Course of Study Process Engineering (Study Cohort w24)

manla anima alam A. Manhan Duanana E. Statut					Core Qualification Compulsory Specialisation		
ample course plan A Master Process Engineerin	g (VIMS)				Core Qualification Elective Compulsory Specialisatio	in elective	Compulsory Focus Elective Compulsory Interdisciplinary complement
ecialisation Process Engineering							
Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project			Master Thesis
Advanced Particle Technology II	VL 2	Chemical Reaction Engineering	VL 2	Process Design Project	PK	6	
Advanced Particle Technology II	PBL 1	Chemical Reaction Engineering	HÜ 2				
Experimental Course Particle Technology	PR 3	Experimental Course Chemical Engineering	PR 2				
5							
Transport Processes		Bioprocess and Biosystems Engineering		Separation Technologies for	r Life Sciences		
Heat & Mass Transfer in Process Engineering	VL 2	Bioreactor Design and Operation	VL 2	Chromatographic Separation P		2	
Multiphase Flows Reactor decign under consideration of local transport processes	VL 2	Biosystems Engineering	VL 2 PBL 1	Unit Operations for Bio-Related		2	
Reactor design under consideration of local transport processes	PBL 2	Bioreactors and Biosystems Engineering	PBL 1	Unit Operations for Bio-Related	i Systems PBL	2	
1							
.2							
.3 Fluid Mechanics in Process Engineering		High Pressure Chemical Engineering		Process Modeling in Water			
4 Fluid Mechanics II	VL 2	Advanced Separation Processes	VL 2	Process Modeling in Drinking V		2	
Applications of Fluid Mechanics in Process Engineering	HŪ 2	Industrial Processes Under High Pressure High pressure plant and vessel design	VL 2 VL 2	Process Modelling of Wastewa	ter Treatment PBL	2	
.6		nigh pressure plant and vesser design	VL 2				
.7							
.8							
9 Process modeling and control		Process Simulation and Process Safety		Research Project Process E			
Process modeling and control Process modeling and control	VL 2 GÜ 3	CAPE with Computer Exercises Methods of Process Safety and Dangerous Substances	IV 3 VL 2	Research Project in Process En	gineering PBL	6	
Placess modeling and control	60 5	methods of Process Salety and Dangerous Substances	VL Z				
22							
23							
24							
25				Food Technology	VL	2	
26				Experimental Course: Brewing		2	
27							
28							
29							
30							
Business & Management (from catalogue) - 6LP							
	CL D						
Non-technical Courses for Master (from catalogue) -	OLP						

Focus Compulsory

on Compulsory

Thesis Compulsory

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.