

SYLLABUS ¹

1. Information about the program

1.1 Higher education institution	Politehnica University Timișoara
1.2 Faculty ² / Department ³	Faculty of Civil Engineering/ CCI - Department of Civil Engineering and Building Services Engineering, CMMC - Department of Steel Structures and Structural Mechanics
1.3 Chair	—
1.4 Field of study (name/code ⁴)	Civil engineering/80
1.5 Study cycle	Bachelor
1.6 Study program (name/code/qualification)	Civil engineering (in English)/ 10/ Engineer

2. Information about the discipline

2.1 Name of discipline/ formative category ⁵	General civil engineering course/ DD						
2.2 Coordinator (holder) of course activities	Prof. dr. ing. DAN Daniel, As. Dr. ing. CHESOAN Adriana						
2.3 Coordinator (holder) of applied activities ⁶							
2.4 Year of study ⁷	I	2.5 Semester	2	2.6 Type of evaluation	C	2.7 Type of discipline ⁸	DI

3. Total estimated time – hours / semester: direct teaching activities (fully assisted or partly assisted) and individual training activities (unassisted) ⁹

3.1 Number of fully assisted hours / week	1 of which:	3.2 course	1	3.3 seminar / laboratory / project	
3.1* Total number of fully assisted hours / semester	14 of which:	3.2* course	14	3.3* seminar / laboratory / project	
3.4 Number of hours partially assisted / week	of which:	3.5 training		3.6 hours for diploma project elaboration	
3.4* Total number of hours partially assisted / semester	of which:	3.5* training		3.6* hours for diploma project elaboration	
3.7 Number of hours of unassisted activities / week	0.5 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			0.5
		hours of individual study after manual, course support, bibliography and notes			
		training seminars / laboratories, homework and papers, portfolios and essays			
3.7* Number of hours of unassisted activities / semester	7 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			7
		hours of individual study after manual, course support, bibliography and notes			
		training seminars / laboratories, homework and papers, portfolios and essays			
3.8 Total hours / week ¹⁰	1.5				
3.8* Total hours /semester	21				
3.9 Number of credits	2				

4. Prerequisites (where applicable)

4.1 Curriculum	• none
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¹ The form corresponds to the Discipline File promoted by OMECTS 5703 / 18.12.2011 and to the requirements of the ARACIS Specific Standards valid from 01.10.2017.

² The name of the faculty which manages the educational curriculum to which the discipline belongs

³ The name of the department entrusted with the discipline, and to which the course coordinator/holder belongs.

⁴ The code provided in HG no.140 / 16.03.2017 or similar HGs updated annually shall be entered.

⁵ Discipline falls under the educational curriculum in one of the following formative disciplines: Basic Discipline (DF), Domain Discipline (DD), Specialist Discipline (DS) or Complementary Discipline (DC).

⁶ Application activities refer to: seminar (S) / laboratory (L) / project (P) / practice/training (Pr).

⁷ Year of studies in which the discipline is provided in the curriculum.

⁸ Discipline may have one of the following regimes: imposed discipline (DI), optional discipline (DO) or optional discipline (Df).

⁹ The number of hours in the headings 3.1 *, 3.2 *, ..., 3.8 * is obtained by multiplying by 14 (weeks) the number of hours in headings 3.1, 3.2, ..., 3.8. The information in sections 3.1, 3.4 and 3.7 is the verification keys used by ARACIS as: (3.1) + (3.4) ≥ 28 hours / wk. and (3.8) ≤ 40 hours / wk.

¹⁰ The total number of hours / week is obtained by summing up the number of hours in points 3.1, 3.4 and 3.7.

4.2 Competencies	• none
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5. Conditions (where applicable)

5.1 of the course	• Classroom of medium capacity
5.2 to conduct practical activities	•

6. Specific competencies acquired through this discipline

Specific competencies	<ul style="list-style-type: none"> • General understanding of the civil engineering domain and of the specific curricula for Bachelor studies • Complying to quality and sustainability requirements, specific to civil engineering • A general overview of all courses at bachelor level should offer basic information and terminology needed in the construction field and allow the students to understand the interdisciplinarity of this field
Professional competencies ascribed to the specific competencies	<ul style="list-style-type: none"> • Recognizing typical structures and structural elements, specific to the graduated study programme •
Transversal competencies ascribed to the specific competencies	<ul style="list-style-type: none"> • Documentation in Romanian and foreign language, in view of professional and personal development, via continuous learning and efficient adaptation to the internationalization trends and new international requirements

7. Objectives of the discipline (based on the grid of specific competencies acquired - pct.6)

7.1 The general objective of the discipline	<ul style="list-style-type: none"> • The discipline aims to provide to the students a general view of the civil engineering domain, with a presentation of the specific curricula, focusing on the domain disciplines (DD) and specialist disciplines (DS) from the four years of Bachelor studies.
7.2 Specific objectives	<ul style="list-style-type: none"> • After completion of the course, the student should be able to recognize typical materials, structural elements and structures, specific to civil engineering

8. Content¹¹

8.1 Course	Number of hours	Teaching methods ¹²
1. Introduction. – General presentation of the civil engineering domain	1	Lectures, conversations, explanations, examples
2. Overview of the specific disciplines studied in years I-III - including Building Materials, Mechanics of materials and structures, Geology, Soil mechanics and foundations, Concrete, Metal, Masonry and timber constructions etc	6	
3 General overview of each discipline studied in the IV-th year including Reinforced Concrete Structures and Prestressed Structures, Steel and Composite structures, Management of constructions and building sites, Special technics and structures etc.	2.5	
4 Quality system in civil engineering, legislation and further possible	2.5	

¹¹ It details all the didactic activities foreseen in the curriculum (lectures and seminar themes, the list of laboratory works, the content of the stages of project preparation, the theme of each practice stage). The titles of the laboratory work carried out on the stands shall be accompanied by the notation "(*)".

¹² Presentation of the teaching methods will include the use of new technologies (e-mail, personalized web page, electronic resources etc.).

qualifications as civil engineer		
5 Study cases - lessons to be learned - building behaviour during exploitation and special events, preventing accidents and structural failures .	2	
Bibliography ¹³ Lectures provided to the students in pdf format. Presentation of all existing informations about the syllabus of each discipline at bachelor level		
8.2 Applied activities ¹⁴	Number of hours	Teaching methods
Bibliography ¹⁵		

9. Corroboration of the content of the discipline with the expectations of the main representatives of the epistemic community, professional associations and employers in the field afferent to the program

- The graduates should be able to recognize typical materials, structural elements and structures, specific to civil engineering. The course helps the students to identify the tasks of the quality system in civil engineering field and legislation and also to understand the possible qualifications within this field, the requirements and the specific responsibilities
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10. Evaluation

Type of activity	10.1 Evaluation criteria ¹⁶	10.2 Evaluation methods	10.3 Share of the final grade
10.4 Course	Questions from the presented lectures	Written examination	50 %
10.5 Applied activities	S:		
	L:		
	P¹⁷:		
	Pr: Students are expected to attend and participate in	Responses to the questions during the lectures. The attendance is monitored	50%

¹³ At least one title must belong to the discipline team and at least one title should refer to a reference work for discipline, national and international circulation, existing in the UPT library.

¹⁴ Types of application activities are those specified in footnote 5. If the discipline contains several types of applicative activities then they are sequentially in the lines of the table below. The type of activity will be in a distinct line as: "Seminar:", "Laboratory:", "Project:" and / or "Practice/training".

¹⁵ At least one title must belong to the discipline team.

¹⁶ Syllabus must contain the procedure for assessing the discipline, specifying the criteria, methods and forms of assessment, as well as specifying the weightings assigned to them in the final grade. The evaluation criteria shall be formulated separately for each activity foreseen in the curriculum (course, seminar, laboratory, project). They will also refer to the forms of verification (homework, papers, etc.)

¹⁷ In the case where the project is not a distinct discipline, this section also specifies how the outcome of the project evaluation makes the admission of the student conditional on the final assessment within the discipline.

	every class session	
10.6 Minimum performance standard (minimum amount of knowledge necessary to pass the discipline and the way in which this knowledge is verified ¹⁸)		
<ul style="list-style-type: none"> The answers to the examination questions must accumulate a minimum score of 5 points out of 10 possible 		

Date of completion

16.01.2019

**Head of Department
(signature)**

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**Course coordinator
(signature)**

**Date of approval in the Faculty
Council ¹⁹**

**Coordinator of applied activities
(signature)**

**Dean
(signature)**

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¹⁸ It will not explain how the promotion mark is awarded.

¹⁹ The endorsement is preceded by the discussion of the board's view of the study program on the discipline record.