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	Civile Engineering
1.7	Form of education	Full time
1.8	Subject code	16.00

2. Data about the subject

2.1	2.1 Subject name				Elements of Architecture and Urban Planning		
2.2 Subject area			Architecture, Buildings, Urbanism				
2.3	3 Course responsible/lecturer			Ş.l.dr.arh. MOLDOVAN Ioana- ioana.muresanu@ccm.utcluj.ro			
2.4 Teachers in charge of seminars					N/A		
2.5 Year of study I 2.6 Semester II 2			2.7 Assessment	С	2.8 Subject category	DD/DI	

3. Estimated total time

3.1 Nu	Imber of hours per week	1	3.2 of w	hich, course:	1	3.3 applications:	0
3.4 To	tal hours in the curriculum	50	3.5 of w	hich, course:	14	3.6 applications:	0
Indivi	Individual study						hours
Manu	ual, lecture material and notes,	bibliogr	aphy				28
Supplementary study in the library, online and in the field						7	
Preparation for seminars/laboratory works, homework, reports, portfolios, essays						0	
Tutoring						0	
Exams and tests					1		
Other activities N/						N/A	
3.7	Total hours of individual study	y	36				

5.7	rotar noars of marriadal study	50
3.8	Total hours per semester	50
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

		Recognition of the elements and structures of civil engineering constructions specific to the
		recognition of the elements and structures of elvir engineering constructions specific to the
		graduate study program.
		Recognizing and understanding of the basic concepts, theories and methods of the field and area
		of specialization; their proper use in professional communication.
la	ces	Identification of the structural and functional role of the elements of an industrial and
sior	tenc	agricultural civil construction.
ofes	npe	Use of basic knowledge for explaining and interpreting various types of concepts, situations,
Pro	con	projects, associated with the field of study.
		Explanation of the constructive composition of the different categories of civil, industrial and
		agricultural constructions.
		Assessment of the quality of a civil, industrial and agricultural construction using evaluation
		criteria specific to the field of study.
	S	Awareness of the need for lifelong learning; efficient use of learning resources and techniques
6	nce	for personal and professional development.
ros	oete	Documentation in Romanian and in a foreign language, for professional and personal
0	dmc	development, through continuous training and efficient adaptation to new technical
	S	specifications.

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

		Development of competences in the field of constructions, both
7.1	General objective	from an engineering and architectural point of view, in support
		of professional training.
		The assimilation of theoretical knowledge regarding the
	Specific objectives	evolution of constructions and cities throughout history, as well
7.2		as structural and architectural innovations.
		The ability to recognize the architectural and structural
		elements, as well as their role in a construction.

8. Contents

8.1. Lecture (syllabus)	Teaching methods	Notes
1. INTRODUCTION IN ARCHITECTURE AND URBAN PLANNING.		
Object and problems.		
2. PREHISTORY AND EARLY HISTORY. ANTIQUITY AND EARLY		
CRISTIANITY. (Ex. structures: Pantheon – Rome, Hagia Sofia –		
Istanbul).		
3. ROMANESQUE (Ex. structures: Tower of Pisa). GOTHIC (Ex.		
structures: pointed arch, buttress, flying buttress, ribbed vaults,		
perpendicular vaults, fan vaults). RENAISSANCE (Ex. structures:		
Dome of Florence).		
4. BAROQUE (Ex.: Dynamism in art and architecture, Urban		
planning – Paris; Ex. structure: Dôme des Invalides - Paris).		

NEOCLASSICISM (Ex. structure: Sfs. Paul – London). 19TH						
CENTURY (Ex. structures: Eiffel Tower- Paris)						
20TH CENTURY, BEFORE 1945 (Ex. structures: skyscrapers).						
ARCHITECTURE AFTER 1945 (Ex. structures: Sydney Opera House,						
WTC Towers – New York).						
EVOLUTION OF CITIES						
Bibliography						
In UTC-N library						
1. IANCU Adrian - Elemente de arhitectura si urbanism, Ed. U.T.Press. ISBN 973-8335-26-4	, Cluj-Napoca, 2002,					
2.MELVIN Jeremyisme: să întelegem stilurile arhitecturale, Ed. RA	D. Bucuresti, 2006,					
ISBN 973-717-075-0						
3. LAZARESCU Cezar - Arhitectura și viața orașelor, București, 1996,	ISBN 973-31-0651-8					
4. VOITEC-DORDEA Mira - Renaștere, Baroc și Rococo în arhitectura	<i>universală,</i> Bucureșt	i, 1994,				
ISBN 973-30-2932-7,						
5. TALU D.L. Stefan - Stiluri arhitecturale, Cluj-Napoca, 2009,ISBN 97	8-973-1868-72-1.					
In other libraries						
1.TACHEN - Architectural Theory . From Renaissance to the Present,	Köln, 2006, ISBN 3-8	228-5085-3,				
2. BORDEN Daniel - Arhitectura - o istorie vizuală, Ed. Litera Internaț	ional, 2009,					
ISBN 978-973-675-464-7,	les Deels Londro 200					
3.GLANCEY JONATNAN – The Story of Architecture, Ed. Doming Kinders	Slež BOOK, Londra 200	JU,				
ISBN 978-U-7515-4001-1, A The Phaiden Atlas of Contemporary World Architecture Ed Phaid	on Press Londra 20	04				
4. The Phalaon Alias of Contemporary World Architecture, Ed. Filad	on Press, Lonura, 20	04,				
5 Phaidon Atlas of 21st Century World Architecture. Ed. Phaidon Pre	ess Londra, 2008 ISB	N				
072071/2/27/7	5. FINING ATTAC STATE CETTURY WORK ATCHILECTURE, EU. FININGON FLESS, LONGIA, 2008 ISBN					
5760714040747						
9.2 Applications/Cominars	Toophing mothodo	Notoc				
	reaching methods	Notes				
N/A						
Bibliography: N/A						

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	Answers for 30 questions (questions and quiz questions)	Written Test – 30-40min	100%			
10.5 Applications	N/A	N/A	N/A			
10.6 Minimum standard of performance						
Correct answer for 12 out of 30 questions						

Date of filling in:		Title Surname Name	Signature
28.09.2019	Lecturer	Ş.l.dr.arh. MOLDOVAN Ioana	
Date of approval in t	he department	Head of department	
		Conf.dr.ing. Claudiu ACI	J
Data of an annual in t	h a fa an liter	Deer	
Date of approval in t	ne faculty	Dean Conf.dr.ing. Nicolae CHII	RA