

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	14.00

2. Data on the course

2.1 Name of the course	ARCHITECTURE DESIGN STUDIO 1		
2.2 Course/ Studio Head	assist. prof. PhD arch. Dana Sorina OPINCARIU		
2.3 Head of seminary/ laboratory/ studio	assist. prof. PhD arch. Dana Sorina OPINCARIU Dana.Opincariu@arch.utcluj.ro Collective: lecturer PhD arch. Laura Patachi, assist. PhD arch. Alina Voinea, assist. PhD arch. Marius Păsculescu, assist. arch. PhDc. Verona Musteata, PhD arch. Silviu Borș, arch. PhDc. Adrian Niculaș, arch. PhDc. Marius Indrei		
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)		DS
	Compulsory (DI)/ Optional/ (DOp)/ Voluntary (DFac)		DI

3. Total estimated time

3.1 Number of hours/week	11	out of which:	3.2 Course	2	3.3 Seminary	1	3.3 Laboratory	0	3.3 Project	9
3.4 Number of hours/semester	154	out of which:	3.5 Course	28	3.6 Seminary	14	3.6 Laboratory	0	3.6 Project	126
3.7 Distribution of time (hours)/ semester for:										
(a) Individual study supported by course textbook, course text, bibliography, and notes										50
(b) Supplementary study in the library, online, and on site										50
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										60
(d) Tutoring										
(e) Examination										11
(f) Other activities										
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))					171					
3.9 Total semestrial hours (3.4+3.8)					325					
3.10 Number of credits					13					

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 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. The written test is mandatory.
5.2. for the seminary	Attendance is mandatory – a percentage of absences of maximum 20% is allowed. The condition applies to both on-site and on-line activity. The conditions for teaching and for completing the projects, indicated in the themes are mandatory.

6. Specific competencies

Professional competencies	<p>By going through the discipline, students acquire knowledge, skills and competences in the following groups, according to GD 469/2015:</p> <p><i>a) the ability to design architectural projects that meet both aesthetic and technical requirements;</i></p> <p><i>adequate knowledge of the history and theories of architecture and related arts, technologies and humanities;</i></p> <p><i>c) knowledge of fine arts as factors that can influence the quality of project design; Architectural;</i></p> <p><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></p> <p><i>(h) knowledge of structural design and construction and engineering problems associated with building design;</i></p>
Transversal competencies	<ol style="list-style-type: none"> 1. analysing the interaction between the architectural object and the context 2. designing a minimal home 3. discovering human ergonomics 4. practicing graphic language in representing an architectural object

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

7.1 General objective of the discipline	<ul style="list-style-type: none"> • Initiating students in architectural language
7.2 Specific objectives	<ul style="list-style-type: none"> • Understanding the spatial configuration and functionality of a dwelling house • Deciphering the language of representation in the architectural project • Practicing polychrome graphic language in writing comic pieces • analysing the interaction between an architectural object and context • Practicing the construction of the architectural model

8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes		
8.1 Course – Introduction to architectural design – housing – general aspects					
8.2 Course-Stages of designing a home-					
8.3 Course – Methods of analyzing a given topic (interpreting theme data, analyzing the site, observing, understanding the particularities of a theme)					
8.3 Course- Stages of thinking and designing a housing project					
8.4 Course- The relationship of the natural environment of the site with the built environment - house					
8.5 The relationship of the built environment human body (ergonomics) – movement, proportion, ambience					
8.6 Course – Design of forms – Architectural composition					
8.7 Course- Architecture of ambiances - extrados and intrados					
8.8 Course – Basic principles in interior space design – ergonomics, anthropometry		Teaching methods: presentation with pictures, examples, and explanatory sketches on the board	Remarks: The course will take place before the design classes and will use notions related to the specifics of the project		
8.9 Course - Ambience and comfort in relation to the specifics of the architectural project					
8.10 Specific representation in the architectural project (dimensions, drawn pieces, drawing scale, detail, etc.)					
8.10 Expressive representation in the architectural project (how to use graphic and composition skills to highlight the concept, pagination, composition of the pieces drawn in the poster, legibility, clarity, accuracy, etc.)					
8.11 Technical aspects related to the architectural elements involved in the construction of a minimal dwelling (materials, functional technical elements, necessary equipment, etc.)					
8.12 Plastic aspects (chromatic, compositional) architectural styles in contemporary architectural language					
NOTE: the permanent actualization of the course matter might lead to minor changes in its structure	2 hours /week				
<p>Bibliography :</p> <p>Minimal bibliography - titles in the UTCN Library:</p> <ul style="list-style-type: none"> • Bahamon, Alejandro, ed. <i>Houses / Casas / Häuser</i>. Barcelona: Könemann, 2005 [cota 1:517.479, 1 copy] • Barreneche, Raul. <i>Modern House Three</i>. London: Phaidon, 2006 [cota 1:520.549, 1 copy] • Broto, Carles. <i>Architectural design. Houses</i>. Barcelona: Monsa, 1999 [cota 1:501.023, 1 copy] • Broto, Carles. <i>Architectural design. New Country Houses</i>. Barcelona: Monsa, 2001 [cota 1:501.032, 1 copy] • Chueca, Pilar. <i>Urban Houses</i>. Barcelona: Links, 2008 [cota 1:531.013, 1 copy] • Corcuera, Antonio, ed. <i>Contemporary Houses</i>. Barcelona: Könemann, 2006 [cota 1:520.539, 1 copy] • Ionescu, Florin și Valentin Năstase. <i>Proiectarea Mobilei și Arhitectura Interioarelor</i>. București: Editura 					

Didactică și Pedagogică, 1970 [cota 5:160.936, 5 copies]

- Melhuish, Clare. *Modern House 2*. London: Phaidon, 2004 [cota 1:520.548, 1 copy]
- Neufert. *Manualul Arhitectului: Elemente de proiectare și de construcție*. Miercurea Ciuc: Alutus, 2004 [cota 1:537.936, 1 copy]
- Patrulius, Radu. *Locuința în timp și spațiu*. București: Editura Tehnică, 1975 [cota 5:207.400, 5 copies]
- Schleifer, Simone, ed. *Family Houses*. Koln: Evergreen, 2005 [cota 1:520.544, 1 copy]
- Schmitz-Günther, Thomas, ed. *Living Spaces: Sustainable Building and Design*. Köln: Könemann, 1998 [cota 1:497.551, 1 copy]

On-line sources :

www.archdaily.com

www.dezeen.com

www.contemporist.com

8.2 Seminary / laboratory / project	No. of hours	Teaching methods	Notes
<p>Experimental housing for students – the project of a minimal dwelling Project implementation stages (documentation – solution development – architectural project realization) – According to <i>The Design Theme</i></p>	<p>9 hours/ week</p>	<p>ON SITE-According to the schedule in the workshop Observatory building, 3rd floor. ON-LINE- According to the schedule on TEAMS. Presentations, documentation, discussions, corrections with guidance during workshop hours.</p>	<p>2 tutors / group. 2 students in the team The project stages will take place according to the theme.</p>

Bibliography :

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

Initiation into the specifics of architectural language, architectural project, specificity of representation in architectural drawing.

10. Assessment

Type of activity	10.1 Evaluation criteria	10.2 Assessment method	10.3 Calculation of final grade
10.5 Seminary/ Laboratory	<ul style="list-style-type: none"> ● Teaching conditions – going through and completing the stages in the order proposed by the theme is mandatory for handing over the final project. ● active participation in the design workshop; ● seriousness and rigor in project development; ● correctness in rendering the elements required by the theme; ● graphic quality of drawn pieces; ● accuracy of drawings and layouts; ● originality and creativity in interpretation, presentation and representation; 	<p>Written test from the notions taught in the course according to the date in the topic</p> <p>Delivery of the project on the date indicated by the theme</p>	According to data from the design theme
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
14.07.2023	Course and 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