

## 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	<b>Urban planning and technical sciences</b>
1.4 Domain	<b>Architecture</b>
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	<b>63.00</b>

### 2. Data on the course

2.1 Name of the course	<b>DESIGN SYNTHESIS STUDIO 2</b>				
2.2 Course/ Studio Head	-				
2.3 Head of seminary/ laboratory/ studio	Associate professor Octav Silviu Olănescu, Arch. PhD				
2.4 Study year	<b>4</b>	2.5 Semester	<b>2</b>	2.6 Type of evaluation	<b>Colloquy</b>
2.7 Course /studio regime	Formative category: fundamental (DF)/ linked to the domain (DD)/ specific (DS)/ complementary (DC)				<b>DS</b>
	Compulsory (DI)/ Optional/ (DOP)/ Voluntary (DFac)				<b>DI</b>

### 3. Total estimated time

3.1 Number of hours/week	<b>12</b>	out of which:	3.2 Course	<b>0</b>	3.3 Seminary	0	3.3 Laboratory	0	3.3 Project	12
3.4 Number of hours/semester	168	out of which:	3.5 Course	0	3.6 Seminary	0	3.6 Laboratory	0	3.6 Project	168
3.7 Distribution of time (hours)/ semester for:										
(a) Individual study supported by course textbook, course text, bibliography, and notes										10
(b) Supplementary study in the library, online, and on site										50
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										87
(d) Tutoring										0
(e) Examination										10
(f) Other activities										-
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))					<b>157</b>					
3.9 Total semestrial hours (3.4+3.8)					<b>325</b>					
3.10 Number of credits					<b>13</b>					

### 4. Preconditions (where applicable)

4.1 curriculum preconditions	-
4.2 competence preconditions	Competences and knowledge acquired through the courses and projects of study years 1, 2 and 3 can constitute a fundamental basis for the realization of complex architecture projects..

### 5. Conditions (where applicable)

5.1. for the course	-
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5.2. for the PROJECT	<p>Attendance and performance of project-type educational activities are mandatory and condition admission to the final evaluation form of the discipline.</p> <p>The REGULATION REGARDING THE PROFESSIONAL ACTIVITY OF STUDENTS USING THE ECTS SYSTEM will be observed (Art. 6.4 and Art. 6.5)</p> <p>The student's presence at the design activities is taken into account when the student attends the subject's classes.</p> <p>Attendance will not be conditioned by other didactic activities supported during the design hours.</p>
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## 6. Specific competencies

	<ul style="list-style-type: none"> <li>• Ability to engage imagination, think creatively, innovate and provide design leadership.</li> <li>• Ability to gather information, define problems, apply analyses and critical judgement, and formulate strategies for action.</li> <li>• Ability to think three-dimensionally in the exploration of design.</li> <li>• Ability to reconcile divergent factors, integrate knowledge and apply skills in the creation of a design solution.</li> </ul> <p>Ability to act with knowledge of natural systems and built environments.</p> <ul style="list-style-type: none"> <li>• Understanding of conservation and waste management issues.</li> <li>• Understanding of the life cycle of materials, issues of ecological sustainability, environmental impact, design for reduced use of energy, as well as passive systems and their management.</li> <li>• Understanding of design procedures and processes.</li> <li>• Knowledge of design precedents and architectural criticism.</li> <li>• Ability to work effectively across scales</li> <li>• Ability to work in collaboration with other architects and members of interdisciplinary teams.</li> <li>• Ability to act and to communicate ideas through collaboration, speaking, numeracy, writing, drawing, modelling and evaluation.</li> <li>• Ability to utilise manual, electronic, digital, graphic and model making capabilities to explore, develop, define and communicate a design proposal.</li> </ul>
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## 7. Objectives of the discipline

7.1 General objective of the discipline	<ul style="list-style-type: none"> <li>• Ability to create architectural designs that satisfy both aesthetic and technical requirements.</li> </ul>
7.2 Specific objectives	<ul style="list-style-type: none"> <li>• Adequate knowledge of urban design, planning and the skills involved in the planning process.</li> <li>• 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.</li> <li>• Adequate knowledge of physical problems and technologies and of the function of buildings so as to provide them with internal conditions of comfort and protection against the climate.</li> <li>• Ability to demonstrate a creative competence in building techniques, founded on a comprehensive understanding of the disciplines and construction methods related to architecture.</li> </ul>

## 8. Content/Syllabi

8.1 Course		No. of hours	Teaching methods	Notes
8.2 Seminary / laboratory / project	No. of hours	Teaching methods		Notes
Project	168	Exposure, applications, individual corrections, collective corrections, evaluation with public support of the projects		-
<b>Bibliography</b> LĂZĂRESCU, Cezar, <i>Construcții hoteliere</i> (București, Editura Tehnică, 1971) 167.011 NEUFERT, Ernst, <i>Architects' data</i> (Oxford: Blackwell Science, 2000) 505.442 VAIS, Gheorghe, <i>Programe de arhitectură</i> (Editura UTCN, Cluj-Napoca, 1998) 490.848				

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

Students acquire the necessary skills and knowledge in the responsible exercise of the profession of architect, become familiar with the collective work process, practice the verbal and graphic expression of their own concepts and attitudes, become aware of the role and responsibility they acquire as the coordinator of some projects complex.

## 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	According to the design theme and the Regulations for the discipline Synthesis of design year IV	Oral presentation of the project (consisting of written and drawn pieces), in its various intermediate and final phases.	1p+9
10.6 Minimal standard for passing			
<ul style="list-style-type: none"> <li>a grade of minimum 5</li> </ul>			

Date :	Head of course	Title, Name, Surname	Signature
14.07.2023	Course		
	Seminary/Lab	Associate professor Octav Silviu Olănescu, Arch. PhD	

Date of validation by the Department Council:

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Chief of Department  
Associate professor Vlad Sebastian Rusu,  
Arch. PhD

Data of approval in the Faculty Council:

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Dean  
Associate professor Dragoș Șerban Ion  
Țigănaș, Arch. PhD