

Domain CIVIL ENGINEERING

Program Name CIVIL, INDUSTRIAL AND AGRICULTURAL CONSTRUCTIONS (IN ENGLISH LANGUAGE)

Study Level BACHELOR

CURRICULA

Valid for the Academic Year

2025-2026

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COURSE CODE AND TITLE	Year I					Methods of Assessment					Nr.of Hours/Discipline				ECTS/Sem		Discipline	
	SEM 1		14 weeks			SEM 2		14 weeks			Total	C	Apl	Indiv. St.	1	2	cat	type
	C	S	L	P	PR	C	S	L	P	PR								
1.00 Mathematical Analysis	2	2	0	0	0						Gr	125	28	28	69	5.0	DF	DI
2.00 Linear Algebra, Analytical and Differential Geometry	2	2	0	0	0						Gr	125	28	28	69	5.0	DF	DI
3.00 Descriptive Geometry	2	0	2	0	0						Gr	125	28	28	69	5.0	DF	DI
4.00 Applied Informatics	2	0	2	0	0						Gr	75	28	28	19	3.0	DF	DI
5.00 Chemistry	2	0	2	0	0						Gr	125	28	28	69	5.0	DF	DI
6.00 Engineering Geology	1	0	1	0	0						Gr	50	14	14	22	2.0	DD	DI
7.00 Physical Education I	0	1	0	0	0						A/R	50	0	14	36	2.0	DC	DI
8.10 English I	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
8.20 French I	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
8.30 German I	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
8.40 Italian I	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
9.10 History of Engineering in Constructions	2	0	0	0	0						Gr	50	28	0	22	2.0	DC	DO
9.20 Ethics and Academic Integrity	2	0	0	0	0						Gr	50	28	0	22	2.0	DC	DO
10.00 Special Mathematics						2	2	0	0	0	Gr	100	28	28	44	4.0	DF	DI
11.00 Mechanics I						2	0	3	0	0	Gr	125	28	42	55	5.0	DD	DI
12.00 Physics						2	1	0	0	0	Gr	75	28	14	33	3.0	DF	DI
13.00 Construction Materials						2	0	2	0	0	Gr	125	28	28	69	5.0	DD	DI
14.00 Technical Drawing and Infographics I						0	0	3	0	0	Gr	100	0	42	58	4.0	DF	DI
15.00 Computer Programming and Programming Languages						0	0	2	0	0	Gr	75	0	28	47	3.0	DF	DI
16.00 Elements of Architecture and Systematization						1	0	0	0	0	Gr	50	14	0	36	2.0	DD	DI
17.00 General Economics						1	1	0	0	0	Gr	50	14	14	22	2.0	DC	DI
18.00 Physical Education II						0	1	0	0	0	A/R	25	0	14	11	1.0	DC	DI
19.10 English II						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
19.20 French II						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
19.30 German II						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
19.40 Italian II						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO

Rector,
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TOTAL AN	13	6	7	0	0	10	6	10	0	0	sem1	5	3	1	1500	322	406	772	30.0	30.0	
				26.00					26.00		sem2	5	4	1							
201.00 Educational Psychology	2	2	0	0	0						Gr				125	28	28	69	5.0		DC DFac
301.00 Volunteering 1	0	1	0	0	0						A/R				50	0	14	36	2.0		DC DFac
101.00 Allplan Engineering I						1	0	1	0	0	Gr				75	14	14	47	3.0		DC DFac
202.00 Pedagogy I (The Fundamentals of Pedagogy, Curriculum Theory and Methodology)						2	2	0	0	0	Gr				125	28	28	69	5.0		DC DFac
302.00 Volunteering 2						0	1	0	0	0	A/R				50	0	14	36	2.0		DC DFac
TOTAL AN	2	3	0	0	0	3	3	1	0	0	sem1	1	0	1	425	70	98	257	7.0	10.0	
				5.00					7.00		sem2	1	1	1							

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COURSE CODE AND TITLE	Year II					Methods of Assessment					Nr.of Hours/Discipline				ECTS/Sem		Discipline	
	SEM 1 14 weeks			SEM 2 14 weeks			E C V			Indiv. St.	Total	C	Apl	Indiv. St.	1	2	cat	type
	C	S	L	P	PR	C	S	L	P	PR								
20.00 Mechanics II	2	2	0	0	0						Gr	125	28	28	69	5.0	DD	DI
21.00 Strength of Materials I	3	0	3	0	0						Gr	150	42	42	66	6.0	DD	DI
22.00 Numerical Methods	2	0	2	0	0						Gr	100	28	28	44	4.0	DF	DI
23.00 Surveying	2	0	2	0	0						Gr	125	28	28	69	5.0	DD	DI
24.00 Technical Drawing and Infographics II	0	0	2	0	0						Gr	75	0	28	47	3.0	DF	DI
25.00 Hydraulics	2	0	2	0	0						Gr	100	28	28	44	4.0	DD	DI
26.00 Fire safety	1	0	0	0	0						Gr	50	14	0	36	2.0	DD	DI
27.10 English III	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
27.20 French III	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
27.30 German III	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
27.40 Italian III	0	1	0	0	0						Gr	25	0	14	11	1.0	DC	DO
28.00 Statics and Stability of Constructions I						3	0	2	0	0	Gr	100	42	28	30	4.0	DD	DI
29.00 Strength of Materials II						3	0	3	0	0	Gr	150	42	42	66	6.0	DD	DI
30.00 Soil Mechanics						2	0	2	0	0	Gr	100	28	28	44	4.0	DD	DI
31.00 Reinforced and Prestressed Concrete I						3	0	2	0	0	Gr	125	42	28	55	5.0	DD	DI
32.10 Communication Ways						2	0	1	0	0	Gr	75	28	14	33	3.0	DD	DO
32.20 Engineering Structures Bridges						2	0	1	0	0	Gr	75	28	14	33	3.0	DD	DO
33.00 Thermotechnics of Constructions						1	1	0	0	0	Gr	75	14	14	47	3.0	DD	DI
34.10 English IV						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
34.20 French IV						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
34.30 German IV						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
34.40 Italian IV						0	1	0	0	0	Gr	25	0	14	11	1.0	DC	DO
35.00 Surveying Practical Stage (3 weeks)						0	0	0	0	30	Gr	100	0	90	10	4.0	DD	DI
TOTAL AN	12	3	11	0	0	14	2	10	0	30	sem1 5 3 0	1500	364	454	682	30.0	30.0	
			26.00					26.00			sem2 4 4 0							

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203.00 Pedagogy II (Instruction Theory and Methodology, Assessment Theory and Methodology)	2	2	0	0	0			Gr	125	28	28	69	5.0	DC	DFac			
303.00 Volunteering 3	0	1	0	0	0			A/R	50	0	14	36	2.0	DC	DFac			
102.00 Statisitics and Probabilities in Constractions						2	0	1	0	0	Gr	50	28	14	8	2.0	DC	DFac
204.00 Didactics of the Specialization						2	2	0	0	0	Gr	125	28	28	69	5.0	DC	DFac
304.00 Volunteering 4						0	1	0	0	0	A/R	50	0	14	36	2.0	DC	DFac
TOTAL AN	2	3	0	0	0	4	3	1	0	0	sem1 1 0 1 sem2 1 1 1	400	84	98	218	7.0	9.0	

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COURSE CODE AND TITLE	Year III										Methods of Assessment			Nr.of Hours/Discipline				ECTS/Sem		Discipline	
	SEM 1 14 weeks					SEM 2 14 weeks					E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type
	C	S	L	P	PR	C	S	L	P	PR											
36.00 Statics and Stability of Constructions II	3	0	2	0	0						Gr		150	42	28	80	6.0		DD	DI	
37.00 Dynamics of Constructions	2	0	2	0	0						Gr		125	28	28	69	5.0		DD	DI	
38.00 Reinforced and Prestressed Concrete II	3	0	3	0	0						Gr		150	42	42	66	6.0		DD	DI	
39.00 Basics of Buildings Design	2	0	2	0	0						Gr		125	28	28	69	5.0		DS	DI	
40.00 Civil Engineering Management I	2	0	1	0	0						Gr		75	28	14	33	3.0		DD	DI	
41.00 Timber Structures	2	0	1	0	0						Gr		75	28	14	33	3.0		DD	DI	
42.00 Building Services	2	0	0	0	0						Gr		50	28	0	22	2.0		DD	DI	
43.00 Buildings I						2	0	0	2	0	Gr		100	28	28	44		4.0	DS	DI	
44.00 Reinforced Concrete Structures I						2	0	0	3	0	Gr		100	28	42	30		4.0	DS	DI	
45.00 Earthquake Engineering						2	0	1	0	0	Gr		75	28	14	33		3.0	DD	DI	
46.00 Steel Structures I						3	0	2	0	0	Gr		100	42	28	30		4.0	DD	DI	
47.10 Elements of Numerical Modeling in Structural Design						1	0	1	0	0	Gr		50	14	14	22		2.0	DD	DO	
47.20 Software Applications for Structural Analysis						1	0	1	0	0	Gr		50	14	14	22		2.0	DD	DO	
48.00 Statics and Stability of Constructions III						1	0	1	0	0	Gr		50	14	14	22		2.0	DD	DI	
49.00 Building Technology I						1	0	1	0	0	Gr		50	14	14	22		2.0	DS	DI	
50.00 Theory of Elasticity and Plasticity						2	0	1	0	0	Gr		75	28	14	33		3.0	DD	DI	
51.10 Aestetics of Constructions						1	0	1	0	0	Gr		50	14	14	22		2.0	DS	DO	
51.20 Traditional and Modern Finishing Works						1	0	1	0	0	Gr		50	14	14	22		2.0	DS	DO	
52.00 Practical Work in the Specialization (3 weeks)						0	0	0	0	30	A/R		100	0	90	10		4.0	DS	DI	
TOTAL AN	16	0	11	0	0	15	0	8	5	30	sem1	4	3	0	1500	434	426	640	30.0	30.0	
				27.00					28.00		sem2	5	4	1							

205.00 Computer Assisted Training	1	0	1	0	0						Gr			50	14	14	22	2.0		DC	DFac
206.00 Teaching Practice in Compulsory Pre-university Education ~(1)	0	0	0	0	3						Gr			75	0	42	33	3.0		DC	DFac
305.00 Volunteering 5	0	1	0	0	0						A/R			50	0	14	36	2.0		DC	DFac
103.00 Allplan Engineering II						1	0	1	0	0	Gr			75	14	14	47		3.0	DC	DFac

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207.00 Classroom Management		1	1	0	0	0	Gr	75	14	14	47	3.0	DC	DFac
208.00 Teaching Practice in Compulsory Pre-university Education ~(2)		0	0	0	0	3	Gr	50	0	36	14	2.0	DC	DFac
209.00 Graduation Exam - Level I		0	0	0	0	0	Gr	0	0	0	0	5.0	DC	DFac
306.00 Volunteering 6		0	1	0	0	0	A/R	50	0	14	36	2.0	DC	DFac
TOTAL AN	1 1 1 0 3.00	3	2	2	1	0	3 sem1 0 2 1 sem2 1 2 1	425	42	148	235	7.0 10.0 + 5		

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COURSE CODE AND TITLE		Year IV										Methods of Assessment			Nr.of Hours/Discipline				ECTS/Sem		Discipline	
		SEM 1 14 weeks					SEM 2 14 weeks								Indiv. St.				1 2		cat type	
		C S		L P		PR	C S		L P		PR	E C V		Total	C	Apl	St.	1	2	cat	type	
		C	S	L	P		C	S	L	P		E	C									V
53.00	Buildings II	3	0	0	0	0						Gr		100	42	0	58	4.0		DS	DI	
54.00	Buildings II - Project	0	0	0	2	0						Gr		75	0	28	47	3.0		DS	DI	
55.00	Steel Structures II	3	0	0	3	0						Gr		150	42	42	66	6.0		DD	DI	
56.00	Reinforced Concrete Structures II	2	0	0	0	0						Gr		75	28	0	47	3.0		DS	DI	
57.00	Reinforced Concrete Structures II - Project	0	0	0	3	0						Gr		75	0	42	33	3.0		DS	DI	
58.00	Building Technology II	3	0	2	0	0						Gr		125	42	28	55	5.0		DS	DI	
59.00	Foundations	3	0	3	0	0						Gr		150	42	42	66	6.0		DD	DI	
60.00	Computer Aided Design						1	0	2	0	0	Gr		75	14	28	33	3.0		DS	DI	
61.00	Civil Engineering Management II						1	0	2	0	0	Gr		100	14	28	58	4.0		DD	DI	
62.10	Maintenance, Repair and Strengthening Works Technology						2	0	1	0	0	Gr		100	28	14	58	4.0		DS	DO	
62.20	High Performance Technologies for Construction Works						2	0	1	0	0	Gr		100	28	14	58	4.0		DS	DO	
63.10	High Performance Energy-Efficient Building						2	0	1	0	0	Gr		100	28	14	58	4.0		DS	DO	
63.20	Modern Methods is Structural Analysis and Design						2	0	1	0	0	Gr		100	28	14	58	4.0		DS	DO	
64.10	Composite steel-concrete structures						2	0	2	0	0	Gr		125	28	28	69	5.0		DS	DO	
64.20	Special Steel Structures						2	0	2	0	0	Gr		125	28	28	69	5.0		DS	DO	
65.10	Industrial Constructions						1	0	1	0	0	Gr		75	14	14	47	3.0		DS	DO	
65.20	Agrozootechnical Constructions						1	0	1	0	0	Gr		75	14	14	47	3.0		DS	DO	
66.00	Diploma Project Development						0	0	0	4	0	Gr		100	0	56	44	4.0		DS	DI	
67.00	Field-Specific Research for the Graduation Project						0	0	0	0	5	Gr		75	0	70	5	3.0		DS	DI	
68.00	Diploma Project Defense						0	0	0	0	0	Gr		0	0	0	0	10.0		DS	DI	
TOTAL AN		14	0	5	8	0	9	0	9	4	5	sem1 5 2 0 sem2 5 3 0	1500 322 434 744	30.0	30.0	+ 10						

104.00 Testing in Constraction	2	0	2	0	0						Gr	75	28	28	19	3.0	DS DFac
105.00 Modern Languages V	1	0	2	0	0						Gr	75	14	28	33	3.0	DC DFac

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307.00	Volunteering 7	0	1	0	0	0			A/R	50	0	14	36	2.0	DC	DFac						
106.00	Modern Languages VI						1	2	0	0	0	Gr	75	14	28	33	3.0	DC	DFac			
308.00	Volunteering 8						0	1	0	0	0	A/R	50	0	14	36	2.0	DC	DFac			
TOTAL AN		3	1	4	0	0	1	3	0	0	0	sem1	0	2	1	325	56	112	157	8.0	5.0	
					8.00					4.00		sem2	0	1	1							

	C	S	L	P	PR	Credite	Examene	Colocvii si verificari	Total evaluari	Nr.examene/tot.evaluari
Anul I	322	168	238	0	0	60	10	9	19	53 %
Anul II	364	70	294	0	90	60	9	7	16	56 %
Anul III	434	0	266	70	90	60	9	8	17	53 %
Anul IV	322	0	196	168	70	60	10	5	15	67 %
TOTAL	1442	238	994	238	250	240	38	29	67	57 %

NUMAR ORE TOTAL	3162	DIN CARE	250.00	ORE PRACTICA	total ore calc.cu 240 ore de practica	3152.00
TOTAL ORE CURS, SEMINAR, LAB.,PROIECT	2912					
TOTAL ORE DISCIPLINE FUNDAMENTALE - TIP DF	532	16.88 %	din tot.activ.didactice oblig	min. 17%		
TOTAL ORE DISCIPLINE IN DOMENIU - TIP DID	1612	51.14 %	din tot.activ.didactice oblig	min. 38%		
TOTAL ORE DISCIPLINE DE SPECIALITATE - TIP DS	868	27.54 %	din tot.activ.didactice oblig	min. 25%		
TOTAL ORE DISCIPLINE COMPLEMENTARE - TIP DC	140	4.44 %	din tot.activ.didactice oblig.	max 8%		
TOTAL ORE DISCIPLINE IMPUSE - CAT DI	2802	88.90 %	din tot.activ.didactice oblig	max. 90%		
TOTAL ORE DISCIPLINE OPTIONALE - CAT OP	350	11.10 %	din tot.activ.didactice oblig	min. 10%		
TOTAL ORE DISCIPLINE FACULTATIVE - CAT F	708	22.46 %	din tot.activ.didactice oblig	min. 10%		
TOTAL ORE CURS	1442					
TOTAL ORE ACTIVITATI APLICATIVE	calc. cu 240 ore practica	1710				
RAPORT CURS / ACTIV. PRACTICE	calc. cu 240 ore practica	0.84	1 +/- 0.20			
TOTAL ORE DE PREGATIRE INDIVIDUALA	2838					
total ore didactice pe saptamana	213					

OBS. Disciplina Practica pedagogica in invatamantul preuniversitar anul 3 sem.2 se studiaza pe parcursul a 12 saptamani
Examenul de absolvire: nivelul I se desfasoara pe parcursul a 2 saptamani

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