

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	47.00

Commented [ST1]: Se va alege dintre 'architecture' si 'urban planning'

Commented [ST2]: Se va completa cu codul disciplinei

2. Data on the course

2.1 Name of the course	FURNITURE DESIGN TECHNIQUES		
2.2 Course/ Studio Head	Lecturer PhD Arch. Andreea POP Associate professor PhD Arch. Dorina VLAD		
2.3 Head of seminary/ laboratory/ studio	Lecturer PhD Arch. Andreea POP		
2.4 Study year	3	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)		DID
	Compulsory (DI)/ Optional/ (DOp)/ Voluntary (DFac)		DI

Commented [ST3]: Se va completa cu prenumele si numele titularului precedat de titlul academic:
- asistent pentru asistent
- lectorer pentru sef de lucrari
- asistent profesor pentru conferentiar
- profesor pentru profesor

Commented [ST4]: Se va alege dintre exam/ oral exam (colloquy) / test (corespunzatoare pentru examen/colocviu/verificare)

3. Total estimated time

3.1 Number of hours/week	3	out of which:	3.2 Course	2	3.3 Seminary	0	3.3 Laboratory	1	3.3 Project	0
3.4 Number of hours/semester	42	out of which:	3.5 Course	28	3.6 Seminary	0	3.6 Laboratory	14	3.6 Project	0
3.7 Distribution of time (hours)/ semester for:										
(a) Individual study supported by course textbook, course text, bibliography, and notes										12
(b) Supplementary study in the library, online, and on site										8
(c) Preparation for seminars/ laboratories/ assignments, reports, portfolios, and essays										10
(d) Tutoring										1
(e) Examination										2
(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	-
4.2 competence preconditions	Minimal knowledge related to design and building elements, materials used in construction and furniture construction, details, and usual anthropometric data.

5. Conditions (where applicable)

5.1. for the course	Course attendance conditions: according to HCFAU 2/14.07.2022 In accordance with the ECTS/UTCN Regulation, art. 6.4, the FAU Council decides that 50% attendance of students in classes is
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	mandatory. Students who do not meet 50% of the attendance will not be able to participate in the final exam and will need to recontract the discipline.
5.2. for the seminary	Laboratory attendance conditions: attendance is mandatory according to ECTS regulations – see <i>Regulation on the professional activity of students using the ECTS system</i> - Art.6.4. & Art. 6.5.

6. Specific competencies

	<p>By completing the discipline, students acquire knowledge, skills, and competences in the following groups, according to HG 469/2015:</p> <p><i>a) Ability to create architectural designs that satisfy both aesthetic and technical requirements.</i></p> <p><i>b) Adequate knowledge of the history and theories of architecture and the related arts, technologies, and human sciences.</i></p> <p><i>c) Knowledge of the fine arts as an influence on the quality of architectural design.</i></p> <p><i>e) 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.</i></p> <ul style="list-style-type: none"> • Knowledge of basic notions related to furniture designing and building. Understanding the logical elements and connections that underlie the design of a product – the concept, the dimensions related to existing anthropometric data, the building technique, and materials. • Development of technical abilities. • Understanding the correlations between the human being, the objects for use and the surrounding environment.
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7. Objectives of the discipline

7.1 General objective of the discipline	The ability to understand and apply knowledge of anthropometric relationships, materials, structures - constructive details and aesthetic criteria in the process of furniture designing.
7.2 Specific objectives	<ul style="list-style-type: none"> • Understanding the functional types of furniture, according to different activities. • Understanding the reflection of materials, of constructive details and finishing techniques in furniture designing. • Enhancing materials and specific techniques knowledge by following the documentary materials in the bibliography.

8. Content/Syllabi

8.1 Course	No. of hours	Teaching methods	Notes
1. Introduction course – general notions.	2	Lectures supported by visual projections, discussions based on examples.	
2,3. Anthropometry data and ergonomics in furniture design.	4		
4-6. The structure and construction of furniture - production technologies, assembly types, specific details.	6		
7. Wood material - general characteristics - part I	2		
8. Wood material - engineered wood products, new materials - part II	2		

9-12. Furniture classification criteria, types of furniture (general notions, dimensions, ergonomics, functions, construction systems) • Furniture for storing objects • Furniture for supporting the human body • Furniture for resting and sleeping • Furniture for different activities	8		
13. Furniture made of other materials (plastics, metal, glass, textiles, paper, composite materials)	2		
14. Variable theme* / Synthesis course	2		
<p>Bibliography : * a synthesis is sent to students in electronic format – it includes a selection-synthesis of the information from the recommended bibliography of the course. VLAD, Dorina, MOȚU, Andreea, <i>Mobilier. Tehnica mobilei: note de curs (trans. Furniture Design Techniques)</i>, Ed.UTPRESS, Cluj-Napoca, 2020 [5 : 562.981] GIBBS, Nick, <i>The Wood Handbook</i>, Ed.Quarto, Londra, 2005 [1 : 516.190] PANERO, Julius, ZELNIK, Martin, <i>Las dimensiones humanas en los espacios interiors. Estándares antropométricos</i>, 7th ed., Ed. G. Gili, Barcelona, 1996 (sent to students in electronic format)</p> <p>*other recommended titles in the TUC-N Library: Col. Autori, <i>Material World 2 – Innovative Materials for Architecture and Design</i>, Ed. Birkhauser, Basel, 2006 [1 : 522.006] FIELL, Charlotte, FIELL, Peter, <i>Design of the 20th century</i>, Ed. Taschen, Köln, 2002 [1 : 509.340] BYARS, Mel, <i>New Chairs</i>, Chronicle Books, San Francisco 2006 LAWSON, Stuart, <i>Furniture design. An introduction to development, materials and manufacturing</i>, Laurence King Publishing Ltd, Londra, 2013 WILK, Christopher, <i>Plywood. A Material Story</i>, Ed.Thames & Hudson/Victoria and Albert Museum, Londra, 2017 WALKER, Aidan – <i>Wood Identifier</i>, Apple Press, 2006</p> <p><i>Specialized design and furniture magazines, specific Internet sites, manufacturers' online furniture catalogues.</i></p>			
8.2 Seminary / laboratory / project	No. of hours	Teaching methods	Notes
Practical exercises based on the theoretical course, with a specific given theme (the number and topic – to be discussed at the beginning of the course)	14	Discussions based on student's sketches and drawings	
Bibliography <i>The course Bibliography.</i>			

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

The competencies and skills acquired by following this course contribute to the consolidation of the professional culture necessary for an architect.

10. Assessment

Type of activity	10.1 Evaluation criteria	10.2 Assessment method	10.3 Calculation of final grade
10.4 Course	Correctness and quality of answers	Written examination: with topics discussed during the course.	The Exam grade = 10 points (1 point by default)

10.5 Seminary/Laboratory	Correctness, quality, and complexity of the drawings (according to the assignments); the overall graphic presentation.	Practical exercises – Drawings of specific topics	The Practical exercises grade = 10 points (1 point by default) The final grade = 50 % The Exam grade & 50 % The Practical exercises grade
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10.6 Minimal standard for passing

- a grade of minimum 5 points at the written examination and minimum 5 point for the practical exercises

Date :	Head of course	Title, Name, Surname	Signature
30.06.2023	Course	Lecturer PhD Arch. Andreea POP Associate professor PhD Arch. Dorina VLAD	
	Seminary/Lab	Lecturer PhD Arch. Andreea POP	

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 ȚIGĂNAȘ