

CURRICULUM

Field of Study: GEOGRAPHY

POSTGRADUATE / MASTER

STUDY PROGRAMME: GEOMORPHOLOGY AND CARTOGRAPHY WITH ELEMENTS OF CADASTRE

Year of study: I 2020 – 2021

TYPE OF PROGRAMME – FULL TIME

NO.	DISCIPLINE TITLE	HOURS						CREDITS			TYPE OF ASSESSMENT	
		1st semester			2nd semester			1 st semester	2 nd semester	Total	1 st semester	2 nd semester
		C	S	L	C	S	L					
Compulsory disciplines												
1.	Slope morphodynamics. Riverbed morphodynamics.	2		2	2	-	2	5	5	10	E	E
2.	Thematic cartography. Geographic Information Systems in Cartography and Cadastre	2		2	1	-	2	5	5	10	V	E
3.	Digital relief modelling and susceptibility analysis	1		2	-	-	-	5	-	5	E	-
4.	Land degradation prevention and control measures	-	-	-	2	-	2	-	5	5	-	C
5.	Multicriteria analysis in geomorphology	-		-	2	-	2	-	6	6	-	E
6.	Cadastral system in local administration activity	2	-	2		-	-	5		5	E	-
7.	Ethics and academic integrity	1	-	-	-	-	-	2	-	2	V	-
8.	Professional training			3			3	4	4	8	V	V
Optional disciplines*												
1.	Global morphoclimatic changes	-	-	-	2	-	2	-	5	5	-	E
2.	Agricultural land evaluation	-		-	2	-	2		5	5	-	E
3.	Field geomorphic research management	1	-	2	-	-	-	4	-	4	C	-
4.	Geomorphology of Romania. Special issues	1	-	2	-	-	-	4	-	4	C	-
TOTAL HOURS, CREDITS, ASSESSMENT ACTIVITIES		9	-	10	9	-	10	30	30	60	3E, 1C, 3V	4E, 1C, 1V
Elective disciplines												
1.	Cadastre and GIS applications	1	-	2	-	-	-	3		3	C	-
2.	Fieldwork. Applied Geomorphology	-	-	2	-	-	2	4	4	8	V	C
3.	Global environmental changes	2	-	2	-	-	-	5	-	5	E	-
4.	Applied activities**	-	-	2	-	-	2	2	2	4	C	C
Prerequisites for bachelor graduates in fields other than geography:												
1.	Cartography with elements of topography	2	-	2	-	-	-	4	-	4	E	-
2.	Geomorphology	-	-	-	2	-	2	-	4	4	-	E
3.	General geography	2	2	-	-	-	-	4	-	4	C	-

*Students will choose one of the two proposed disciplines

**Possible to taught as a module

The timetable will be taught as a module

C – course S – seminar L- practical work/laboratory C – colloquy E – exam V- test

RECTOR,
 Prof. univ. dr. Marian PREDA

DECAN,
 Prof. univ. dr. Alexandru NEDELEA

UNIVERSITY OF BUCHAREST
 FACULTY OF GEOGRAPHY
 DEPARTMENT OF GEOMORPHOLOGY – PEDOLOGY – GEOMATICS

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		C	S	L	C	S	L					
Compulsory disciplines												
1.	Photogrammetry for cartography and cadastre	2	-	2	-	-	-	7	-	7	E	-
2.	Morphohydrography of small catchments	-	-	-	2	-	2	-	7	7	-	E
3.	Quaternary rock deposits	-	-	-	2	-	2	-	6	6	-	C
5.	Environmental geomorphology	2	-	2	-	-	-	7	-	7	E	-
6.	Identification and monitoring of geomorphological risks by satellite radar remote sensing	-	-	-	1	-	2	-	4	4	-	E
7.	Geomorphometry	2	-	2	-	-	-	7	-	7	E	-
8.	Mountain area – mapping, evaluation and development	-	-	-	1	-	1	-	4	4	-	E
9.	Dissertation Paper Preparing Fieldwork			3			3	5	5	10	V	V
Optional disciplines*												
1.	Land improvements systems. Territorial planning	2	-	2	-	-	-	4	-	4	C	-
2.	Cartographic relief analysis	2	-	2	-	-	-	4	-	4	C	-
3.	Applied statistics in geomorphology, cartography and cadastre	-	-	-	1	-	1	-	4	4	-	C
4.	Graphic and cartographic representation for territorial dynamics analysis	-	-	-	1	-	1	-	4	4	-	C
TOTAL HOURS, CREDITS, ASSESSMENT ACTIVITIES		8	-	8	7	-	8	30	30	60	3E, 2C, 1V	2E, 3C, 1V
Elective disciplines												
1.	Cartographic projections	1	-	2	-	-	-	4	-	4	V	-
2.	Research project management	2		2	-	-	-	6	-	6	C	-
3.	Standardization of geospatial data	-	-	-	2	-	2	-	5	5	-	E
	Applied activities**	-	-	2	-	-	-	2	-	2	C	-
Prerequisites for bachelor graduates in fields other than geography:												
1.	General cadastre issues	2	-	2	-	-	-	4	-	4	E	-
2.	Geographic Information Systems project design	1	-	2	-	-	-	6	-	6	C	-

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