

CURRICULUM
 Field of Study: **GEOGRAPHY**
POSTGRADUATE / MASTER
 Study programme: **GEOGRAPHIC INFORMATION SYSTEMS**
 Year of study: **I 2020-2021**
TYPE OF PROGRAMME: full-time

No.	DISCIPLINE TITLE	HOURS						CREDITS			TYPE OF ASSESSEMENT	
		1 st semester			2 nd semester			1 st semester	2 nd semester	Total	1 st semester	2 nd semester
		C	S	L	C	S	L					
Compulsory disciplines												
1.	Elements of digital photogrammetry	2	-	2	-	-	-	6	-	6	E	-
2.	Remote sensing applications for GIS	-	-	-	2	-	2	-	7	7	-	E
3.	Applied GIS in historical cartography	2	-	1	-	-	-	5	-	5	E	-
4.	Programming languages in GIS	-	-	-	2	-	2	-	7	7	-	E
5.	Geographic databases	2	-	2	-	-	-	6	-	6	E	-
6.	Geomorphometry	-	-	-	1	-	2	-	6	6	-	E
7.	Global positioning systems	1	-	2	-	-	-	5	-	5	C	-
8.	Collection and processing of geographic information	-	-	-	2	-	1	-	4	4	-	C
9.	Academic ethics and integrity	1	-	-	-	-	-	2	-	2	V	-
10.	Professional training	-	-	3	-	-	3	2	2	4	V	V
Optional disciplines												
1.	Research projects management*	1	-	2	-	-	-	4	-	4	C	-
	Geographic Information System projects design*	1	-	2	-	-	-	4	-	4	C	-
2.	3D visualization of geographical reality*	-	-	-	2	-	2	-	4	4	-	C
	Introductory issues in interferometry*	-	-	-	2	-	2	-	4	4	-	C
Elective disciplines												
1.	Applicative activities**	-	-	2	-	-	2	2	2	4	C	C
TOTAL HOURS, CREDITS, ASSESSMENT ACTIVITIES		9	-	9	9	-	9	30	30	60	3E, 2C,2V	3E, 2C,1V
Prerequisites for bachelor graduates in fields other than geography:												
1.	Geographic Information Systems	-	-	2	-	-	-	4	-	4	C	-
2.	Remote sensing – notions and principles	-	-	-	2	-	2	-	-	4	-	E
*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,
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 FACULTY OF GEOGRAPHY
 DEPARTMENT OF GEOMORPHOLOGY – PEDOLOGY – GEOMATICS

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No.	DISCIPLINES	HOURS						CREDITS			TYPE OF ASSESSEMENT	
		1 st semester			2 nd semester			1 st semester	2 nd semester	Total	1 st semester	2 nd semester
		C	S	L	C	S	L					
Compulsory disciplines												
1.	Standardization of geospatial data	1	-	2	-	-	-	5	-	5	E	-
2.	Spatial analysis system	-	-	-	1	-	2	-	7	7	-	E
3.	Graphical techniques in GIS	-	-	-	2	-	2	-	6	6	-	E
4.	WEB-based cartographic services	1	-	2	-	-	-	5	-	5	C	-
5.	GIS applications for agricultural lands economic classification	1	-	2	-	-	-	6	-	6	E	-
6.	GIS applications in meteorology and hydrology	2	-	2	-	-	-	6	-	6	E	-
7.	Radar remote sensing elements	-	-	-	2	-	1	-	4	4	-	E
8.	Dissertation Paper Preparing Fieldwork	-	-	3	-	-	4	4	6	10	V	V
Optional disciplines												
1.	Location based services*	1	-	2	-	-	-	4	-	4	C	-
	GIS applications in urban and territorial planning*	1	-	2	-	-	-	4	-	4	C	-
2.	Geospatial data sources*	-	-	-	1	-	2	-	7	7	-	C
	GIS project management*	-	-	-	1	-	2	-	7	7	-	C
Facultative/dispensable disciplines												
1.	Applied activities**	-	-	2	-	-	-	2	-	2	C	-
TOTAL HOURS, CREDITS, ASSESSMENT ACTIVITIES		6	-	10	6	-	7	30	30	60	3E, 2C, 1V	3E, 1C, 1V
Prerequisites for bachelor graduates in fields other than geography:												
1.	Geomorphology	2	-	2	-	-	-	4	-	4	E	-
2.	Cartography	-	-	-	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												

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