

CURRICULUM
FIELD OF STUDY: GEOGRAPHY
UNDERGRADUATE/ BACHELOR
STUDY PROGRAMME: Cartography
Year of study: **I (2020 - 2021)**
TYPE OF PROGRAMME – FULL TIME

No.	DISCIPLINE TITLE		DISCIPLINE STATUS		HOURS						CREDITS			TYPE OF ASSESSMENT			
					1 st semester			2 nd semester			1 st semester	2 nd semester	Tot al	1 st semester	2 nd semester		
A. Core disciplines					I	II	C	S	L	C	S	L	1 st semester	2 nd semester	Tot al	1 st semester	2 nd semester
1 ST SEMESTER		2 nd SEMESTER															
1.	Topography	Cartography			Com	Com	1		2	2		2	4	4	8	C	E
2.	General Physical Geography	General Human Geography			Com	Com	2		1	1		1	4	3	7	E	C
3.	Meteorology	Climatology			Com	Com	2		2	2		2	4	4	8	E	E
4.	Hydrology (general and underground waters)	Hydrology (Potamology and Limnology)			Com	Com	2		2	1		2	4	3	7	C	E
5.	Economic Geography	Geography of the Black Sea			Com	Com	2		1	1		1	3	3	6	E	V
6.	Oceanography*				Op	-	2		1				4		4	C	-
	Geography of Seas and oceans*				Op	-	2		1						4		4
7.		Geography of Industrial Activities*			-	Op				2		1		2	2		C
		Geography of Natural Resources*			-	Op				2		1		2	2	-	C
B. Specific disciplines																	
1 ST SEMESTER		2 nd SEMESTER															
1.	Methods and Techniques in Cartography	Geodesy			Com	Com	1		1	1		1	2	2	4	V	C
C. Complementary disciplines																	
1 ST SEMESTER		2 nd SEMESTER															
1.	Introduction to GIS	Remote Sensing			Com	Com	-		1	2		2	2	4	6	V	E

2.	General Geology		Com	-	2		1				3	-	3	C	-		
3.		GIS*	-	Op				-		2		3	3	-	V		
		Digital Cartography*	-	Op						2		3	3	-	V		
4.		Geology of Romania	-	EL				2		1		2	2	-	V		
5.	Foreign Language	Foreign Language	EL	EL	-		2	-		2	2	2	4	C	C		
6.	Physical Education	Physical Education	EL	EL	-		2	-		2	-	2	2	-	V		
7.	Applied Activities**	Applied Activities**	EL	EL	-	-	2	-	-	2	2	2	4	C	C		
D. Fieldwork - 1week (5 working days* 8 hours + 2 hours assessment = 42 hours) - 2 nd semester			-	Com	-		-	-		3	-	2	2	-	C		
TOTAL HOURS, CREDITS, FORMS OF ASSESSMENT							14		12	12		14	30	30	60	3E, 4C, 2V	4E, 4C, 2V

* One discipline out of the two suggested

**Possible to be thought as a module

Type of hours: C - course, S- seminar, L - practical work/laboratory

Discipline status: Com - Compulsory; Op - Optional; EL - Elective

Type of assessment: C - colloquy E - exam; V - test

RECTOR,
Prof. univ. dr. Marian PREDA

DECAN,
Prof. univ. dr. Alexandru NEDELEA

University of Bucharest
Faculty of Geography

CURRICULUM
FIELD OF STUDY: **GEOGRAPHY**
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STUDY PROGRAMME: Cartography
Year of study: **II (2020 - 2021)**
TYPE OF PROGRAMME - FULL TIME

No:	DISCIPLINE TITLE	DISCIPLINE STATUS		Hours						CREDITS			TYPE OF ASSESSMENT	
		I	II	1st semester			2nd semester			1st semester	2nd semester	Total	1st semester	2nd semester
A. Core disciplines		I	II	C	S	L	C	S	L					
1ST SEMESTER		2ND SEMESTER												
1	Geomorphology (agents and processes)	Com	Com	2	-	2	2		2	5	4	9	E	E

2	Geography of Soils	Biogeography	Co m	Co m	2	-	2	2	2	-	4	4	8	E	C		
3	Geodemography*	Geography of Human Settlements*	Op	Op	2	1		2	1	-	4	4	8	C	E		
	Population Geography*	Geography of Human Habitats*	Op	Op	2	1		2	1	-	4	4	8	C	E		
4	Photogrammetry		Co m	-	2	-	2			-	5	-	5	E	-		
B. Specific disciplines																	
1	Cadastral	Cadastral Legislation	Co m	Co m	2	-	1	2	-	2	4	3	7	E	E		
2	Analysis and Interpretation of Satellite Imagery	Specific Cadastral	Co m	Co m	2	-	2	1	-	2	4	4	8	C	E		
3	Special Issues in Topography*	Computerized Cartography*	Op	Op	1	-	2	2	-	2	2	3	5	V	E		
	Mathematical Cartography*	Geomorphic Mapping Methodology*	Op	Op	1	-	2	2	-	2	2	3	5	V	E		
4		Microscale Application of GIS	Op	Op	-	-	-	1	-	2	-	2	2	-	C		
		Statistical Cartographic Techniques	Op	Op	-	-	-	1	-	2	-	2	2	-	C		
C. Complementary disciplines																	
1	An introduction to Thematic Cartography *	Mathematics*	Op	Op	1	-	1	-	-	1	2	2	4	V	V		
	Ethics and Academic Integrity*	Geostatistics*	Op	Op	1	-	1	-	-	1	2	2	4	V	V		
2	Foreign Language	Foreign Language	EL	EL	-	2	-	-	2	-	-	2	2	C	C		
3	Physical Education	Physical Education	EL	EL	-	-	2	-	-	2	-	2	2	-	V		
4	Aplied Activities**	Aplied Activities**	EL	EL	-	-	2	-	-	2	2	2	4	C	C		
D	Fieldwork – 2 weeks (10 working days * 8 hours + 4 hours assessment = 84 hours); Bachelor paper preparation fieldwork (5 working days * 8 hours + 2 hours assessment = 42 hours) – 2 nd semester			Co m						9	-	4	4	-	V		
TOTAL HOURS, CREDITS, FORMS OF ASSESSMENT																	
							1	1	1	1	3	1	30	30	60	4E, 2C, 2V	5E, 2C, 2V
							4		2	2		1					

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				1st semester			2nd semester			1st semester	2nd semester	Total	1st semester	2nd semester		
1 ST SEMESTER		2 ND SEMESTER		I	II	C	S	L	C	S	L					
A. Core disciplines																
1.	Environmental Geography			Com	-	2	1	-			-	4		4	C	-
2.	Regional Geography of Romania (Carpathians and Sub-Carpathians)	Regional Geography of Romania (Hills, Plateaus and Plains)		Com	Com	2	2	-	2	2	-	4	5	9	E	E
3.	Geography of Continents			Com		2	-	2	-	-	-	3	-	3	C	-
4.	-	Methods and Techniques in Geographical Data Analysis		-	EL	2	1					-	2	2	-	V
B. Specific disciplines																
1.	Advanced Geographical Information Systems	Computerized Design		Com	Com	2	-	2	1	-	2	4	4	8	C	C

2	Physical Geography of Romania (morpho-structure and relief)	Physical Geography of Romania (climate, waters, vegetation, soils)	Com	Com	2	2	-	2		2	5	5	10	E	C		
3	Human Geography of Romania (population and settlements)	Human Geography of Romania (economy)	Com	Com	2	1	-	2	1	-	4	4	8	V	V		
4	Cartography and Management of Geographic Risk Phenomena	-	Com	-	1	1	-			-	3	-	3	V	-		
5.	Geodesy and Global Positioning Systems (GPS)*	Dynamic Geomorphology*	Op	Op	2	-	1	2	-	2	3	4	7	E	E		
	GLCoal Positioning Systems*	Geomorphic and Pedological Cartography*	Op	Op	2	-	1	2	-	2	3	4	7	E	E		
6.	Spatial Databases	Cartographic Standards	EL	EL	1		1	1		1	2	2	4	V	V		
C. Complementary disciplines																	
1.	-	Geographic Toponymy	-	Com				2	2			4	4	-	C		
D. Bachelor paper preparation fieldwork			-	Com	-		-	-	-	48	-	4	4	-	V		
TOTAL HOURS, CREDITS, ASSESSMENT							1	7	5	1	5	6	30	30	60	3E, 3C, 2V	2E, 3C, 2V
							5										

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