

Basic (95h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS
Introduction to geomatics and GIS	IGG	25	All topics
Spatial Databases & data management	SDBM	35	All topics
Spatial data capture and data harmonisation	SDCH	35	All topics

Advanced* (100h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS	PREREQUISITES
Spatial analysis	SA <u>STREAM I</u> SAI <u>STREAM II</u> SAII	50	GIS Spatial analysis for various applications Spatial data management <u>STREAM I</u> Spatial Simulation and modelling <u>STREAM II</u> Spatio-political Analysis Spatial Econometrics	Basic Courses
Remote Sensing	RS	50	Remote Sensing GIS Remote devices AUV/UAV Spatial Analysis for Various Applications Spatial data capture and Infrastructures	Basic Courses
Land Surveying	LSV	50	Land Surveying Spatial Data Capture and Infrastructures	Basic Courses
Programming in geoprocessing	PGP	50	Remote Sensing GIS Spatial Analysis for Various Applications Land Surveying	Basic Courses

*The module *Spatial Analysis* is mandatory for all L5 students. Also, they will choose 1 additional module from the 3 remaining advanced courses. The module *Spatial Analysis* contains two streams (*STREAM I* and *STREAM II*) that the students can choose from.

Applications** (105h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS	PREREQUISITES
Advanced methods for spatial Applications	AMSA	35	GIS Spatial Analysis for Various Applications Remote Sensing Spatial data capture and Infrastructures	Basic Courses Spatial Analysis
Urban Analytics and Smart Cities	UASC	35	GIS Spatial Analysis for Various Applications Spatial data capture and Infrastructures Spatial simulation and modelling	Basic Courses Spatial Analysis (COURSE I)
Aerial Photography and image processing	APIP	35	Remote device pilot/controller Remote Sensing Land Surveying Spatial data capture and Infrastructures	Basic Courses Spatial Analysis Remote Sensing

Marine Bathymetry and Analysis of bathymetric surveys	ABS	35	Bathymetric Analysis Land Surveying	Basic Courses Spatial Analysis
Geographic Information for management staff	GIM	35	GIS Spatial analysis for various applications Geographic Information for management staff	Basic Courses Spatial Analysis

* The module *Advanced Methods of Spatial Applications* is mandatory, all the L5 students will have to attend, also, they will choose 2, additional module, of the 4 remaining application courses.