Domain: Civil enginering

Programme of study: Civil Engineering Qualification: Bachelor Engineer Period of studies: Four years Education form: day courses

Seria: 2018-2022

CURRICULUM

1st year 2018-2019

12r		16-2019		· -			Sen	n 1 -	14 s	sapt		Sem 2 - 14 sapt						
Tip disciplina	Nr. crt.	Subject	Codul disciplinei	Conditionari			o hou			Ev.finală	K			o hou			Ev.finală	K
Тį			<u>ē</u>	ပိ	С	S	L	Р	SI	С		С	S	L	Р	SI		
	1 DF	Mathematical Analysis 1	CE101		2	2			4	Е	5							
	2 DF	Algebra and Geometry 1	CE102		2	2			4	Е	4							
	3 DID	Mechanics 1	CE103		2	1			4	Е	4							
	4 DID	Building Materials 1	CE104		1		1		2	Е	3							
	5 DF	Engineering Graphics	CE105				2		1	Vp	2							
	6 DF	Chemistry	CE106		2		1		1	Ċ	2							
	7 DF	Computer programming and programming	CE107		1		2		2	Vp	3							
		Humanistic Sciences (Techniques of	CE108		2				1	C	2							
		Construction Engineering. Ways of Thinking	CE109		2		1			Е	2							
	10 DC	English Language 1	CE110			1			2	Vp	2							
DI	11 DC	Physical Training 1	CE111			1				Vp	1							
	12 DF	Mathematical Analysis 2	CE112	CE101								2	2			1	Е	3
	13 DF	Algebra and Geometry 2	CE113	CE102								2	1			2	Е	3
		Mechanics 2	CE114	CE103								2	1			2	E	3
	15 DID	Building Materials 2	CE115	CE104								2		2		3	E	4
	16 DID	Elements of Architecture and Urban Planning	CE116									2		2		1	С	3
	17 DF	Physics 1	CE117									2		1		2	С	3
	18 DID	Strength of Materials 1	CE118									3		2		4	Е	5
	19 DC	English Language 2	CE119										1			2	Vp	2
	20 DC	Physical Training 2	CE120										1				Vp	1
	21 DF	Practice	CE121									2 sx	(30 h	/s = 6	i0 h		С	3
	22 DC	Aesthetics			2					Vp	2							
DL	23 DID	Innovative entrepreneurship development in construction			2					Vp	2							
I DL	24 DID	An Introduction to Technical Creativity										2					Vp	2
	25 DF	Elementary Mathematics 1			2					Vp	2							
		Elementary Mathematics 2								<u> </u>		2					Vp	2
		Psychology of Education-DPPD*			2	2				Е	5						•	
		Pedagogy I*:																
	28 DC	- Fundamentals of Pedagogy										2	2				Ε	5
	20 00	- Theory and Methodology of the Curriculum										2	2				_	
		Total hours per week, total topics and credits per se	mester	at DI	14	7	7	0			30	15	6	7	0		5 E	30
		and DO				2	8		22	2 C			2	8		17	3 C	
									4 Vp							2 Vp	1	

^{*} Psychopedagogical training programme for the certification of competences for the teaching profession.

DECAN, Conf.dr.ing. Vasilică Ciocan

Domain: Civil enginering

Programme of study: Civil Engineering Qualification: Bachelor Engineer Period of studies: Four years Education form: day courses

Seria: 2018-2022

CURRICULUM

2nd year 2019-2020

na	Nr.		Sem 3 - 14 sapt Sen						า 4 -									
Tip disciplina	crt.	Denumirea disciplinei	Codul disciplinei	Conditionari			re/s			Ev.finală				re/s			Ev.finală	
p di		Bonanii oa alooipiinoi		Sonc	_		scipli			/.fin	K			scipli			/.fin	K
Ë				0	С	S	L	Р	SI		_	С	S	L	Р	SI	Ш	
		Statics of Constructions 1	CE201		3		2		4	E	5							
		Descriptive Geometry	CE202		2	1			2	E	4							
		Engineering Geology	CE203		1		1		2	E	3							
		Physics 2	CE204	CE117	1	1			2	C	3							
		Strength of Materials 2	CE205	CE118	3		2		4	E	6							
		Environmental Engineering	CE206		2		1		2	E	3							
		Economics	CE207		2				1	С	2							
		English Language 3	CE208			1			2	Vp	1							
		Physical Training 3	CE209			1				Vp	1							
DI		Statics of Constructions 2	CE210	CE201								3		2		5	E	6
		Theory of Elasticity and Plasticity	CE211									2		1		2	Е	3
		Reinforced Concrete	CE212									2		1		2	Е	3
		Civil construction 1	CE213									2		2		3	Е	4
		Infographics	CE214									1		2		2	С	3
		Hydraulics	CE215									2		1		2	С	3
		Surveying	CE216									2		2		1	Е	3
	17 DC	English Language 4	CE217										1			2	Vp	1
	18 DC	Physical Training 4	CE218										1				Vp	1
	19 DID	Land Surveying Practical Training	CE219									2 s	x30 h	/s = 6	0 h		С	3
DO	20 DF	Statistics	CE220		2					Vp	2							
	21 DID	Programming Languges (JAVA)	CE221									1		3			Vp	2
		Pedagogy II*:																
DL	22 DC	- Instruction Theory and Methodology	CE222		2	2				Е	5							
		- Evaluation Theory and Methodolgy																
	23 DC	Didactics of the Specialized Domain*	CE223									2	2				Е	5
		Ethics and Integrity	CE224									2	1				С	2
		Total hours per week, total topics and credits per se	mester	at DI	16	4	6	0		5 E	30	14	2	11	0		5 E	30
		and DO				2		_	19	2 C						20	3 C	
							20			3 Vp		27					2 Vp	

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Domain: Civil enginering

Programme of study: Civil Engineering Qualification: Bachelor Engineer Period of studies: Four years Education form: day courses

Seria: 2018-2022

CURRICULUM

3rd year 2020-2021

							Se	m 5 -	14 s	apt		Sem 6 - 14 sapt							
Tip disciplina	Nr. crt.	Denumirea disciplinei	Codul disciplinei Conditionari		Nr.ore / sapt / disciplina				Ev.finală	K	Nr.ore / sapt / disciplina					Ev.finală	K		
					С	S	L	Р	SI			С	S	L	Р	SI	ш		
		Elements of Steel Structures 1	CE301		2		1		2	Е	3								
	2 DIS	Technology of Constructions 1	CE302		2		1		2	С	3								
		Structural Dynamics	CE303		2		2		4	Е	4								
		Numerical Methods in Engineering	CE304		2		1		3	С	3								
	5 DID	Reinforced and Prestressed Concrete	CE305		2			2	4	Е	5								
	6 DID	Geotechnics	CE306		3		2		4	Е	5								
	7 DID	Civil Constructions 2	CE307		2			2	4	Е	5								
DI	8 DIS	Fundamentals of Fire Safety in Civil Engineering	CE308		2				3	С	2								
	9 DIS	Earthquake Engineering	CE309									2		2		2	E	3	
	10 DID	Computer Assisted Design	CE310									2		1		2	С	2	
	11 DID	Elements of Steel Structures 2	CE311	CE301								2			2	ვ	Е	4	
	12 DIS	Technology of Constructions 2	CE312	CE302								2		1		2	Е	3	
	13 DIS	Foundations	CE313									3			2	3	Е	5	
	14 DIS	Timber Structures	CE314									2			1	ფ	С	4	
	15 DID	Economy and Legislation	CE315									2		1		2	С	3	
	16 DID	Technology and Management Practical Training	CE316									4sx	30h/s	s = 12	20 h		С	3	
DO		Optional 1	CE317									2		1			Vp	3	
	18 DF	Programming Languges (MATLAB)	CE318		1		ვ			Vp	2								
	19 DF	Databases	CE319									1		2			Vp	2	
	20 DC	Advanced English Language	CE320			2				Vp	2		2				Vp	2	
DL	21 DC	Computer Assisted Training*	CE321		1	1				С	2								
DL	22 DC	Management of the Pupils' Classroom*	CE322									1	1				С	3	
	23 DC	Practicum in Educational Institutions (2)*	CE323		14s	x3 h/	s = 4	2 h		С	3	12s	x3 h	s = 3	6 h		С	2	
	24 DC	Graduation Exam, Level I*	CE324														Е	5	
	25 DC	Entrepreneurial education	CE325									2		1			С	5	
		Total hours per week, total topics and credits per se	emester	at DI	17	0	7	4		5 E	30	17	0	6	5		4 E	30	
		and DO				2			26	3 C						17	4 C		
										0 Vp			28				1 Vp		

Opt.1 Hygrothermics and Acoustics of Buildings
Structural Shapes for Building

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Programme of study: Civil Engineering Qualification: Bachelor Engineer Period of studies: Four years Education form: day courses

Seria: 2018-2022

CURRICULUM

4th year 2021-2022

ğ	NI.			ari			Sen	n 7 -	14 :	sapt		Sem 8 - 14 sapt						
disciplir	ort.	Denumirea disciplinei	Codul disciplinei onditiona	Conditionari	Nr.ore / sapt / disciplina					Ev.finală	K		Nr.ore / sapt / disciplina				Ev.finală	К
DI			₽	Cor	С	S	Ĺ	Р	SI	Ev.f	'`	С	S	Ĺ	Р	SI	Ev.f	
	1 DIS	Reinforced Concrete Structures	CE401		3			2	4	Е	5		_					
	2 DIS	Steel Structures	CE402		2			2	4	E	5							
	3 DIS	Industrial Constructions	CE403		2			2	4	E	4							
l Di	4 DIS	Constructions in Rural Zone	CE404		2		1		3	С	4							
וט	5 DID	Management of Constructions Works	CE405		3		2		3	Е	4							
	6 DID	Building Services in Constructions	CE406									2		1		2	Е	3
	7 DIS	General concepts of sustainability	CE407		2					Vp	2							
	8 DIS	Elements of Composite Structures	CE408									2		1		2	Е	3
	9 DIS	Optional 2	CE409		2		1		2	Vp	3							
	10 DIS	Optional 3	CE410		2		0		2	Vp	3							
	11 DIS	Optional 4	CE411									2		1		2	Е	3
DO.	12 DIS	Optional 5	CE412									2		1		2	Vp	2
-	13 DIS	Optional 6	CE413									2		1		2	Е	3
	14 DIS	Optional 7	CE414									2		1		2	Vp	3
	15 DID	Optional 8	CE415									2		1		2	Vp	3
		Diploma project research	CE416												4	6	С	5
DI		Diploma project completion	CE417												3	6	С	5
		Diploma exam	CE418														(E)	(10
		Entrepreneurial education	CE419		1		2			С	5							
DL		Applied entrepreneurship education	CE420									2			1		С	3
	21 DF	Programming Languges (FORTRAN)	CE421		1		2			Vp	2							
	Total hours per week, total topics and credits per semester at DI			at DI	18	0	4	6		4 E	30	14		7	7		4 E	30
		and DO				2	8		22	1 C			2	8		26	2 C	l I
										3 Vp							3 Vp	

				3 VP			o vp	1			
Opt 2	Building Rehabilitation	Opt.6	Special Steel Structures								
•	Elements of Non-linear Computation in Civil	·	Light Metallic Structures								
Opt 3	Advanced Building Materials	Opt.7	Masonry C	onstructions							
	Advanced Building Technologies		Thermo-physical Rehabilitation of Constructions								
Opt.4	Durability of Reinforced Concrete Structures	Opt.8	Transportation Infrastructure								
	Advanced Solutions in Reinforced Concrete		Special Fo	undations							
Opt.5	Quality Management										

To support and promote diploma exam are awarded with additional 10 credits.

Project Management

DECAN, Conf.dr.ing. Vasilică Ciocan