

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	Constructii civile si management
1.4	Field of study	Civil Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Civil, Industrial and Agricultural Buildings /Engineer (English language)
1.7	Form of education	Full time
1.8	Subject code	51.1

2. Data about the subject

2.1	Subject name				Estetica constructiilor						
2.2	Course responsible/lecturer				Conf.Dr.Arh. Moldovan Ioana Madalina-Ioana.MURESANU@ccm.utcluj.ro						
2.3	Teachers in charge of seminars				Conf.Dr.Arh. Moldovan Ioana Madalina-Ioana.MURESANU@ccm.utcluj.ro						
2.4	Year of study	3	2.5	Semester	2	2.6	Assessment	C	2.7	Subject category	DS/DO

3. Estimated total time

3.1	Number of hours per week	2	3.2	of which, course:	1	3.3	applications:	
3.4	Total hours in the curriculum	28	3.5	of which, course:	14	3.6	applications:	
Individual study								hours
Manual, lecture material and notes, bibliography								5
Supplementary study in the library, online and in the field								3
Preparation for seminars/laboratory works, homework, reports, portfolios, essays								10
Tutoring								1
Exams and tests								3
Other activities								0
3.7	Total hours of individual study		22					
3.8	Total hours per semester		50					
3.9	Number of credit points		2					

4. Pre-requisites (where appropriate)

4.1	Curriculum	Curriculum
4.2	Competence	Competence

5. Requirements (where appropriate)

5.1	For the course	For the course
5.2	For the applications	For the applications

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	General objective
7.2	Specific objectives	Specific objectives

8. Contents

8.1. Lecture (syllabus)	Teaching methods	Notes
1. INTRODUCTION. Object and problems. The built space and human needs.	-	-
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		
<p>Bibliography</p> <p>ACTAR - The Metapolis Dictionary of Advanced Architecture – City, Technology and Society in the Informational age – 2001</p> <p>GROYS Boris - Despre nou. Eseu de economie culturala, Idea Design & Print, Editura, 2003; KOOLHAS Rem & all – S, M, L, XL, 1995</p> <p>MATEI Adriana - Identitate culturala locala, Editura UT Press, Cluj-Napoca, 2004</p> <p>VENTURI Robert - Complexity and Contradiction in Architecture, The Museum of Modern Art Press, New York 1966</p> <p>VIRILIO Paolo, Spatiul critic - Idea Design&Print, Editura</p>		

KIERANS Keneth, “Beyond Deconstruction”, www.mun.ca/animus/1997vol2/kierans1.htm		
8.2. Applications/Seminars		
Individual study: Built space perception exercise. Analysis of a number of two examples of architecture and their presentation during the application - presentation.		
Study groups: Research exercise of the built/imagined space – Imagined constructions, futuristic constructions, utopian projects, constructions and cities imagined in anticipatory cinema, dystopias - presentation.		
Study groups: Built space analysis exercise - Compositional analysis of a contemporary construction - presentation.		
Bibliography: ACTAR - The Metapolis Dictionary of Advanced Architecture – City, Technology and Society in the Informational age – 2001 Italo calvino – Orosele invizibile, Ed. ALL, ISBN: 9789737243379 Fabio Femino - Il futuro visto dal passato http://www.fabiofeminofantascience.org/RETROFUTURE/RETROFUTURE1.html		
Bibliography		
8.2. Applications/Seminars	Teaching methods	Notes
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Bibliography		

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	Written Test
10.5 Applications	Evaluation of the activities performed during the working hours (A).	Presentation and justification of the studies	Presentation and justification of the studies
10.6 Minimum standard of performance			
WT ≥ 5 and A ≥ 5			

Date of filling in:		Title Surname Name	Signature
	Lecturer	Conf.Dr.Arh. Moldovan Ioana Madalina	
	Teachers in charge of application	Conf.Dr.Arh. Moldovan Ioana Madalina	

Date of approval in the department	Head of department conf.dr.ing. Caludiu ACIU
20/06/2025	
Date of approval in the faculty	Dean prof.dr.ing Daniela MANEA
25/06/2025	