

Master Geomatics

List course packages 2024-2025 for EXCHANGE STUDENTS

In the [online course catalogue](#) and on the [website](#) you will find more detailed information on the courses. A manual to the study guide can be found via this link: [study guide manual](#).

Autumn semester*

Course Code	Subject Title	ECTS	Period
GEO1000	Python Programming for Geomatics	5	1
GEO1001	Sensing Technologies	5	1
GEO1002	Geographical Information Systems (GIS) and Cartography	5	1
GEO1003	Positioning and Location Awareness	5	2
GEO1015	Digital Terrain Modelling	5	2
GEO1006	Geo Database Management Systems	5	2
GEO5014	Geomatics as support for energy applications	5	1

Spring semester**

Course Code	Subject Title	ECTS	Period
GEO1004	3D-modelling of the Built Environment	5	3
GEO1009	Geo-information Governance	5	3
GEO1007	Geoweb technology	5	4
GEO1016	Photogrammetry and 3D Computer Vision	5	4
GEO5012	Land administration	5	3
GEO5015	Modelling wind and dispersion in urban environments	5	4
GEO5017	Machine learning for the built environment	5	3
ARFW0501	Applied Spatial Analysis for Sustainable Urban Development	5	4
ARFW0503	Urbidata: Responsible Design for Fair Data Cities	5	4

**The Autumn semester is accessible for students studying in the field of Geomatics Engineering & Surveying. From the courses offered a package of in total 25-30 ECTS can be chosen.*

***The SPRING semester requires the courses of the FALL semester or equal knowledge & skills based on a students' own educational programme: Python programming, Sensing Technologies, GIS & Cartography, Positioning and Location Awareness, Digital Terrain Modelling, and Geo-DataBase Management Systems.*