

SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Civil Engineering
1.3	Department	Civil Engineering and Management
1.4	Field of study	Civil Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Civil Engineering
1.7	Form of education	Full time
1.8	Subject code	42.10

2. Data about the subject

2.1	Subject name				Aesthetics of Buildings						
2.2	Subject area				Architecture, Aesthetics						
2.3	Course responsible/lecturer				Ș.I.dr.arh. MOLDOVAN Ioana– ioana.muresanu@ccm.utcluj.ro						
2.4	Teachers in charge of seminars				Ș.I.dr.arh. MOLDOVAN Ioana– ioana.muresanu@ccm.utcluj.ro						
2.5	Year of study	III	2.6	Semester	I	2.7	Assessment	C	2.8	Subject category	DOP

3. Estimated total time

3.1	Number of hours per week	2	3.2	of which, course:	1	3.3	applications:	1
3.4	Total hours in the curriculum	52	3.5	of which, course:	14	3.6	applications:	14
Individual study								hours
Manual, lecture material and notes, bibliography								6
Supplementary study in the library, online and in the field								4
Preparation for seminars/laboratory works, homework, reports, portfolios, essays								10
Tutoring								1
Exams and tests								3
Other activities								N/A
3.7	Total hours of individual study	24						
3.8	Total hours per semester	52						
3.9	Number of credit points	2						

4. Pre-requisites (where appropriate)

4.1	Curriculum	N/A
4.2	Competence	N/A

5. Requirements (where appropriate)

5.1	For the course	N/A
5.2	For the applications	N/A

6. Specific competences

Professional competences	<p>Recognition of the elements and structures of civil engineering constructions specific to the graduate study program.</p> <p>Recognizing and understanding of the basic concepts, theories and methods of the field and area of specialization; their proper use in professional communication.</p> <p>Use of basic knowledge for explaining and interpreting various types of concepts, situations, projects, associated with the field of study.</p> <p>Explanation of the constructive composition of the different categories of civil, industrial and agricultural constructions.</p> <p>Assessment of the quality of a civil, industrial and agricultural construction using evaluation criteria specific to the field of study.</p>
Cross competences	<p>Awareness of the need for lifelong learning; efficient use of learning resources and techniques for personal and professional development.</p> <p>Documentation in Romanian and in a foreign language, for professional and personal development, through continuous training and efficient adaptation to new technical specifications.</p>

7. Discipline objectives (as results from the *key competences gained*)

7.1	General objective	Recognizing and understanding of the basic concepts, theories and methods of the field and area of specialization; their proper use in professional communication.
7.2	Specific objectives	<p>Assessing the quality of a civil, industrial and agricultural construction using field-specific evaluation criteria.</p> <p>Assimilating the terminology and the basic standards of the aesthetics of constructions, as well as some of the recent evolutions of this discipline.</p>

8. Contents

8.1. Lecture (syllabus)	Teaching methods	Notes
1. INTRODUCTION. Object and problems. The built space and human needs.	Lecture	Video-projector
2. DEFINITIONS of aesthetics. Aesthetic CATEGORIES. Aesthetic CONCEPTS in buildings. The REPRESENTATIVE FUNCTION of buildings and constructions.		
3. ARCHITECTURAL COMPOSITION. Design. Perception – function vs. form.		
4. ARCHITECTURAL COMPOSITION. Point, line, surface, volume.		
5. SPACE QUALITIES. indoor spaces; outdoor space; path; perspective. Proportion, order register, balance, dominant and subordinate elements; the scale of buildings and registers. Geometric reports and transformations		

6. AESTHETICAL MANIFESTATIONS OF THE XX + CENTURY IN CONSTRUCTIONS.		
Design (positive/negative/neutral impact) interactive lecture		
Bibliography ACTAR - The Metapolis Dictionary of Advanced Architecture – City, Technology and Society in the Informational age – 2001 GROYS Boris - Despre nou. Eseu de economie culturala, Idea Design & Print, Editura, 2003; KOOLHAS Rem & all – S, M, L, XL, 1995 MATEI Adriana - Identitate culturala locala, Editura UT Press, Cluj-Napoca, 2004 VENTURI Robert - Complexity and Contradiction in Architecture, The Museum of Modern Art Press, New York 1966 VIRILIO Paolo, Spatiul critic - Idea Design&Print, Editura KIERANS Keneth, “Beyond Deconstruction”, www.mun.ca/animus/1997vol2/kierans1.htm		
8.2. Applications/Seminars	Teaching methods	Notes
Study groups: Exercise of imagination –Invisible Cities, Italo Calvino	Guidance and verification	Video-projector
Study groups: Analysis of a number of 4 (four) representative pieces of architecture from the world and from the country and presenting them within the application hours - presentation.		
Study groups and individual studies:		
Bibliography: ACTAR - The Metapolis Dictionary of Advanced Architecture – City, Technology and Society in the Informational age – 2001 Italo calvino – Orasele invizibile, Ed. ALL, ISBN: 9789737243379 Fabio Femino - Il futuro visto dal passato http://www.fabiofeminofantascience.org/RETROFUTURE/RETROFUTURE1.html		

9. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

The course provides an initial basis, needed to strengthen the relationship between engineer - other specializations in the field (especially engineer - architect), as well as general knowledge and specialized language.

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade
10.4 Course	Written test (WT)	Written Test – 2h	67%
10.5 Applications	Evaluation of the activities performed during the working hours (A).	Presentation and justification of the studies	33%
10.6 Minimum standard of performance			
WT ≥ 5 ŞI A ≥ 5			

Date of filling in: 28.09.2019		Title Surname Name	Signature
	Lecturer	Ş.I.dr.arh. MOLDOVAN Ioana	
	Applications	Ş.I.dr.arh. MOLDOVAN Ioana	

Date of approval in the department Date of approval in the faculty 	Head of department Conf.dr.ing. Claudiu ACIU Dean Conf.dr.ing. Nicolae CHIRA
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