

Design in Architecture 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	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	49.30

2. Data on the course

2.1 Name of the course	DESIGN IN ARCHITECTURE				
2.2 Course/ Studio Head	Lecturer PhD. arch. Silivan Valentin MOLDOVAN				
2.3 Head of seminary/ laboratory/ studio	-				
2.4 Study year	4	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)				DA

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										10
(b) Supplementary study in the library, online, and on site										5
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										5
(d) Tutoring										0
(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	<i>Competences and knowledge acquired in fundamental courses such as: History of contemporary architecture may constitute a basis for a good understanding of notions and information discussed in the present course.</i>

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"> • Understanding the quality and complex value of a product or a set of products. • Understanding the need for collaboration between architecture and other related disciplines. • Understanding space as a composition of elements perceived objectively and subjectively. • Increased attention to the detailed design in the conception of architecture, urban planning, or landscaping objects and compositions. • Acquiring specific theoretical knowledge in the field of design and planning. • Assimilating theoretical knowledge regarding the evolution and main theories in the field of design. • The ability to recognize design elements that can enhance the design process specific to architectural training.
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7. Objectives of the discipline

7.1 General objective of the discipline	<ul style="list-style-type: none"> • Ability to create architectural designs that satisfy both aesthetic and technical requirements. • Knowledge of the fine arts as an influence on the quality of architectural design. • 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.
7.2 Specific objectives	<ul style="list-style-type: none"> • Adequate knowledge of the history and theories of architecture and the related arts, technologies, and human sciences. • 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. • Adequate knowledge of the industries, organisations, regulations, and procedures involved in translating design concepts into buildings and integrating plans into overall planning. • 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. • 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 (Reference:https://sdgs.un.org/goals).

8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes
C1 INTRODUCTORY CONCEPTS - issues, techno sphere, and technical foundation.	2	Lectures supported by projections, Discussions on the reader of the course and presentations.	Students are encouraged to engage in talks throughout the course and to present the stage of their individual study.
C2 HISTORY OF DESIGN – pioneers of Design and Modern Architecture.	2		
C3 URBAN DESIGN AND THE SURROUNDING ENVIRONMENT.	2		
C4 ARCHITECTURE AND ARCHITECTURAL SPACE – treated as a design object.	2		
C5 ARCHITECTURAL DESIGN THROUGH DETAILS – furniture, carpentry, stairs as a sculptural element, access, etc.	2		
C6 FUNDAMENTALS OF PERCEPTION – function vs. form.	2		
C7 CREATOLOGY, psychoanalytic theories of creativity stimulation.	2		
C8 STAGES OF THE CREATIVE PROCESS.	2		
C9 SEMIOTICS AND MORPHOLOGY.	2		
C10 THE ROLE OF TECHNOLOGY IN THE EVOLUTION OF DESIGN.	2		
C11 INFLUENCE OF MARKETING AND MARKET STUDY ON DESIGN.	2		
C12 ADVERTISING AND GRAPHIC DESIGN.	2		
C13 BRAND, VISUAL IDENTITY, STYLISTIC UNITY, AND THEIR ROLE IN ARCHITECTURAL SPACE PERCEPTION.	2		
C14 Final Evaluation	2		
NOTE: the permanent actualization of the course matter might lead to minor changes in its structure			
<p>Bibliography : Romulus Zamfir, Mircea Moldovan, - <i>Introducere in design</i>, Editura U.T.PRES, Cluj-Napoca, 2002, ISBN 973-8335-68-X cotă 510.181 (7 exemplare) Popescu Dorel, - <i>Principiile formei în product design</i> Editura U.T.PRES, Cluj-Napoca, 2007, ISBN 978-973-662-312-7 cotă 658.512.2/P81 (2 exemplare)</p> <p>Other titles: Dabner David, - <i>Design grafic. Principiile si practica designului grafic</i>, Rao Books, București, 2006, ISBN 973-717-042-3 Arnheim Rudolf, - <i>Arta și percepția vizuală, o psihologie a văzului creator</i>, Editura Polirom, București, 2011, ISBN: 978-973-46-1978-8 Herbert A. Simon - <i>The Science of Design: Creating the Artificial</i>, Design Issues Vol. 4, No. 1/2, Designing the Immaterial Society (1988), pp. 67-82 Tony Fry, - <i>Design Beyond the Limits</i>, 2011 Victor Margolin, - <i>The Politics of the Artificial: Essays on Design and Design Studies</i>, University of Chicago Press, Chicago, USA, 2002, ISBN-13: 978-0226505046 Abraham A. Moles, - <i>The crisis of functionalism</i>, Ulm 19/20, 1968</p>			

<p>Maurizio Vitta, - <i>The Meaning of Design</i>, Design Issues, Vol. 2, No. 2 (1985), pp. 3-8</p> <p>Tim Parsons, - <i>Thinking: Objects, Contemporary Approaches to Product Design</i> (AVA Academia Advanced), July 2009, ISBN 978-2940373741</p> <p>Kees Dorst - <i>Designing for the Common Good</i>, BIS Publishers, 2016, ISBN 978-90-6369-408-1</p> <p>Michael Schulze, - <i>concept and concept of the work. The sculptural design in architectural education</i>, Zurich vdf, Hochschulverlag AG at the ETH Zurich, 2013, ISBN 978-3-7281-3481-3</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, Accuracy of graphic representation.	<ul style="list-style-type: none"> - Written test with multiple topics (including a synthesis one). - Points for optional additional activities, accumulated throughout the semester, contribute to the final grade. If a minimum of 7 points has been accumulated during the semester, this provides the possibility of receiving the grade without the final evaluation, with the grade being formed by the sum of accumulated points + the official point (minimum 7+1=8). 	9 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, 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. 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.		
10.5 Seminary/Laboratory	-	-	-

10.6 Minimal standard for passing

- 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	-	-

Date of validation by the Department Council:

Chief of Department
Professor PhD. arch. Virgil POP

Data of approval in the Faculty Council:

Dean
Associate professor. PhD. arch. Dragoş
Şerban Ion ȚIGĂNAŞ