

CURRICULA **2024-2028**
YEAR OF STUDY : I

I. Compulsory subjects

No.	Subject	Formative category*	Code	1st Semester (14 weeks)						2nd Semester (14 weeks)					
				No.hours/week						No.hours/week					
				C	S	PW	P	Cr	VF	C	S	PW	P	Cr.	VF
1	Mathematical Analysis 1	DF	0906010102	2	2			4	E						
2	Geodetic Astronomy	DD	0906010106	2		2		4	E						
3	Physics	DF	0906010104	2		1		3	E						
4	Descriptive Geometry	DF	0906010105	2		1		3	VP						
5	Applied informatics	DF	0906010110	2		2		3	C						
6	Technical Drawing and Infographics 1	DF	0906010112	2		1		3	E						
7	Geodetic Instruments and Measurement Methods	DD	0906010109	2		2		4	E						
8	Physical Training 1	DC	0906010114			1		3	VP						
9	Mathematical Analysis 2	DF	0906010103							2	2			4	E
10	Surveying 1	DD	0906010107							3		3		5	E
11	Surveying - project	DD	0906010108										2	3	P
12	Computer programming	DF	0906010111							2		2		4	E
13	Linear Algebra, Analytic and Differential Geometry	DF	0906010101							2	2			3	E
14	Technical Drawing and Infographics 2	DF	0906010113									2		2	E
15	Physical Training 2	DC	0906010115									1		3	VP
16	Domain Practice (Surveying)	DD	0906010116							2 weeks				2	C
Total: hours/credits/week				14	2	10	0	27		9	4	8	2	26	

II.Optional subjects

17	French 1	DC	0906010218	1				2	VP						
18	German 1	DC	0906010225												
19	Ethics and Academic Integrity	DC	0906010223	1				1	VP						
20	Learning methods	DC	0906010224												
21	French 2	DC	0906010220							1	2			2	VP
22	German 2	DC	0906010226												
23	Philosophy, or	DC	0906010221							1	1			2	VP
24	Sociology	DC	0906010222												
Total: hours/credits/week				2				3		2	3			4	
Total / year				28				30		28				30	

III.Facultative subjects

25	History of geodesy	DC	0906010323	2	2			5	E						
26	Environmental protection	DC	0906010324							2	2			5	E
27	Educational psychology	DC	0906010325	2	2			5	E						
28	Pedagogy 1	DC	0906010326							2	2			5	E

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CURRICULA
YEAR OF STUDY : II

2024-2028

I. Compulsory subjects

No.	Subject	Formative category*	Code	3rd Semester (14 weeks)						4th Semester (14 weeks)					
				No.hours/week						No.hours/week					
				C	S	L	P	Cr	FV	C	S	L	P	Cr.	FV
1	Numerical Analysis	DF	0906020101	2	2			5	E						
2	Measurements Adjustement and Statistics 1	DS	0906020103	2		2		5	E						
3	Ellipsoidal Geodesy	DD	0906020106	2		2		5	E						
4	Surveying 2	DD	0906020105	3		3		5	E						
5	Soil mapping	DS	0906020110	2		1		3	C						
6	Physical Training 3	DC	0906020114			1		3	VP						
7	Advanced Mathematics	DF	0906020102							2	2			3	E
8	Measurements Adjustement and Statistics 2	DS	0906020104							2		2		3	E
9	Geodesy	DD	0906020107							2		2		4	E
10	Geodesy - project	DD	0906020108										2	3	P
11	Geodetic Measurements Through Electromagnetic Waves	DD	0906020109							2		2		4	E
12	Civil Constructions	DD	0906020112							1		1		2	VP
13	Cadastral Evaluation Marks	DS	0906020111							2		1		2	E
14	Physical Training 4	DC	0906020115									1		3	VP
15	Domain Practice (Surveying and Geodesy)	DD	0906020113							3 weeks				3	C
Total: hours/credits/week				11	2	9		26		11	2	9	2	27	

II.Optional subjects

16	Urban Management 1	DS	0906020215	2		1		3	VP						
17	Geology and Geomorphology 1	DS	0906020216												
18	French 3	DC	0906020220	1				1	VP						
19	German 3	DC	0906020221												
20	Urban Management 2	DS	0906020217							2		1		2	VP
21	Geology and Geomorphology 2	DS	0906020218												
22	French 4	DC	0906020223								1			1	VP
23	German 4	DC	0906020224												
Total: hours/credits/week				3		1		4		2	1	1		3	
Total / year				26				30		28				30	

III.Facultative subjects

24	Romanian 1	DC	0906020323		1			1	VP						
25	Web Design 1	DC	0906020325	2	2			5	E						
26	Pedagogy 2	DC	0906020327	2	2			5	E						
27	Romanian 2	DC	0906020324								1			1	VP
28	Web Design 2	DC	0906020326							2	2			5	E
29	Specialty teaching	DC	0906020328							2	2			5	E

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CURRICULA **2024-2028**
YEAR OF STUDY : III

I. Compulsory subjects

No.	Subject	Formative category*	Code	5th Semester (14 weeks)						6th Semester (14 weeks)					
				No.hours/week						No.hours/week					
				C	S	PW	P	Cr	VF	C	S	PW	P	Cr.	VF
1	Global Positioning Systems 1	DS	0906030101	2		2		4	E						
2	Geodetic Gravimetry	DD	0906030111	2		1		3	C						
3	Photogrammetry 1	DD	0906030103	2		1		4	E						
4	Cadastr 1	DD	0906030108	2		1		3	E						
5	WebGIS Applications 1	DS	0906030112	2		2		4	E						
6	Cartography	DD	0906030106	2		2		4	C						
7	Territorial organization and ecology	DD	0906030105	2		2		4	C						
8	Spatial Planning and Urbanism	DD	0906030114	2	1			4	C						
9	Engineering Surveying 1	DD	0906030102							2		2		4	E
10	Photogrammetry 2	DD	0906030104							2		2		4	E
11	Cartographic Projections	DS	0906030107							2		2		4	E
12	Cadastr 2	DD	0906030109							2		2		4	E
13	Cadastr (project)	DD	0906030110										2	3	P
14	Land improvements 1	DS	0906030113							2		2		3	E
15	Speciality Practice (Global Positioning Systems)	DS	0906030115							3 weeks				4	C
Total: hours/credits/week				16	1	11	0	30		10		10	2	26	

II.Optional subjects

16	WebGIS Applications 2	DS	0906030216							2		1		2	C
17	Hidrology	DS	0906030217												
18	Communication, or	DC	0906030218							2	1			2	VP
19	Career Guidance	DC	0906030219												
Total: hours/credits/week										4	1	1		4	
Total / year				28				30		28				30	

III.Facultative subjects

20	Driving licence school 1	DC	0906030320	1		1		2	VP						
21	Marketing	DC	0906030321	1		1		3	C						
22	Computer assisted training	DC	0906030331	1	1			2	C						
23	Pedagogical practice in pre-university education compulsory (1)	DC	0906030329			3		3	C						
24	Driving licence school 2	DC	0906030322							1		1		2	VP
25	Entrepreneurship 1	DC	0906030323							2	2			3	E
26	Pedagogical practice in pre-university education compulsory (2)	DC	0906030330									3		2	C

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CURRICULA 2024-2028
YEAR OF STUDY : IV

I. Compulsory subjects

No.	Subject	Formative category*	Code	7th Semester (14 weeks)						8th Semester (10weeks)					
				No.hours/week						No.hours/week					
				C	S	PW	P	Cr	VF	C	S	PW	P	Cr.	VF
1	Remote Sensing	DS	0906040101	2		2		4	E						
2	Engineering Surveying 2	DD	0906040102	2		2		4	E						
3	Engineering Surveying - project	DD	0906040103				2	3	P						
4	Underground Measurements	DS	0906040104	2		2		4	E						
5	Automatic processing of geodetic data	DS	0906040106	2		1		4	C						
6	Aplications of electronics in geodesy	DS	0906040108	2		1		4	C						
7	Land improvements 2	DS	0906040105	2		1		3	C						
8	Cartographic Modelling	DS	0906040109	2		2		4	E						
9	Land and Cadastral Legislation	DS	0906040110							2	1			3	E
10	Management	DD	0906040111							2	2			4	E
11	Land and Buildings Monitoring	DS	0906040112							2		2		4	E
12	Real Estate Appraisal	DS	0906040113							2		2		4	E
13	Preparing the Diploma Project	DS	0906040107									4		4	C
14	Diploma Project Practice	DS	0906040114							4 weeks				4	VP
Total: hours/credits/week				14	0	11	2	30		8	3	8		23	

II.Optional subjects

15	Processing and optimization of geodetic networks	DS	0906040219							2		1		3	E
16	Spatial Geodetic Technologies	DS	0906040220												
17	Global Positioning Systems 2	DS	0906040215												
18	Sensors - Measurement and processing technique	DS	0906040216							2		1		2	C
19	Organizing the Geodetic Works	DS	0906040217							2		1		2	C
20	Water resources management	DS	0906040218												
Total: hours/credits/week				0		0		0		6		3		7	
Total / year				27			30			28			30		

III.Facultative subjects

21	Business Accounting	DC	0906040319	2		2		3	C						
22	Entrepreneurship 2	DC	0906040320	2	2		2	5	E						
23	Entrepreneurship 3	DC	0906040321							1	2			2	E

IV. Additional subjects

24	Final Bachelor Exam	DS	0906040322											10	A/R
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DF - formare fundamentala FF - fundamental formation

DD - formare in domeniu DF - domain formation

DS - formare de specialitate SF - speciality formation

DC - formare complementara DC - formare complementara

FO - formation according to university's option 12%

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