XII	<b>PZ</b>	<b>Third revision</b> – elaboration of the object on a scale of 1:200-1:50
XIII	<b>P/V</b>	<b>Lecture 10:</b> About light and color; <b>Exercises:</b> landscaping and final arrangement of the location - return to the starting point; use of faculty resources for model making and presentation (3D printing, video projections, exhibition space).
XIV	<b>P/V</b>	<b>Lecture 11:</b> Public space as a place of contact - architecture, city and natural environment; social role and responsibility of the architect; <b>Task 4; Exercises:</b> Preparation for the final presentation
XV	<b>PZ</b>	<b>Lecture 12:</b> Architecture and other arts; <b>Fourth revision; 8-min Quiz:</b> Theoretical foundations, design elements and knowledge of the literature
XVI	<b>PZ</b>	<b>Final exam</b> - defense of semester paper
XVII		<i>Semester verification and grade entry</i>
XVIII		<b>Make-up exam deadline</b>

**Obligations of the student during classes:** lectures, exercises, assignments, quizzes, semester work according to the project assignment

**Consultations by e-mail:** YES

**Student workload**

<b>Sunday</b>	<b>In the semester</b>
6 credits x 40/30 = 8 hours	Total workload for the subject 6x30 = 180 hours
– 2 hours of lectures	Structure:
– 2 hours of practice	Classes and final exam: 8 hours x 16 weeks = 128 hours
of independent work, including consultations .	Necessary preparations before the beginning of the semester (administration, registration, certification): 8hx2=16h
	Additional work for preparing and passing the exam in the remedial period: 0-36 hours

**Literature:**

- Alexander, Christopher (1977) *A Pattern Language*, Oxford University Press, 1,168 pages
- Boulet, Etienne-Louis (1987) *Architecture, Essay on Art*, Construction Book, 265 pages
- Vasari, Giorgio (1550) *Lives of Famous Painters, Sculptors and Architects*, Various Publishers, 600-700 pages
- Frederick, Matthew (2007) *101 Things I Learned in Architecture School*, MIT Press, 175 pages
- Hitchcock, Philip & Johnson, Philip (1932) *International style*, Construction book, 200-250 pages
- Le Corbusier (1923) *Towards a New Architecture*, Dover Publications, 192 pages
- Leonardo da Vinci (1550) *Treatise on painting*, various publishers, 200-300 pages
- Koolhaas, Rem et al. (1995) *SML XL*, The Monacelli Press, 1,280 pages
- Koolhaas, Rem (2018) *Elements of Architecture*, Taschen, 488 pages
- Krier, Rob (1991) *Urban space in theory and practice*, Construction book, 245 pages
- Milenkovic, Branislav (1990) *Introduction to architectural analysis*, Construction book, 145 pages
- Neufert, Ernst (1980) *Architects' Data*, Blackwell Science, 464 pages
- Norberg-Schulz, Christian (1992) *Housing, habitat, urban area, house*, Building book, 315 pages
- Perović, Miloš R. (1999) *History of Modern Architecture, Anthology of Texts*, AF, Belgrade, 540 pages
- Pevsner, Nikolaus (1963) *Pioneers of modern design*, Construction book, 300-350 pages
- Rossi, Aldo (1966) *Architecture of the city*, Construction book, Belgrade, 220-250 pages
- Vitruvius (30-20 BC) *Ten books on architecture*, various publishers, 300 pages
- Jenks, Charles (1973) *Modern movements in architecture*, Construction book, Belgrade, 275-320 pages
- <https://www.pritzkerprize.com/laureates> (2025)

**Forms of knowledge testing and assessment:**

- Total tasks (4x4) 16 points
- Grades from individual audits total (4x4) 16 points
- Quality of the final paper 40 points
- Quality of graphic presentation and oral defense of work 20 points
- Quiz 8 points

The grade formed in this way represents 70% of the final grade, and 30% of the grade is determined by the grade on the UuA module (below)

Rating	A	B	C	D	E
Number of points	90-100	80-89	70-79	60-69	50-59

Module name:		INTRODUCTION TO THE HISTORY OF ARCHITECTURE		
Module code	Case status	Semester	Number of ECTS credits	Number of lessons (weekly)
UIA	Required	V	2	1P

**Study programs for which it is organized:** Polytechnic, General studies

**Eligibility for other subjects:**

**Study idea of the module:** Through the analysis of a selected architectural object from one of the key historical epochs of European/Eurocentric architecture, students become practically familiar with historical research methods used in architecture. They become familiar with the typology of historical architectural buildings of public use, with the rich variety of architectural programs, their stylistic characteristics and construction techniques .. During the semester, each student conducts individual research on a specific topic that he chooses and is approved by the module leader ..

**Course study objectives:** Using the key characteristics of construction in certain eras, and their achievements in the historical, i.e. socio-political context, and parallels - which refer to the evolution/development of certain typological, stylistic or technological paradigms/determinants of architectural design in the mentioned eras, students should improve their understanding of historical architectural objects in their context. The goal is for them to acquire introductory historical knowledge, to familiarize themselves with professional terminology, methods of architectural analysis, and to be able to learn independently from the experience of the best examples of architectural practice.

**Learning outcomes:**

By mastering the lessons provided by this module, students acquire the ability to:

- to independently interpret the typology and stylistic characteristics of the object, i
- understand how certain functional and aesthetic effects are achieved and
- how the buildings were built (they understand and are able to describe the applied construction techniques).

They are also trained to find similarities and differences with other objects, diachronically and synchronically. After such analysis,:

- able to successfully carry out a synthesis and draw consistent and reasoned conclusions regarding the object in question.
- and to express their opinion about it publicly - by enriching their vocabulary with professional terminology, they strengthened themselves for public presentations of their projects and public performances.

**Name and surname of teachers and collaborators:** Dr. Nataša Živaljević-Luxor and Borislav Vukičević

**Method of teaching and mastering the material:** lectures, exercises :, Each student conducts his/her own research, with the mentorship of the module leader. Mentoring involves the application of the interactive teaching model DOCENDO DISCIMUS (teaching, I learn), which involves conversation, exchange of information, arguments, critical views and analysis of conclusions between mentors and students.

**WORK PLAN**

<b>Sunday:</b>	Name of methodological units for lectures (P), exercises (V) and other teaching content (O); Planned form of knowledge test (Pz)	
<b>Preparation week</b>	Getting to know, preparing and enrolling in the semester.	
<b>And Sunday</b>	P/V	<b>Lecture 01:</b> Introduction to the topic; introduction to research under mentor supervision; <b>Exercises:</b> getting to know the steps in writing an essay;
<b>II</b>	P/V	<b>Lecture 02:</b> Introduction to urban morphology; <b>Exercises:</b> Choosing an essay topic;

III	P/V	<b>Lecture 03:</b> The basic urban setting of the city with the most significant architectural achievements - an example of Berlin through the ages; <b>Exercises:</b> Formulation of the research question as a function of the research concept;
IV	P/V	<b>Lecture 04:</b> The topic of urban renewal on the example of European capitals and parallels with Podgorica; <b>Exercises:</b> Beginning of research - concept of research;
V	P/V	<b>Lecture 05:</b> Evolution of architectural programs throughout history; <b>Exercises:</b> topic, research question and research concept.
VI	P/V	<b>Lecture 06:</b> Typology of architectural objects; <b>Exercises:</b> Sources - relevant literature for selected essay topics
VII	P/V	<b>Lecture 07:</b> Typology of indoor/outdoor courtyard through the ages; <b>Exercises:</b> Instructions for making the first revision;
VIII	P/V	<b>Lecture 08:</b> Development of form on the example of baroque churches in Rome; <b>Exercises:</b> Good examples for the first revision and consultation;
IX	PZ	<b>First revision</b>
X	P/V	<b>Lecture 09:</b> Development of style - respectable examples; architectural analysis methods; <b>Exercises:</b> Instructions for preparing the second revision;
XI	P/V	<b>Lecture 10 :</b> Diachronic stylistic analysis - from the Romanesque to the Renaissance in Italy; <b>Exercises:</b> Consultation for the second revision.
XII	P/V	<b>Lecture 11:</b> How to form an essay conclusion; <b>Exercises:</b> Consultation for the second revision.
XIII	P/V	<b>Lecture 12:</b> Good examples for the second revision; <b>Exercises:</b> Last consultation before the second revision.
XIV	PZ	<b>Second revision</b>
XV	P/V	Recapitulation of work on the module.
XVI	PZ	<b>Exam - final essay revision</b>
XVII		<i>Certification of the semester - submission of grades on the module to the head of the course</i>
XVIII		<b>Make-up exam deadline</b>

**Obligations of the student during classes:** Lectures, exercises, writing essays

**Consultations by e-mail:** YES

**Student workload**

<p><b>Sunday</b> 2 credits x 40/30 = 2 hours 40 minutes (total weekly workload <b>Structure:</b> 1 hour of lecture 1 hour and 40 minutes of independent work, including consultation.</p>	<p><b>In the semester</b> Total workload for the course 2x30 = 60h <b>Structure:</b> Classes and final exam: 2h40min x 9 weeks = 24h Necessary preparations before the beginning of the semester (administration, registration, certification): 2h40minx2=5h20min Supplementary work for preparing and passing the exam in the remedial period: 0-30h</p>
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**Literature:**

- Primary and secondary historical sources according to the chosen topic of the essay
- [https://hwpi.harvard.edu/files/hwp/files/bg\\_writing\\_history.pdf](https://hwpi.harvard.edu/files/hwp/files/bg_writing_history.pdf) (2007 , last accessed 2025)
- Jabłońska, J.; Telesińska, M.; Adamska, A.; Gronostajska, J. The Architectural Typology of Contemporary Façades for Public Buildings in the European Context. *Arts* 2022 , 11 , 11. <https://doi.org/10.3390/arts11010011>
- El Moussaoui, M. Architectural Typology and Its Influence on Authentic Living. *Buildings* 2024 , 14 , 754. <https://doi.org/10.3390/buildings14030754>

**Forms of knowledge testing and assessment:**

During the semester, two revisions are scheduled and both must be positively evaluated. The grade on the module represents 30% of the total grade on the course.

<b>Rating</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<b>Number of points</b>	<b>90-100</b>	<b>80-89</b>	<b>70-79</b>	<b>60-69</b>	<b>50-59</b>