Course of Study Mechanical Engineering (Study Cohort w18)

											Compulsory	
	ple course plan A Bachelor Mechanical Engineering (MBBS)					Co	re Qualification Elective Con	Specialisation Elective Compulsory	Focus Elective	Compulsory Interdise	Interdisciplinary complement	
⊭ ecia	isation_Product Development_and_Pro	oduction	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	(part 1)	Advanced Mechanical Engineer	ing Design (part 2)	Advanced Mechanical Design Project		Foundations of Managemen	nt	
2	Production Engineering I VL 2	Production Engineering II	VL 2	Advanced Mechanical Engineering Design I	VL 2	Advanced Mechanical Engineering	Design II VL 2	Advanced Mechanical Design Project	PBL 4	Introduction to Management		VL 3
	Production Engineering I HŪ 1	Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineering	Design II HÜ 2			Management Tutorial		GŪ 2
	Computer Science for Mechanical Engineers	Fundamentals of Materials Science (part 2)		Mechanical Engineering: Design (part 1)		Mechanical Engineering: Design						
	Computer Science for Mechanical Engineers VL 3	Fundamentals of Materials Science II	VL 2	Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodology	PBL 2					
ò	Computer Science for Mechanical Engineers GÜ 2	Fundamentals of Mechanical Engineering De	sian	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3					
,		Fundamentals of Mechanical Engineering Design										
		Fundamentals of Mechanical Engineering Design		Basics of Electrical Engineering	VL 3	Fluid Dynamics Fluid Mechanics	VL 3	Introduction to Control Systems	VL 2	Integrated Product Develop Design	oment and Light	tweight
3				Basics of Electrical Engineering Basics of Electrical Engineering	GŪ 2	Fluid Mechanics	VL 3 HŪ 2	Introduction to Control Systems Introduction to Control Systems	GÜ 2	Integrated Product Developmer	nt I	VL 2
)				basics of Electrical Engineering	00 2	ridid mechanics	110 2	Indoduction to control systems	00 2	Development of Lightweight De		VL 2
0	Mathematics I									CAE-Team Project		PBL 2
	Linear Algebra I VL 2											
1	Linear Algebra I GÜ 1											
2	Linear Algebra I HŪ 1	Technical Thermodynamics I										
.3	Analysis I VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II		Mechanics IV (Kinetics II, Oscill	ations, Analytical	Measurement Technology for Mechanical	Engineers	Bachelor Thesis		
.4	Analysis I GÜ 1	Technical Thermodynamics I Technical Thermodynamics I	HÜ 1 GÜ 1	Technical Thermodynamics II	VL 2	Mechanics, Multibody Systems		Measurement Technology for Mechanical	VL 2			
5	Analysis I HŪ 1	rechnical mernodynamics r	G0 I	Technical Thermodynamics II	HÜ 1	Mechanics IV	VL 3	Engineering				
				Technical Thermodynamics II	GŪ 1	Mechanics IV Mechanics IV	GÜ 2 HÜ 1	Measurement Technology for Mechanical Engineering	HÜ 1			
.6						Mechanics IV	HU I	Practical Course: Measurement and Control	PR 2			
.7								Systems				
.8	Mechanics I (Statics)	Mechanics II: Mechanics of Materials										
.9	Mechanics I VL 2	Mechanics II	VL 2	Mathematics III		Electrical Machines and Actuat	ars	Production Technology				
20	Mechanics I GÜ 2	Mechanics II	GÜ 2	Analysis III	VL 2	Electrical Machines and Actuators	VL 3	Forming and Cutting Technology	VL 2			
	Mechanics I HŪ 1	Mechanics II	HÜ 2	Analysis III	GŪ 1	Electrical Machines and Actuators	HÜ 2	Forming and Cutting Technology	HÜ 1			
1				Analysis III	HÜ 1			Fundamentals of Machine Tools	VL 2			
2				Differential Equations 1	VL 2			Fundamentals of Machine Tools	HÜ 1			
3				Differential Equations 1	GŪ 1							
24	Fundamentals of Materials Science (part 1)	Mathematics II		Differential Equations 1	HÜ 1							
5	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2	Linear Algebra II	VL 2									
	Physical and Chemical Basics of Materials Science VL 2	Linear Algebra II	GÜ 1					Material Science Laboratory Companion Lecture for Materials Science	VL 2			
6		Linear Algebra II	HÜ 1					Laboratory	VL Z			
7		Analysis II	VL 2	Mechanics III (Hydrostatics, Kinematics, K	inetics I)			Material Science Laboratory	PR 4			
8	Team Project MB	Analysis II	HÜ 1	Mechanics III	VL 3							
9	Team Project MB PBL 6	Analysis II	GÜ 1	Mechanics III	GŪ 2							
-				Mechanics III	HÜ 1							
0												
1												
2												
3												

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