Transilvania University of Brașov, Romania

Study program: Civil, Industrial and Agricultural Constructions

Faculty: Civil Engineering

Study period: 4 years

Examinations sessions (two): winter session (January/February)

Summer session (June/July)

Courses per years (C= course; S= seminar; L= laboratory; P= project) 1st Year

No	Course	Code	1 st 9	Seme	ster-	14 we	eks	2 nd Semester- 14 weeks						
Crt.			С	S	L	Р	Cr	С	S	L	Р	Cr		
1	Mathematical analysis I	AM01	2	1			4							
2	Linear algebra, analytical and differential geometry	ALGADO 1	2	2			4							
3	Computer programming and programming languages I	PCLP01	1		2		4							
4	Descriptive geometry	GD01	2	2			4							
5	Mechanics I	MECC01	2	2			5							
6	Chemistry	CH01	2		1		3							
	Foreign language I- French	LSF01												
7	Foreign language I- English	LSE01	1	1			2							
'	Foreign language I- German	LSG01	1 2	'										
	Foreign language I- Spanish	LSS01												
8	Physics	FIZ01	2	1	1		4							
9	Physical education and sport I	EF01		1			1							
10	Mathematical analysis II	AM02						2	2			4		
11	Building materials	MC02						Э		2		5		
12	Topography	TOP02						2		2		4		
13	Engineering drawing and computer graphics I	DTI02								Э		3		
14	Strenght of materials I	RM02						3	2			5		
15	Mechanics II	MECC02						2	2			5		
	Foreign language II- French	LSF02												
4-	Foreign language II- English	LSE02						4	_			٦		
15	Foreign language II- German	LSG02						1	1			2		
	Foreign language II- Spanish	LSS02												
17	Physical education and sport II	EF02							1			1		
18	Practice topography(1 week x 30hours/week=30hours)	PT02										2		

2nd Year

No	Course	Code	3 rd S	3 rd Semester – 14 weeks				4 th Semester – 14 weeks					
Crt.	Course		С	S	L	Р	Cr	C	S	L	Р	Cr	
1	Special mathematics	MS03	2	2			4						
2	Strenght of materials II	RM03	3	2			6						
3	Statics and stability of constructions I	SSC03	3	2			6						
4	Hydraulics	HDR03	2	1			4						
5	Engineering drawing and computer graphics II	DTI03			4		4						
6	Building thermotechnics	TERM03	1	1			2						
	Foreign language III- French	LSF03											
7	Foreign language III- English	LSE03	1	1			2						
′	Foreign language III- German	LSG03	<u>'</u>	,									
	Foreign language III- Spanish	LSS03											
8	Physical education and sport III	EF03		1			1						
9	Academic writing	SA03	1				2						
	Communication	COM03		'				2					
10	Statics and stability of constructions II	SSC04						3	2	1		6	
11	Computer programming and programming languages II	PCLP04						2		2		4	
12	Theory of elasticity and plasticity	TEP04						2	1			4	
13	Reinforced and prestressed concrete I	BAP04						3	2			5	
14	Roads for ccommunications	CCOM04						2			1	4	
15	Geologie inginerească	GE004						1		1		3	
	Foreign language IV- French	LSF04											
16	Foreign language IV- English	LSE04						1	1			2	
10	Foreign language IV- German	LSG04							'			_	
	Foreign language IV- Spanish	LSS04											
17	Physical education and sport IV	EF04							1			1	
18	Technological practice (2 weeks x 30hours/week=60hours)	PTH04										2	

3rd Year

No	Course	Code	5 th S	iemes	iter –	14 w	eeks	6 th Semester – 14 weeks					
Crt.	Course		С	S	L	Р	Cr	С	S	L	Р	Cr	
1	Dynamics of structures and seismic engineering	DS05	3	2	1		6						
2	Geotechnical engineering	GT05	3		2		5						
3	Timber construction	CL05	2			2	4						
4	Reinforced and prestressed concrete II	BAP05	2	2			5						
5	Civil buildings I	CC05	2	1			4						
6	General economy	EG05	1				2						
7	Composite constructions materials and elements	MEC05	1	1			7						
/	Special concrete and composite materials	BSMC05		1			2						
8	Elements of architecture and systematization	EAS05	1	1			2						

	Urbanism and landscaping	UAT05							
9	Reinforced concrete stuctures	SBA06			3				4
10	Reinforced concrete stuctures - Project	SBAP06						3	2
11	Civil buildings II	CC06			2				3
12	Civil buildings II - Project	CCP06						3	2
13	Steel constructions I	CMT06			2	2			4
14	Foundations	FD06			3				4
15	Foundations-Project	FDP06						3	2
16	Finite element method	MEF06			2		2		3
17	Technology of constructions works I	TLC06			2	1			2
18	Practice (3 weeks x30hours/week=90hours)	PS06							4

4th Year

No	Course	Code	7 th S	emes	ter –	14 w	eeks	8 th Semester – 14 week						
Crt.	Course		С	S	L	Р	Cr	С	S	L	Р	Cr		
1	Technology of constructions works II	TLC07	2	2			5							
2	Steel constructions II	CM07	3				4							
3	Steel constructions II- Project	CM07				3	2							
4	Special reinforced concrete structures	SSBA07	2				3							
5	Special reinforced concrete structures - Project	SSBAP0 7				2	2							
	Computer aided design	PAC07												
6	Non-linear design for constructions	ECNC07	2		2		5							
7	Civil buildings III	CC07	2			2	5							
8	Organization and management of construction works	OML07	2	2			4							
	Steel structures	SM08									_			
9	Composite steel-concrete constructions	COB08						2			2	4		
10.	Constructions safety	SGC08						,	1			_		
10.	Basics of fire safety in construction	BSI08						4 2	3					
11	Environmental engineering	IM08							1	1			2	
11	Renewable energy sources	SR08						ı	1 1			2		
12	Industrial buildings	CI08						2			2	4		
	Constructions in rural areas	CMR08												
13	Maintenance, repair and consolidation technology	TLRC08						2	1	1 1		3		
	Constructions durability	DRC08						_	_					
14	Constructions sustainability	SC07						2	1			3		
15	Building services	IC08						2	1			3		
16	Construction legislation							1				2		
17	Diploma specialised project	EPD08									4	4		
18	Practice- diploma project completion (2 weeks x 30hours/week=60hours)	PRD08										2		