

**Standard Master program in Physical Geography
(Cartography, Remote sensing and GIS)**

(Dated October 29th, 2015)

The total minimum required number of credits:	64 credits
- General courses (required):	07 credits
- Fundamental and core courses:	39 credits
+ Required:	18 credits
+ Elective:	21/42 credits
- Master thesis:	18 credits

Available curriculum

No	Code	Subjects	Credits	Credit hours (Lecture/Prac- tice/Self-study)	Prerequisite
I	General courses		7		
1.	PHI5001	<i>Philosophy</i>	3	45 (30/15/0)	
2.	ENG5001	<i>General English</i>	4	60 (30/30/0)	
II	Fundamental and core courses		39		
II.1.	Required		18		
3.	ENG6001	<i>English for Academic Purposes</i>	3		
II.1.a	Fundamental courses		9		
4.	GEO6001	<i>Research Methods and Evaluation in Geography</i>	3	45 (20/20/5)	
5.	GEO6002	<i>Remote Sensing and GIS in Management of Natural Resources and Environment</i>	3	45 (20/20/5)	GEO6001
6.	GEO6003	<i>Resources, Environment</i>	3	45 (20/20/5)	GEO6001

No	Code	Subjects	Credits	Credit hours (Lecture/Practice/Self-study)	Prerequisite
		<i>and Sustainable Development</i>			
II.1.b	Core courses				
7.	GEO6047	<i>Advanced Remote Sensing</i>	3	45 (20/15/10)	GEO6001 GEO6002
8.	GEO6048	<i>Advanced GIS</i>	3	45 (20/15/10)	GEO6001 GEO6002
II.2.	Elective		21/42		
II.2.a.	Fundamental courses		12/24		
9.	GEO6004	<i>Regional Planning and Territorial Organization</i>	3	45 (25/15/5)	GEO6001
10.	GEO6005	<i>Forecasting and Management of Natural Resources</i>	3	45 (25/15/5)	GEO6001
11.	GEO6006	<i>Analysis of Policy for Management of Resources and Environment</i>	3	45 (30/10/5)	GEO6001
12.	GEO6007	<i>Risk Assessment and Disaster Management</i>	3	45 (30/10/5)	GEO6001
13.	GEO6008	<i>Natural Resources Rational Use and Environment Conservation</i>	3	45 (30/10/5)	GEO6001 GEO6003
14.	GEO6009	<i>Applied Geomorphology for Territorial Planning and Management</i>	3	45 (20/20/5)	GEO6001
15.	GEO6010	<i>Modern Geography</i>	3	45 (20/15/10)	GEO6001
16.	GEO6011	<i>Advanced Cartography</i>	3	45 (20/20/5)	GEO6001
II.2.b.	Core courses		9/18		
17.	GEO6046	<i>Map Analysis and Advanced Spatial Analysis</i>	3	45 (20/15/10)	GEO6001
18.	GEO6049	<i>Applied Geoinformatics for Society and Environment</i>	3	45 (20/15/10)	GEO6001 GEO6002 GEO6003
19.	GEO6050	<i>Thermal and Radar Remote sensing</i>	3	45 (20/15/10)	GEO6001 GEO6002

No	Code	Subjects	Credits	Credit hours (Lecture/Practice/Self-study)	Prerequisite
20.	GEO6051	<i>3D Modeling and Animation</i>	3	45 (20/15/10)	GEO6001 GEO6002
21.	GEO6052	<i>Hyperspectral and Laser Remote sensing</i>	3	45 (20/15/10)	GEO6001 GEO6002
22.	GEO6053	<i>Internet GIS and Mobile Mapping</i>	3	45 (20/15/10)	GEO6001 GEO6002
23.	GEO6054	<i>GIS database and standardization</i>	3	45 (20/15/10)	GEO6001 GEO6002
III	<i>Master Thesis</i>		18		
24.	GEO7204	<i>Master thesis</i>	18		
Total			64		