

Course/studio syllabi

1. Data on the study programme

1.1 Institution	Technical University of Cluj-Napoca
1.2 Faculty	of Architecture and Urban Planning
1.3 Department	Architecture
1.4 Domain	Architecture
1.5 University level	Licence and master's degree
1.6 Study programme/Qualification	Architecture
1.7 Form of studies	IF – on-site full-time studies
1.8 Course / studio code	10.00

2. Data on the course

2.1 Name of the course	PERSPECTIVE				
2.2 Course/ Studio Head	assist. prof. PhD arch. Dana Sorina OPINCARIU <i>Dana.Opincariu@arch.utcluj.ro</i>				
2.3 Head of seminary/ laboratory/ studio	assist. prof. PhD arch. Dana Sorina OPINCARIU assist.PhD arch. Alina Elena Voinea				
2.4 Study year	1	2.5 Semester	2	2.6 Type of evaluation	Exam
2.7 Course /studio regime	Formative category: fundamental (DF)/ linked to the domain (DD)/ specific (DS)/ complementary (DC)				DF
	Compulsory (DI)/ Optional/ (DOp)/ Voluntary (DFac)				DI

3. Total estimated time

3.1 Number of hours/week	3	out of which:	3.2 Course	2	3.3 Seminary	1	3.3 Laboratory	0	3.3 Project	0
3.4 Number of hours/semester	42	out of which:	3.5 Course	28	3.6 Seminary	14	3.6 Laboratory	0	3.6 Project	0
3.7 Distribution of time (hours)/ semester for:										
(a) Individual study supported by course textbook, course text, bibliography, and notes										11
(b) Supplementary study in the library, online, and on site										5
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										15
(d) Tutoring										
(e) Examination										2
(f) Other activities										
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))					33					
3.9 Total semestrial hours (3.4+3.8)					75					
3.10 Number of credits					3					

4. Preconditions (where applicable)

4.1 curriculum preconditions	-
4.2 competence preconditions	-

5. Conditions (where applicable)

5.1. for the course	Conditions of attendance at the course: according to HCFAU 2/14.07.2022
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	In accordance with ECTS/UTCN Regulation, art. 6.4, the FAU Council decides that at least 50% of students attend classes. Students who do not meet 50% of attendance cannot take the subject assessment and will have to recontract it. Step by step drawing of construction methods, sketching and writing on the sketchbook. The sketchbook made during the course is mandatory.
5.2. for the seminary	Conditions of attendance at the seminar: attendance is mandatory at least 80% according to the <i>Regulation on professional activity of students using the ECTS system – Art.6.4. & Art.6.5.</i> The works are carried out in compliance with the data required by the themes, based on the notions taught in the course. All assignments for papers are mandatory.

6. Specific competencies

Professional competencies	By going through the discipline, students acquire knowledge, skills and competences in the following groups, according to GD 469/2015: <i>a) the ability to design architectural projects that meet both aesthetic and technical requirements;</i> <i>adequate knowledge of the history and theories of architecture and related arts, technologies and humanities;</i> <i>c) knowledge of fine arts as factors that can influence the quality of project design;</i> <i>Architectural;</i> <i>(e) the ability to understand the relationship between people and architectural creations, on the one hand, and architectural creations and their environment, on the other, and the ability to understand the need to harmonize architectural creations and spaces according to human needs and scale;</i> <i>(h) knowledge of structural design and construction and engineering problems associated with building design;</i>
Transversal competencies	<ul style="list-style-type: none"> - initiation in perceiving and representing an architectural space - developing the sense of observation and sensitivity to a space built through drawing; - initiation in the search for bibliographic sources <p>initiation in search of an expressive and personalized way to communicate through drawing</p>

7. Objectives of the discipline (based on the grid of specific competences acquired)

7.1 General objective of the discipline	<ol style="list-style-type: none"> 1.Acquiring knowledge of visual communication through: Perception (P) Representation (R) and Visual Communication (C), the technique of constructing perspective and the role of Perspective in representing the Architecture project. 2. The ability to create architectural projects that satisfy aesthetic criteria in addition to technical requirements and a specific professional culture in the field of representation in architectural projects 3. Adequate knowledge in related visual arts, knowledge of specific methods of constructing the architectural image in perspective and knowledge of fine arts as influencing factors on the quality of architectural design. 4.Approaching the principles of visual communication in the representation of architectural projects. 5.Communication skills and visual presentation of concepts through the
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	way presentation boards are written.
7.2 Specific objectives	<p>1.Knowledge of the principles and techniques of visual communication specific to the field of architecture.</p> <p>2.Knowledge of the evolution of the history of representation, elements of visual perception and artistic perception (reality and drawing).</p> <p>3. Using tools of aesthetic expression in architectural representation.</p>

8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes
<p>1. Introduction – Perception (P), Representation (R), Communication (C) Defining the concepts underlying perception, representation and communication as successive stages in the project design process</p>	2	<p>Exposure and presentation Images Drawings Construction perspective step by step</p>	
<p>2. The Art of Perspective The study of perspective – introductory notions in the field of Perspective, projection systems, classifications of Perspective, geometric mechanism of Perspective</p>	2		
<p>3. Brunelleschi's method of perspective construction Representation of perspective on vertical painting, elements of descriptive geometry in perspective, Construction method -step by step</p>	2		
<p>4. Dependent perspective on vertical board - General principles and methods of construction FF90 /OP, -step by step</p>	2		
<p>5. Dependent perspective on vertical table- Construction methods OF, FP, FM– step by step</p>	2		
<p>6. Free perspective on vertical board – Principii Perspective divisions -Division of lines and planes, use of perspective divisions in architectural drawing</p>	2		
<p>7. Free methods of perspective construction - drawing, step by step Square construction, circle construction Cube construction, sphere construction Methods of constructing restitution perspectives Increase perspective directly in the painting</p>	2		
<p>8. History of Perspective Representation Definitions, treatises and specialized historical theories, Perspective in the evolution of artistic representation, Perspective in the evolution of architecture Understanding visual image, subjective phenomena of vision, perception of geometry of architectural forms, anamorphosis, illusions, optical corrections</p>	2		

9. Photography itself perspective Photography technique Architectural photography as a working tool Photographer architects Principles of composition in photography	2		
10. Atmospheric outlook in development Rendering the depth of space by: Light and shadow gradation, Representation of textures, color and ambient elements in presenting the architectural perspective	2		
11. Shadows and perspective – step drawing by step Set shadows in perspective Classification of shadows according to the light source and its position relative to the object	2		
12. Presentation of the Architectural Perspective Pagination and array limitation Increase perspective directly in the painting Rendering depth Negative effects in perspective Choice and location of the entourage	2		
13. The Art of Scenography - The Language of Visual Communication Visual dialogue, exteriorization, explicit and implicit, direct and indirect suggestion, symbolism of line, shape and space, plastic expression in scenography space	2		
14. Synthesis course	2		
NOTE: the permanent actualization of the course matter might lead to minor changes in its structure			
Bibliography :			
Titles in the UTCN Library:			
<ul style="list-style-type: none"> • Arnheim Rudolf, <i>Arta si perceptia vizuala</i> , Polirom-1974, 2004, 2011 [cota 1 : 541.240, 1 exemplar] • Ching D.K.Francis, <i>Design Drawing</i> , John Wiley& Sons , USA 1998 [cota 1 : 563.384, 1 exemplar] • Dumitrescu Zamfir , <i>Ars Perspectivae</i> , Bucuresti , 2002 [cota 1 : 513.968, 1 exemplar] 			
Other titles :			
<ul style="list-style-type: none"> • Dumitrescu Cristian, <i>Perspectiva</i> , Timisoara , 2002 • Dumitrescu Zamfir , <i>Caiete de perspectiva</i>, Bucuresti /2002 • Ionescu Iulius , <i>Perspectiva-Instrument de proiectare</i>, Editura Universitara Ion Mincu-EUIM /2009 			
8.2 Seminary / laboratory / project	No. of hours	Teaching methods	Notes
Applications in drawing of knowledge acquired during the course on certain given topics	14 hours	Guidance on works	The content and timetable of the discipline will be the same, both for the On Site and On Line situation.
Bibliography			
Dumitrescu Cristian , <i>Perspectiva</i> , Timisoara, 2002			
Ionescu Iulius , <i>Perspectiva-Instrument de proiectare</i> , Editura Universitara Ion Mincu-EUIM , 2009			

9. Harmonizing the content of the discipline with the expectations of the epistemic community, the professional associations, and representative employers

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| <p>1. Acquiring graphic representation skills for presentation in Architecture projects.
 2. Using graphical communication tools during the design stages of the project
 Architecture</p> |
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10. Assessment

Type of activity	10.1 Evaluation criteria	10.2 Assessment method	10.3 Calculation of final grade
	Theoretical information and realization of drawings built in perspective on the sketchbook	Drawings and theoretical subjects - sketchbook handed in at the exam	4 Points
10.5 Seminary/Laboratory	Realization of papers with given themes based on the notions learned in the course.	Evaluation of the works made and handed in at the exam	6 points
10.6 Minimal standard for passing			
<ul style="list-style-type: none"> a grade of minimum 5 			

Date :	Head of course	Title, Name, Surname	Signature
14.09.2023	Course	Assist.prof.PhD.arch. Dana OPINCARIU	
	Seminary/Lab	Assist.prof.PhD.arch. Dana OPINCARIU	

Date of validation by the Department Council:	Chief of Department Prof. PhD. arch. Virgil POP

Data of approval in the Faculty Council:	Dean Associate professor. PhD. arch. Dragoş Şerban Ion ȚIGĂNAŞ
