

Specialised Design – Urbanization 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	Urbanism and Technical Sciences
1.4 Domain	Urban Planning
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	41.00

2. Data on the course

2.1 Name of the course	SPECIALISED DESIGN - URBANIZATION				
2.2 Course/ Studio Head	-				
2.3 Head of seminary/ laboratory/ studio	Lecturer PhD. arch. Silivan Valentin MOLDOVAN Teaching staff: Professor PhD. arch. Adrian IANCU, Associated professor PhD. arch. Andreea MILEA, Teaching Assistant. PhD. arch. Alice OPRICĂ, PhD candidate arch. Rodica CODOREANU, PhD candidate arch. Alexandra VANCEA PhD candidate arch. Alexandru BOLASZ PhD candidate arch. Marius INDREI				
2.4 Study year	3	2.5 Semester	1	2.6 Type of evaluation	Test
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	3	out of which:	3.2 Course	0	3.3 Seminary	0	3.3 Laboratory	0	3.3 Project	3
3.4 Number of hours/semester	42	out of which:	3.5 Course	0	3.6 Seminary	0	3.6 Laboratory	0	3.6 Project	42
3.7 Distribution of time (hours)/ semester for:										
(a) Individual study supported by course textbook, course text, bibliography, and notes										6
(b) Supplementary study in the library, online, and on site										6
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										18
(d) Tutoring										-
(e) Examination										3
(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	-
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4.2 competence preconditions	The skills acquired through the completion of fundamental courses in: <i>Environmental Elements, Urban Evolution, Fundamentals of Urban Planning</i> , prepare a foundation for the easier development of the design theme within the studio.
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5. Conditions (where applicable)

5.1. for the course	On site, in the allocated classroom (according to the faculty schedule). Attendance is a condition for examination. See also „10. Assessment method”.
5.2. for the seminary	-

6. Specific competencies

	<ul style="list-style-type: none"> • Acquisition of the knowledge, skills, abilities, and competencies necessary for an architect whose professional activity is exercised in the field of urban planning. • Familiarization through the project with the methods, conventions, and regulatory acts involved in designing residential areas at the level of PUZ (Zonal Urban Planning): <ul style="list-style-type: none"> - On-site documentation, analysis of collected data, and compilation of the diagnosis of the existing situation of a residential area fragment (potential residential), at scales 1:2000, 1:1000, using the standardized representation system. - Development of the urban planning project for a residential area at differentiated scales: 1:2000 – 1:500. - Referring to the current regulatory framework for urban planning and applying it within the project. - Familiarization with the roles of various actors involved in the development of an urban planning project.
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7. Objectives of the discipline

7.1 General objective of the discipline	<ul style="list-style-type: none"> • Understanding of the relationship between people and buildings, and between buildings and their environment, and of the need to relate buildings and the spaces between them to human needs and scale. • Ability to create architectural designs that satisfy both aesthetic and technical requirements.
7.2 Specific objectives	<ul style="list-style-type: none"> • Adequate knowledge of urban design, planning and the skills involved in the planning process. • Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors. • Understanding of the structural design, construction and engineering problems associated with building design. • Design skills necessary to meet building users’ requirements within the constraints imposed by cost factors and building regulations. • Understanding of professional and disciplinary responsibilities toward human, social, cultural, urban, architectural, and environmental values as well as architectural heritage --including the health, safety, and welfare of the public; and the physiological and psychological aspects of public health and well-being. These responsibilities also include a commitment to equity, diversity,

	and inclusivity in both the content and the context of architectural instruction.
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8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes
-	-	-	-
Bibliography:			
8.2 Seminary / laboratory / project	No. of hours	Teaching methods	Notes
First Briefing / presentation	3	Site visit, presentations, analyses, and case studies, corrections on the boards developed by students.	The schedule of deliveries, the duration of stages, and their complexity are elements that will be defined by the project brief, presented in the first session of the discipline.
Site visit	3		
First phase – Analysis	3		
Concepts, Analysis discussions, first masterplan draft	3		
Masterplan development	15		
Masterplan final proposal	6		
Urban design details	6		
Final presentation	3		
Bibliography: Cluj-Napoca Masterplan (P.U.G.)– available online			
Other titles: <i>Ghid privind metodologia de elaborare și conținutul cadru al planului urbanistic zonal</i> , MLPAT, București, 2000. <i>Legislație privind urbanismul</i> , Matrix Rom, București, 2005. Colecția de reviste de specialitate din biblioteca FAU și UTCN. Bell, Simon, <i>Elements of Visual Design in the Landscape</i> , Spon Press, London and New York, 2004. English Partnerships and the Housing Corporation, <i>Urban Design Compendium</i> , Volumele 1 și 2, 2007. Mangin D., Panerai Ph., <i>Projet urbain</i> , Ed. Parenthesès, Marseilles 1999. Ministerul Lucrărilor Publice și Amenajării Teritoriului, <i>Ghid privind reglementarea dezvoltării urbane prin operațiuni de parcelare și reparcelare a terenurilor introduse în intravilan</i> , iunie 2002. Mozas, Javier, <i>Density: new collective housing</i> , a+t Ediciones, 2006. O’rourke, Juliana ed., <i>Place Making. Celebrating Quality and Innovation in Urban Design</i> , RUDI (Resource for Urban Design Information) și Academy of Urbanism, London, 2009.			

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

The competencies achieved across the course contribute to the consolidation of the professional culture necessary for the profession and to the integrated use of theory and practice.
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10. Assessment

Type of activity	10.1 Evaluation criteria	10.2 Assessment method	10.3 Calculation of final grade
10.4 Course			
10.5 Seminary/Laboratory	-	-	1 point by default
	Relevance and quality of individual study	throughout the semester and during the final presentation of the project (consisting of	3 points
	Involvement during the course		4 points

	Relevance and quality of answers	written pieces, drawn pieces, and their presentation), in all phases and intermediate submissions specified by the design brief.	2 points
Calculus of the final grade: as a sum of the points obtained through the evaluation methods described above.			
According to the ECTS/UTCN Regulations, attending the studio is compulsory (100%). The situation of attendance will be updated weekly on the Teams channel dedicated to the course. Students who have not attended 100% (with a possibility of recovering up to 2 sessions during the semester and another 2 sessions during the recovery and re-evaluation period) will not be able to participate in the final evaluation and will need to recontract the studio.			
10.6 Minimal standard for passing			
• a grade of minimum 5			

Date :	Head of course	Title, Name, Surname	Signature
14.07.2023	Course	-	
	Seminary/Lab	Lecturer PhD. arch. Silivan Valentin MOLDOVAN <i>Teaching staff:</i> Professor PhD. arch. Adrian IANCU, Associated professor PhD. arch. Andreea MILEA, Teaching Assistant. PhD. arch. Alice OPRICĂ, PhD candidate arch. Rodica CODOREANU, PhD candidate arch. Alexandra VANCEA PhD candidate arch. Alexandru BOLASZ PhD candidate arch. Marius INDREI	

Date of validation by the Department Council: _____	Chief of Department Associate professor. PhD. arch. Vlad Sebastian RUSU
Data of approval in the Faculty Council: _____	Dean Associate professor. PhD. arch. Dragoş Şerban Ion ȚIGĂNAŞ