Master of Geosciences

Mandatory Modules
Core Modules
Specialisation Modules
Elective Modules

Y1	**GEW-MM01** **Topics in Earth System Science (6)**	**GEW-MC03** **Data Analysis and Statistics (6)**	**GEW-MC07** **Geophysical Laboratory (6)**	**GEW-MC09** **Methods in Mineralogy and Petrology (6)** Micro-analytics and Data Analysis	**GEW-MF03** **Numerical Analysis and Modelling (6)** Remote Sensing of the Environment
	GEW-ME04 **Modern Trends in Geosciences (6)** Thematic Field School	**GEW-MC04** **Advanced Field Practical (6)**	**GEW-MF13** **Applied Geophysical Methods I (6)** Potential field methods	**GEW-MC09** **Methods in Mineralogy and Petrology (6)** Advanced lab methods	**GEW-MF03** **Numerical Analysis and Modelling (6)** Data Analysis in Earth and Environmental Sciences
Y2	**GEW-MM02** **Project Practical or Research Internship (12)**		**GEW-MF13** **Applied Geophysical Methods I (6)** Seismic methods	**GEW-ME05** **Geoscientific Data Science (6)** Advanced Spatial Analysis and Numerical Methods	**GEW-ME08** **Monitoring Techniques (6)** Earthquake and Volcano Remote Sensing
	Master Project and Thesis (30)				

Possible study schedule for students with a broad interest in *Geosciences* and, especially, in *methods to collect and analyze different kinds of geoscientific data*

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Y1	**GEW-MM01** **Topics in Earth System Science (6)**	**GEW-MC03** **Data Analysis and Statistics (6)**	**GEW-MC06** **Geophysical Inversion and Data Analysis (6)** Geophysical Inversion	**GEW-MC02** **Tectonics and Geodynamics (6)**	**GEW-MF03 Numerical Analysis and Modelling (6)** Remote Sensing of the Environment
	GEW-ME05 Geoscientific data science (6) Remote Sensing of Permafrost Regions	GEW-ME06 Special remote methods in Geosciences (6) Analysis of Digital Elevation Models	**GEW-MC06** **Geophysical Inversion and Data Analysis (6)** Data Analytics and Interpretation	**GEW-MF12** **Seismological Data Science (6)** Volcano Seismology	**GEW-MF03** **Numerical Analysis and Modelling (6)** Spatial analysis with numerical methods
Y2	GEW-MM02 Project Practical or Research Internship (12)		**GEW-ME08** **Monitoring techniques and data analysis in Geosciences (6)** Earthquake and Volcano Remote Sensing	**GEW-MF12** **Seismological Data Science (6)** Seismic Hazard	**GEW-ME07** **Special topics in Geosciences (6)** Coastal Dynamics
	Master Project and Thesis (30)				

Possible study schedule for students with a broad interest in *Geosciences* and, especially, in *Geomonitoring and Geohazards*