Module	Urban Soil Science	
Faculty	Agricultural Sciences and Landscape Architecture (A&L)	
Module ID	44066777	
Study	Soils, Inland Waters, Contaminated Land (M.Sc.)	
Programme		
Level	Master	
Course	1. Sources of urban soil contamination	
content	2. Technogenic substrates	
	3. Anthrosols	
	4. Technosols	
	5. Soils of built-up areas	
	5.1 Chemical properties	
	5.2 Physical properties	
	6. Dumpsites	
	7. Mining areas	
	8. Dredged sludge fields	
	9. Pedogenesis	
Course	Broadening of knowledge	
description	The students know the specific physicochemical features of soils and substrates of	
	urban-industrial agglomeration areas and have a detailed knowledge about the	
	pollutant analytics of these areas.	
	Skill – instrumental expertise	
	Students categorise and assess data which are collected in laboratory and field.	
	Skill – communicative expertise Students evaluate and differentiate data for the inventory central of urban soil and	
	Students evaluate and differentiate data for the inventory control of urban soil and contaminated land. They summarise the data in form of a report and put the	
	results in relation to unpolluted comparable areas. The work is done in small	
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	groups. Skill – systematical expertise	
	They change and modify case-related scientific methods of field inquiry. The work	
	is done with regard to the research intentions of the lecturer.	
Teaching/	lecture; field exercise and laboratory work in small groups	
study		
methods		
Credits	5	
Teaching /	15	lectures
study	15	exercises
concepts	30	preparation/ postprocessing
	15	exam preparation
	75	group work
Responsible	Meuser, Helmut	0 1 111111
professor	,	
Last update	11.06.2012	