

Type	Semester	Environmental Engineering Track (LU)	Environmental Applications track (LU)	Natural resource management Track (ITC)	Responsible university
Compulsory	1	Introduction to GIS 15 ECTS			LU
Compulsory	1	Introduction to Remote Sensing 10 ECTS			UT/ITC
Compulsory	1	Systems approach for the Management of Natural Resources 7,5 ECTS			UT/ITC
Compulsory	2	GIS and statistics 5 ECTS			LU
Compulsory	2	Earth Observation for Natural Resources Management 7,5 ECTS			UT/ITC

Elective	2 and 3	Databases 7.5 ECTS	GIS and Climate change 7.5 ECTS	Geojournalism 5 ECTS	Depending on choice of electives
		Open source GIS 7.5 ECTS	GIS and Tourism 7.5 ECTS	SEA and EIA, applying spatial decision support tools 5 ECTS	
				Spatial biological modelling 5 ECTS	
		Programming in Python 5 ECTS	Spatial Data Infrastructure 5 ECTS	Web based estimates of food productivity for enhanced food security 5 ECTS	
		Internet GIS 7.5 ECTS	Hydrological modeling 7.5 ECTS	Climate change mitigation in forest ecosystems 7.5 ECTS	
				Entrepreneurial skills for Geo scientists 5 ECTS	
		Algorithms and GIS 7.5 ECTS	GIS and biodiversity 7.5 ECTS	Capita Selecta 5 ECTS	
Compulsory	3	Research skills and methods 5 ECTS			LU

Compulsory	3	Proposal writing, defence 5 ECTS			Coordinated by UT/ITC
Compulsory	4	Thesis 30 ECTS	Thesis 30 ECTS	Thesis 30 ECTS	all

Detailed overview of the programme, compulsory and elective courses.