Course of Study Mechanical Engineering (Study Cohort w17)

	-		•			Core Qualification Compulsory		Focus Compuls			
mple course plan B Bachelor Mechanical Engineering (MBBS)					Core Qualification Elect		mpulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplin	Interdisciplinary complement	
ecialisation Theoretical Mechanical	ngineering 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs	
Production Engineering (part 1)	Production Engineering (part 2)		Advanced Mechanical Engineering Design	n (part 1)	Advanced Mechanical Enginee	ering Design (part 2)	Advanced Mechanical Design Project		Foundations of Management		
Production Engineering I VL	2 Production Engineering II	VL 2	Advanced Mechanical Engineering Design I	VL 2	Advanced Mechanical Engineering	g Design II VL 2	Advanced Mechanical Design Project	PBL 4	Introduction to Management	VL	
Production Engineering I HÜ	1 Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineering	g Design II HŪ 2			Management Tutorial	HÜ 2	
Computer Science for Mechanical Engineers	Fundamentals of Materials Science (part	2)	Mechanical Engineering: Design (part 1)		Mechanical Engineering: Desig	gn (part 2)					
Computer Science for Mechanical Engineers VL		VL 2	Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodology						
Computer Science for Mechanical Engineers GÜ	2 Fundamentals of Mechanical Engineering	Design	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3					
Computer Science for Mechanical Engineers HÜ	Fundamentals of Mechanical Engineering Desig										
	Fundamentals of Mechanical Engineering Desig		Basics of Electrical Engineering		Fluid Dynamics		Introduction to Control Systems		Mathematics IV		
			Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GŪ 2	Fluid Mechanics Fluid Mechanics	VL 3 HŪ 2	Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Complex Functions Complex Functions	VL 2 GŪ 1	
			Basics of Electrical Engineering	GU 2	Fluid Mechanics	HU 2	Introduction to Control Systems	GU 2	Complex Functions	HÜ 1	
Mathematics I									Differential Equations 2	VL 2	
	2								Differential Equations 2	GŪ 1	
Linear Algebra I VL Linear Algebra I GÜ	1								Differential Equations 2	HÜ 1	
Linear Algebra I HŪ	1 Technical Thermodynamics I										
Analysis I VL	2 Technical Thermodynamics I	VL 2	Technical Thermodynamics II		Mechanics IV (Kinetics II, Osci	llations, Analytical	Measurement Technology for Mechanica	and Process	Bachelor Thesis		
Analysis I GÜ		HÜ 1	Technical Thermodynamics II	VL 2	Mechanics, Multibody System		Engineers				
Analysis I HÜ	1 Technical Thermodynamics I	GÜ 1	Technical Thermodynamics II	HÜ 1	Mechanics IV	VL 3	Measurement Technology for Mechanical and	VL 2			
5			Technical Thermodynamics II	GÜ 1	Mechanics IV	GÜ 2	Process Engineers				
5					Mechanics IV	HŪ 1	Measurement Technology for Mechanical and	HÜ 1			
7							Process Engineers				
							Practical Course: Measurement and Control Systems	PR 2			
Mechanics I (Statics)	Mechanics II: Mechanics of Materials										
Mechanics I VL Mechanics I GÜ	2 Mechanics II 2 Mechanics II	VL 2 GÜ 2	Mathematics III		Fundamentals of Production a		Simulation and Design of Mechatronic Sy				
Mechanics I HŪ		HÜ 2	Analysis III	VL 2	Production Process Organization	VL 2	Simulation and Design of Mechatronic System				
			Analysis III	GŪ 1	Quality Management	VL 2	Simulation and Design of Mechatronic System				
			Analysis III Differential Equations 1	HÜ 1 VL 2			Simulation and Design of Mechatronic System	IS PR I			
2			Differential Equations 1	GÜ 1							
3			Differential Equations 1	HÜ 1							
Fundamentals of Materials Science (part 1)	Mathematics II										
Fundamentals of Materials Science I VL	2 Linear Algebra II	VL 2					Heat Transfer				
Physical and Chemical Basics of Materials Science VL	2 Linear Algebra II	GÜ 1					Heat Transfer	VL 3			
5	Linear Algebra II	HÜ 1					Heat Transfer	HÜ 2			
7	Analysis II	VL 2	Mechanics III (Hydrostatics, Kinematics, H								
Team Project MB	Analysis II	HÜ 1 GÜ 1	Mechanics III	VL 3							
Team Project MB TT	Analysis II 6	GU 1	Mechanics III	GŪ 2							
			Mechanics III	HÜ 1							
L											
2											
3											
	r Bachelors (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.