

Fundamentals of Urban Design Course 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	30.00

2. Data on the course

2.1 Name of the course	FUNDAMENTALS OF URBAN DESIGN				
2.2 Course/ Studio Head	Lecturer Silivan Valentin MOLDOVAN				
2.3 Head of seminary/ laboratory/ studio	-				
2.4 Study year	2	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)			DU	
	Compulsory (DI)/ Optional/ (DOP)/ Voluntary (DFac)			DI	

3. Total estimated time

3.1 Number of hours/week	2	out of which:	3.2 Course	2	3.3 Seminary	0	3.3 Laboratory	0	3.3 Project	0
3.4 Number of hours/semester	28	out of which:	3.5 Course	28	3.6 Seminary	0	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										7
(b) Supplementary study in the library, online, and on site										7
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										4
(d) Tutoring										2
(e) Examination										2
(f) Other activities										-
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))					22					
3.9 Total semestrial hours (3.4+3.8)					50					
3.10 Number of credits					2					

4. Preconditions (where applicable)

4.1 curriculum preconditions	-
4.2 competence preconditions	Competences and knowledge acquired in fundamental courses such as: <i>Environmental Aspects of Urban Planning</i> and <i>Urban Morphology</i> may constitute a basis for a good understanding of notions and information discussed in the present course.

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"> Professional communication. Understanding primary elements and rules of urban composition. Acquiring graphic representation methods and using them in future projects. Acquires the general culture necessary for the practice of the architect and urban planner professions. Possesses a technical specialized vocabulary. Has knowledge for understanding an urban plan. Has knowledge related to drafting a specific urban plan. Understands how the components of human settlements relate to each other and to the context. Analyzes specific elements of the urban context and can identify solutions for the placement of buildings on a site.
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7. Objectives of the discipline

7.1 General objective of the discipline	<ul style="list-style-type: none"> Design skills necessary to meet building users' requirements within the constraints imposed by cost factors and building regulations. 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 methods of investigation and preparation of the brief for a design project. Understanding of the structural design, construction and engineering problems associated with building design. Adequate knowledge of the industries, organizations, regulations, and procedures involved in translating design concepts into buildings and integrating plans into overall planning. Knowledge of the means of achieving ecologically responsible design, environmental conservation, and rehabilitation, with a focus on relevant aspects of the 17 United Nations Sustainable Development Goals

8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes
C1 Introductory Course, presentation of the discipline, general concepts.	2	Lectures supported by projections, Discussions on the reader of the course and presentations.	Students are encouraged to engage in talks throughout the course
C2 Territory, cadastral, land division – legal regime.	2		
C3 Circulation.	2		
C4 Route, street profile, parking.	2		
C5 Intersections, public squares.	2		

C6 Planted open spaces.	2		and to present the stage of their individual study.
C7 Recapitulation and exercises.	2		
C8 Used graphic elements.	2		
C9 Urban facilities and functions.	2		
C10 Land use indicators, zoning, regulations, territorial balance.	2		
C11 Site plan.	2		
C12 Building placement on the plot.	2		
C13 Urban aesthetics.	2		
C14 Recapitulation and exercises.	2		
NOTE: the permanent actualization of the course matter might lead to minor changes in its structure			
<p>Bibliography : Gehl, J.; - <i>Cities for people</i>, Washington, DC ; Covelo, CA ; London : Island Press, 2010 cotă 537.889 (1 exemplar) Lăzărescu, C.; – <i>Urbanismul în România</i>, Editura tehnică, București, 1977 cotă 241.874 (42 exemplare)</p> <p>Other Titles: Biddulph, M.; - <i>Introduction to Residential Layout</i>, Elsevier, Oxford, 2007 Black, P.; Sonbil, T., E.; - <i>The Urban Design Process – Concise guides to planning</i>, Lund Humphries, London, 2019 Chițulescu, G.; – <i>Urbanism</i>, Editura de stat didactică și pedagogică, București, 1959 Davidescu, I., A.; – <i>Noțiuni de urbanism, Curs predat la Școala Politehnică Carol al II-lea, publicat în 1937</i>, Biblioteca Urbanismul serie nouă, București, 2013 Gehl, J.; - <i>Orașe pentru oameni</i>, Igloo media, București, 2012 Ghițulescu, G.; Sandu, A.; Derer, P.; – <i>Sistematizare, Manual pentru licee industriale cu profil de construcții anii IV și V, și școli de specializare postliceală</i>, Editura didactică și pedagogică, București, 1977 Laurian, R.; - <i>Urbanismul</i>, Editura Tehnică, București, 1965 Madanipour, A.; - <i>Public and Private Spaces of the City</i>, Routledge, New York, 2003 Neufert, E.; Neufert, P. – <i>Architects’ Data, Fifth Edition</i>, Wiley Blackwell Ltd, Oxford, UK, 2019 UN-HABITAT – <i>Streets as public spaces and drivers of Urban prosperity</i>, UN-Habitat, Nairobi, 2013 Urban Design Alliance; Llewelyn-Davies; Alan Baxter & Associates; - <i>Urban Design Compendium, English Partnerships / The Housing Corporation / Llewelyn-Davies</i>, London, 2007</p>			
8.2 Seminary / laboratory / project	No. of hours	Teaching methods	Notes
-	-	-	-
Bibliography			

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.

10. Assessment

Type pf activity	10.1 Evaluation criteria	10.2 Assessment method	10.3 Calculation of final grade
10.4 Course	-	-	1 point by default

	<ul style="list-style-type: none"> - Relevance to the subject, - Quality of the response, - Synthesis ability, - Illustrative examples, <p>Accuracy of graphic representation.</p>	<ul style="list-style-type: none"> - Written exam with multiple topics (including a synthesis one) and a practical exercise. - Points for optional practical exercises at the end of certain courses. - Points for the individual study work. 	<p>9 points</p> <p>The grading is done separately for the theoretical part and the practical exercise, with a weight of 50% - 50%. The grade for each can be equivalent to the score obtained in the optional individual study work, respectively, half of the score obtained for the practical exercises. Each of the two grades includes 1 official point, and, respectively, 0.5 official points for the final grade.</p>
<p>Calculus of the final grade: as a sum of the points obtained through the evaluation methods described above.</p>			
<p>According to the ECTS/UTCN Regulations, art. 6.4, the Faculty Council has decided that attending courses is compulsory in a percentage of at least 50%. The situation of attendance will be updated weekly on the Teams channel dedicated to the course.</p> <p>Students who have not attended 50% of the courses will not be able to participate in the final exam and will need to recontract the course.</p>			
10.5 Seminary/Laboratory	-	-	-
<p>10.6 Minimal standard for passing</p> <ul style="list-style-type: none"> • a grade of minimum 5 			

Date :	Head of course	Title, Name, Surname	Signature
14.07.2023	Course	Lecturer. PhD. arch. Silivan Valentin MOLDOVAN	
	Seminary/Lab	-	-

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