

Master Geomatics-Übersichtstabelle – SPO 7/8 - Stand 21.1.2019

Sem.		Modul	SWS	CP		Lehrveranstaltung	SWS	CP	SL/V	CP		PL	Dauer	CP
GMCM1	GMCM110	GIS & Databases	5	5	GMCM112	GIS (SL)	3	3	St/V	0,5	GMCM111	GIS and Databases (PL)	KI 120	4
					GMCM113	Databases (SL)	2	2	St/V	0,5				
	GMCM120	Object-Oriented & Web Programming	5	5	GMCM122	Object-Oriented Programming (SL)	3	3	St/V	0,5	GMCM121	Object-Oriented & Web Programming (PL)	KI 120	4
					GMCM123	Web Programming (SL)	2	2	St/V	0,5				
GMCM130	Language & Academic Writing	6	5	GMCM133	Language Courses from IfS	4	3			Nach Festlegungen des IfS				
				GMCM132	Academic Writing (SL)	2	2	St/V	0,5	GMCM131	Academic Writing (PL)	St	1,5	
(26) [30]	GMCE140	Pre-required Electives	10	15	GMCE151 to GMCE158	see Pre-required Elective Courses (5 to be selected)								
GMCM2	GMCM210	Software Engineering	4	6	GMCM212	Software Engineering (SL)	2	3	St/V	0,5	GMCM211	Software Engineering (PL)	MP 30	5
					GMCM213	Object-Oriented Programming 2 (SL)	2	3	St/V	0,5				
	GMCM220	Web Services & Monitoring	4	6	GMCM222	Programming for Geomonitoring (SL)	2	3	St/V	0,5	GMCM221	Programming for Geomonitoring (PL)	KL 60	2,5
					GMCM224	Web Processing Services (SL)	2	3	St/V	0,5				
	(20) [30]	GMCE230 to GMCE270	Electives	12	18	GMCE235 to GMCE275	see Elective Modules (3 to be selected)							
GMCM3	GMCM310	Geostatistics	4	6	GMCM315	Theory of Geostatistics	2	3			GMCM311	Geostatistics (PL)	KL 120	4
					GMCM312	Application of Geostatistical Methods (SL)	2	3	St/V	2				
	GMCM320	OpenSource GIS	4	6	GMCM325	Introduction to OpenSource GIS	2	3			GMCM321	Open Source GIS (PL)	KL 120	4
					GMCM322	Application of OpenSource GIS (SL)	2	3	St/V	2				
(20) [30]	GMCE330 to GMCE370	Electives	12	18	GMCE335 to GMCE375	see Elective Modules (3 to be selected)								
GMCM4	GMCM410	Seminar for Master Thesis	1 Mon	5										
	GMCM420	Master Thesis	5 Mon	22										
	GMCM430	Colloquium for Master Thesis		3										
[30]														

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Sem.		Pre-requisite for Modules			Lehrveranstaltung	SWS	CP	SL/V	CP		PL	Dauer	CP
Elective Courses		GMCE350			GMCE151 Remote Sensing and Digital Image Processing (SL)	2	3	St/V		GMCE141	Remote Sensing and Digital Image Processing (PL)	KI 60	3
					GMCE152 Photogrammetry and Computer Vision (SL)	2	3	St/V		GMCE142	Photogrammetry and Computer Vision (PL)	KI 60	3
		GMCE330			GMCE153 Thematic Cartography (SL)	2	3	St/V		GMCE143	Thematic Cartography (PL)	KI 60	3
		GMCE230			GMCE154 3D Visualization (SL)	2	3	St/V		GMCE144	3D Visualization (PL)	KI 60	3
		GMCE 270			GMCE155 Statistics and Adjustments (SL)	2	3	St/V		GMCE145	Statistics and Adjustments (PL)	KI 60	3
					GMCE156 Advanced Parameter Estimation (SL)	2	3	St/V		GMCE146	Advanced Parameter Estimation (PL)	KI 60	3
		GMCE360			GMCE157 Satellite Geodesy (SL)	2	3	St/V		GMCE147	Satellite Geodesy (PL)	KI 60	3
		GMCE240, GMCE340			GMCE158 Economics and Marketing (SL)	2	3	St/V		GMCE148	Economics and Marketing (PL)	KI 60	3

Sem.		Modul	SWS	CP	Lehrveranstaltung	SWS	CP	SL/V	CP		PL	Dauer	CP
Elective Modules	GMCE230	Virtual Reality	4	6	GMCE235 Virtual Reality	4				GMCE231	Virtual Reality (PA benotet)	PA 1 S	6
	GMCE240	Combining Space and Marketing	4	6	GMCE245 Combining Space and Marketing	4				GMCE241	Combining Space and Marketing (PA benotet)	PA 1 S	6
	GMCE250	Mobile Map Apps in Nature Conservation	4	6	GMCE255 Mobile Map Apps in Nature Conservation	4				GMCE251	Mobile Map Apps in Nature Conservation (PA benotet)	PA 1 S	6
	GMCE260	Intelligent Systems and Engineering Geodesy	4	6	GMCE265 Intelligent Systems and Engineering Geodesy	4				GMCE261	Intelligent Systems and Engineering Geodesy (PA benotet)	PA 1 S	6
	GMCE270	Building Information Modelling	4	6	GMCE275 Building Information Modelling	4				GMCE271	Building Information Modelling (PA benotet)	PA 1 S	6
	GMCE330	Space-Time Visualization of Statistical Data	4	6	GMCE335 Space-Time Visualization of Statistical Data	4				GMCE331	Space-Time Visualization of Statistical Data (PA benotet)	PA 1 S	6
	GMCE340	LBS for Business	4	6	GMCE345 LBS for Business	4				GMCE341	LBS for Business (PA benotet)	PA 1 S	6
	GMCE350	Satellite Image Change Detection	4	6	GMCE355 Satellite Image Change Detection	4				GMCE351	Satellite Image Change Detection (PA benotet)	PA 1 S	6
	GMCE360	Physical and Mathematical Geodesy	4	6	GMCE365 Physical Geodesy	2				GMCE361	Physical and Mathematical Geodesy (PA benotet & PL)	PA 1/3S KL 120	6
					GMCE366 Mathematical Geodesy	2							
GMCE370	Navigation Technologies and Mobile GIS	4	6	GMCE375 Navigation Technologies and Mobile GIS	4				GMCE371	Navigation Technologies and Mobile GIS (PA benotet)	PA 1 S	6	

SL/V = Studienleistung / Prüfungsvorleistung (unbenotet)

PL = Prüfungsleistung

üPL = übergreifende Prüfungsleistung

KI = Klausur

St = Studienarbeit

La = Laborarbeit

PE = Pflichtexkursion

Re = Referat

MP = Mündliche Prüfung

PA = Praktische Arbeit

T = Tage

V = Zulassungsvoraussetzung für PL