

Transilvania University of Braşov, Romania

Study program: Sustainable construction engineering

Faculty: Civil Engineering
Study period: 2 years (master)
Academic year structure: 2 semesters (14 weeks per semester)
Examination sessions (two): winter session (January/February)
 summer session (June/July)
Courses per years (C= course; S = seminar; L = laboratory; P = project; 01/02 = optional)

1st Year

No. crt.	Course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cr	C	S	L	P	Cr
1	BIM Concept in Civil Engineering	CBIM01	2	0	0	1	5					
2	Concepte arhitecturale moderne în proiectarea construcţiilor sustenabile	CAMP01	2	0	0	1	5					
3	Evaluation of the reliability of structures in the concept of design for durability	EFSCPD01	1	1	0	0	4					
4	Materiale sustenabile utilizate în construcţii	MSUC01	2	0	0	0	4					
5	Evaluation and certification of sustainable buildings	ECCS01	2	1	0	0	4					
6	Ethics and Academic Integrity	EIA01	2	1	0	0	2					
7	Practical placement I	SP01	0	0	0	0	6					
8	Advanced Structural Engineering with Finite Element	ASAEF02						1	0	2	0	5
9	Composite steel and concrete structures	SMOB02						2	0	0	2	5
10	Modern structures for prestressed concrete	SMBP02						2	0	0	2	5
11	Evaluarea şi certificarea performanţelor energetice a clădirilor	ECPECO2						2	0	0	1	5
12	Practical placement II	SP02						0	0	0	0	6
13	(O1) Management in Urban Planning and Regeneration	EMPRU02										
	(O1) Sustainable development in the built environment	DDMCO2						2	0	0	1	4

2nd Year

No. crt.	Course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cr	C	S	L	P	Cr
1	Strengthening construction infrastructure	RITCI03	2	0	0	2	5					
2	Rehabilitation and consolidation of reinforced concrete structures	RCSBA03	2	0	0	2	5					
3	Rehabilitation and consolidation of timber and masonry structures	RCSLZ03	2	0	0	2	5					
4	Rehabilitation and consolidation of metallic structures	RCSM03	2	0	0	2	5					
5	Practical placement III	SP03	0	0	0	0	6					
6	Practice for writing the dissertation	PID04						0	0	0	12	20
7	Development of dissertation work	ED04						0	0	0	14	10