Anlage:
Studien- und Prüfungsplan Master Process Safety and Environmental Engineering

	1. Semester			2. Semester			3. Semester			4. Semester		
	CP	SWS	PA	CP	SWS	PA	CP	SWS	PA	CP	SWS	PA
Compulsory Coursework												
Module 1 – Thermal Process Engineering	5	2-2-0	K120									
Module 2 –Advanced Heat and Mass Transfer				5	2-2-0	K120						
Module 3 – Chemical Reaction Engineering				5	2-2-0	K120						
Module 4 – Plant Design												
Plant Design and Process Safety							5	2-2-0	K240			
Introduction to Nuclear Plant Design and Safety							3	2-0-0				
Simulation Lab							2	0-2-0				
Module 5 – Hazardous Properties of Materials			K240									
Hazardous Materials and Safety	3	2-0-0										
Characteristics	4	2-1-0										
Dispersion of Hazardous Materials												
Industrial Explosion Protection	3	2-0-0										
Module 6 – Technical Risks and Risk Assessment						K240						
Methods of Risk Analysis				4	2-1-0							
Fire Protection in Industrial Facilities				4	2-1-0							
Safety Seminar	2	0-1-1	P/F									
Module 7 – Environmental Engineering						K240						
Air Pollution Control				4	2-1-0							
Waste Water and Sludge Treatment	4	2-1-0										
Excursion (Environmental)	2	0-1-1	P/F									
Module 8 – Process Safety												
Legal Issues in Plant Operation and Process Safety				3	2-0-0							
Excursion (Safety)				2	0-1-1							
Module 9 –												
Environmental Science Research Project							10					
Elective Coursework												
Module 10 – Elective Courses	7			3			10					
Module 11 – Master Thesis										30		KO
Sum	30			30			30					