Course of Study Process Engineering (Study Cohort w24)

Particle Technology and	Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project		Master thesis (dual study program)
Advanced Particle Technology		VL 2	Chemical Reaction Engineering	VL 2	Process Design Project	PK 6	master triesis (duar study program)
Advanced Particle Technolog		PBL 1	Chemical Reaction Engineering	HÜ 2			
Experimental Course Particle	Technology	PR 3	Experimental Course Chemical Engineering	PR 2			
Transport Processes			Bioprocess and Biosystems Engineering		Practical module 3 (dual study program, Master's degree)		
Heat & Mass Transfer in Pro	ess Engineering	VL 2	Bioreactor Design and Operation	VL 2	Practical term 3	0	
Multiphase Flows		VL 2	Biosystems Engineering	VL 2			
Reactor design under consid	eration of local transport processes	PBL 2	Bioreactors and Biosystems Engineering	PBL 1			
Fluid Mechanics in Proce	s Engineering		Practical module 2 (dual study program, Master's degree)				
Fluid Mechanics III Proce		VL 2	Practical fround 2 (dual study program, master's degree)	0			
Applications of Fluid Mechan	ics in Process Engineering	HŪ 2					
					Applied Thermodynamics: Thermodynamic Properties for Industria	al Applications	
					Applied Thermodynamics: Thermodynamic Properties for Industrial	VL 4	
Practical module 1 (dual	study program, Master's degree)				Applications Applied Thermodynamics: Thermodynamic Properties for Industrial	GÜ 2	
Practical term 1		0			Applications		
			Heterogeneous Catalysis		Synthesis and Design of Industrial Processes		
			Analysis and Design of Heterogeneous Catalytic Reactors Modern Methods in Heterogeneous Catalysis	VL 2 VL 2	Synthesis and Design of Industrial Facilities Industrial Plant Design and Economics	VL 1 PBL 3	
			Modern Methods in Heterogeneous Catalysis	PBL 2	industrial Fiant Design and Economics	FDL 3	
Process modeling and co		VL 2	Process Simulation and Process Safety CAPE with Computer Exercises	IV 3	Examples in Solid Process Engineering Fluidization Technology	VL 2	
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	Fluidization Technology Technical Applications of Particle Technology	VL 2 VL 2	
and the second			,		Practical Course Fluidization Technology	PR 1	
					Exercises in Fluidization Technology	GÜ 1	
					Research Project Process Engineering		
_					Research Project in Process Engineering	PBL 6	
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_	nent (from catalogue) - 6LP						

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