Appendix 1 to the departmental study and examination regulations for the Master's course 'Geomatics'
- Study and examination schedule

Module ID	Module name	Module type	Allocated semester	Teaching format	CH	Credits	Assessment	Graded/ relevant for final grade[2]
Compulsory elective modules in the general discipline								
GEO.21.002	Management in Business and Authorities	CEM	2	L	2	6	SCH120	yes/yes
				T	2			
GEO.21.045	IT Security	CEM	1	L	2	6	SCH120 or AHA15	yes/yes
				T	2			
GEO.21.049	German Language[1]	CEM	1	ST	4	6	AHA15 or AP20 or AP10	yes/no
Compulsory elective modules in the Geodesy discipline								
GEO.21.006	Physical Geodesy	CEM	1	L	2	6	M30 or SCH120	yes/yes
				S	2			
GEO.21.009	Real Estate Registry	CEM	2	L	2	6	M30	yes/yes
				S	2			
GEO.21.015	Engineering Geodesy	CEM	2	L	2	6	M30	yes/yes
				T	2			
GEO.21.016	Special Methods of Adjustment and Statistics	CEM	1	L	2	6	SCH120 or M30 or AHA50	yes/yes
				T	2			
GEO.21.031	Metrology	CEM	1	L	2	6	M30	yes/yes
				T	2			
GEO.21.032	Land Readjustment	CEM	2	L	2	6	M30	yes/yes
				S	2			
GEO.21.046	Unmanned Aerial Vehicles	CEM	1	L	2	6	SCH120	yes/yes
				T	1			
GEO.21.047	Advanced Surveying 1	CEM	1	L	2	6	M30	yes/yes
				S	2			
GEO.21.048	Advanced Surveying 2	CEM	2	L	2	6	M30	yes/yes
				S	2			
Compulsory elective modules in the discipline of Geoinformatics								
GEO.21.005	Spatial Databases	CEM	2	L	2	6	AHA15 and AP15	yes/yes
				T	2			
GEO.21.008	Spatial Data Infrastructure	CEM	1	L	2	6	M30	yes/yes
				T	2			
GEO.21.013	Computer Graphics Project in Geoscience	CEM	2	L	2	6	SCH120	yes/yes
				T	2			

GEO.21.017	GI Technologies	CEM	2	S	4	6	AHA15 and AP15	yes/yes
GEO.21.040	Remote Sensing	CEM	2	L	2	6	M30	yes/yes
				T	2			
GEO.21.050	GIS and remote sensing for sustainable land and risk management	CEM	1	L	1	6	AHA15 and AP15	yes/yes
				ST	2			
				T	1			
GEO.21.053	Earth Observation and Space Weather Impact	CEM	1	ST	2	6	AHA10 and AP30	yes/yes
Compulsory elective modules in the discipline of Informatics								
GEO.21.022	Data Mining	CEM	1	L	2	6	AHA8	yes/yes
				T	2			
GEO.21.026	Multimedia	CEM	1	L	2	6	AP	yes/yes
				T	2			
GEO.21.051	Software Engineering	CEM	1	ST	2	6	AP10 and AP30	yes/yes
GEO.21.033	Software Project	CEM	2	S	1	6	AP10 and AP30	yes/yes
GEO.21.034	Parallel Computing	CEM	2	ST	2	6	AP6 and AP15	yes/yes
				T	2			
Compulsory elective modules in the discipline of Mathematics								
GEO.21.001	Higher Mathematics	CEM	1	L	2	6	SCH120	yes/yes
				T	2			
GEO.21.025	Geostatistics	CEM	1	L	2	6	AHA15	yes/yes
				S	2			
GEO.21.028	Differential Geometry	CEM	2	L	2	6	SCH120	yes/yes
				S	2			
GEO.21.0??	Numerical Analysis	CEM	1	L	2	6	AP6 and AP15	yes/yes
				T	2			
Compulsory modules								
GEO.21.007	Application Project	CM	S 1–2	S	1	6	AP and AP15	no/no
GEO.21.090	Master's thesis with Master's colloquium	CM	3	-	-	30	MA60 and AKQ45	yes/yes

Explanations:

[1] Students without knowledge of the German language (less than GER B2 or equivalent) must complete the compulsory elective module 'German Language'.

Module type (abbreviations):
CM   =   compulsory module
CEM   =   compulsory elective module

Assessments (abbreviations):
SCH n   =   written assessment (written examination) in minutes
AHA   =   alternative assessment – assignment/research project/project work
AP   =   additional alternative assessments as per section 15 of the framework examination regulations and section 6 of the departmental examination regulations – type and scope is specified in the particular module description
M n   =   oral examination
MA   =   Master's thesis
AKQ   =   Master's colloquium

Teaching formats (abbreviations):
L   =   lecture
S   =   seminar
ST   =   tuition in seminars
T   =   tutorial

Sem.   =   semester
CH   =   semester credit hours

Credits = Credit points that are awarded in the module with successful completion of assessments; 1 credit ≙ 30 contact hours (student workload)