

M.Sc. „Hydrogeology and Environmental Geoscience“					
bisher		äquivalent			
Nr.	Titel	LV	Doz.	Modul #	Basic
				M-B-00	General Tools
				TM 1	Mathematics and Basic Statistics
				TM 2	Scientific Programming
				TM 3	Literature Review
					OR: Computer Project
				M-B-01	Geology
				TM 1	Fundamentals of Geology
				TM 2	Quaternary Geology
				TM 3	Geology of Aquifersystems
				M-B-02	Hydrology
				TM 1	Applied Statistics in Hydrology
				TM 2	Surface Water Hydrology
				TM 3	Unsaturated Zone Processes
				TM 4	Remote Sensing
				M-B-03	Hydrogeology I
	Hydrogeologie		Sauter	TM 1	Introduction to Hydrogeology
	Feldmethoden zur Hydrogeologie		Ptak	TM 2	Field Seminar
				M-B-04	Hydrogeology II
				TM 1	Isotope Hydrology
	Spezielle Methoden der Geohydraulik		Brauchler	TM 2	Advanced Hydrogeological Investigation Techniques
				TM 3	Well Design and Construction
				M-B-05	Geophysics
				TM 1	Applied Geophysics and Hydrogeophysics
				TM 2	Geophysical Field Seminar
				M-B-06	Hydrogeochemistry
	Hydrogeochemie natürlicher Grundwässer		Sauter	TM 1	Inorganic Hydrogeochemistry
	Hydrogeochemie organischer Wasserinhaltsstoffe (bisherige LV geteilt und erweitert)		Licha	TM 2	Hydrogeochemistry of Organic Contaminants
	Praktikum Hydrochemie		Reimer/ Karius	TM 3	Practical with field work and data interpretation/modeling
					3.1 Field work/sampling
					3.2 Data acquisition / chemical analysis
					3.3 Hydrogeochemical modeling

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Nr.	Titel	LV	Doz.	Modul #		Specialisation
				M-A-01		Systems Modeling
					TM 1	Spatial Analysis and Geostatistical Simulation
					TM 2	Applied Operations Research
					TM 3	Surface Water Modeling
				M-A-02		Groundwater Modeling
	Grundwasserströmungsmodellierung		Sauter/Ptak		TM 1	Groundwater Flow and Transport Modeling
					TM 2	Advanced Modeling Techniques
				M-A-03		Geothermal Energy
					TM 1	Deep Geothermics
					TM 2	Shallow Geothermics
	Fluidtransport in bruchkontrollierten Reservoiren		Philipp		TM 3	Case Studies in Geothermics (nicht korrekt) korrekt: Fluidtransport in Reservoirs
				M-A-04		Water Pollution Control and Environment
					TM 1	Environmental Geochemistry
	Hydrogeochemie organischer Wasserinhaltsstoffe (bisherige LV geteilt und erweitert)		Licha		TM 2	Contaminants and Treatment Technologies
					TM 3	Saline Goundwater
					TM 4	Basin Scale Mass Flow
				M-A-05		Environmental Monitoring and Remediation
					TM 1	Environmental Risk Assessment
					TM 2	Investigation Techniques and Monitoring
					TM 3	Innovative Remediation Techniques and Waste Deposal
				M-A-06		Integrated Water Resources Management
					TM 1	Water Resources Planning and Management
					TM 2	Ecological Sustainability in Water Resources
					TM 3	Urban Hydrology and Groundwater Management
					TM 4	Environmental Impact Assessment