

DEGREE IN GEODESY AND CARTOGRAPHY

YEAR	SEMESTER	CODE	SUBJECT	CREDITS	KIND OF SUBJECT
1	1	106000	Mathematical Foundations of Engineering I	6	Basic Education
		106001	Cartography	6	Obligatory
		106002	Introduction to Geomatics	3	Obligatory
		106003	Graphic Expression	9	Basic Education
	106004	Mechanics and Waves	6	Basic Education	
	2	106005	Mathematical Foundations of Engineering II	6	Basic Education
		106006	Computing	6	Basic Education
		106007	Optics and Electromagnetism	6	Basic Education
		106008	Geomorphology	6	Basic Education
106009		Surveying Instrumentation and Observations	6	Obligatory	
2	1	106010	Mathematical Foundations of Engineering III	6	Basic Education
		106011	Set Observations	6	Obligatory
		106012	Statistics	6	Basic Education
		106013	Principles of Photogrammetry and Remote Sensing	6	Obligatory
	106014	Databases	6	Basic Education	
	2	106015	Mathematical Models in Photogrammetry and Remote Sensing	6	Obligatory
		106016	Organization and Business Management	6	Basic Education
		106017	Cartographic Design and Production	6	Obligatory
		106018	Topographic methods	6	Obligatory
		106019	Geophysics	3	Obligatory
106020		Mathematical cartography	3	Obligatory	
3	1	106021	Topography for Engineering	6	Obligatory
		106022	Geographic Information Systems (GIS)	6	Obligatory
		106023	Cadastral	6	Obligatory
		106024	Expansion of Photogrammetry and Remote Sensing	6	Obligatory
		106025	Geometric Geodesy	6	Obligatory
	2	106026	Space Geodesy	6	Obligatory
		106027	Spatial Data Infrastructure	6	Obligatory
		106028	Urban and Regional Planning	6	Obligatory
		106029	Civil Engineering	6	Obligatory
		106030	Field Practice	6	Obligatory
4	1	106031	Legislation and Environmental Engineering	6	Obligatory
		106032	Physical Geodesy	6	Obligatory
		106033	Occupational Safety	3	Obligatory
		106034	Geomatics and Engineering Projects	6	Obligatory
			Elective 1	3	Elective
			Elective 2	3	Elective
			Elective 3	3	Elective
	2	106035	Special topographies	3	Obligatory
		106036	Management and Applications IDE	6	Obligatory
		106037	Applications of Geomatics Engineering	6	Obligatory
		106038	Geomatics Terrain Analysis	3	Obligatory
		106039	Final Project	12	FP

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106040	Geological Mapping of Engineering Projects	3	Elective
106041	Advanced programming	3	Elective
106042	Geometric Analysis and Control of Deformation	3	Elective
106043	Mathematical Modelling in Engineering	3	Elective
106044	GeoWeb	3	Elective
106045	Automated Design Works	3	Elective
106046	English	3	Elective