Course of Study Mechanical Engineering (Study Cohort w18)

							ore Qualification Compulsory		Focus Compute		
ample course plan C Bachelor Mechanical Engineering (MBBS)						Core Qualification Elective Con		npulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary com	nplement
ecialisation ₁ Materials in Engine	ering Scie	NGGSster 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form H
Production Engineering (part 1) Production Engineering I Production Engineering I	VL 2 HŪ 1	Production Engineering (part 2) Production Engineering II Production Engineering II	VL 2 HÜ 1	Advanced Mechanical Engineering Design Advanced Mechanical Engineering Design I Advanced Mechanical Engineering Design I	(part 1) VL 2 HÜ 2	Advanced Mechanical Engineer Advanced Mechanical Engineering Advanced Mechanical Engineering	Design II VL 2	Advanced Mechanical Design Project Advanced Mechanical Design Project	PBL 4	Foundations of Management Introduction to Management Management Tutorial	VL GŪ
Computer Science for Mechanical Engine Computer Science for Mechanical Engineers Computer Science for Mechanical Engineers	eers VL 3 GÜ 2	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II Fundamentals of Mechanical Engineering D Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	VL 2 esign VL 2	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD Mechanical Design Project I Basics of Electrical Engineering Basics of Electrical Engineering Basics of Electrical Engineering	VL 2 PBL 3 VL 3 GŪ 2	Mechanical Engineering: Desig Team Project Design Methodology Mechanical Design Project II Fluid Dynamics Fluid Mechanics Fluid Mechanics	n (part 2) PBL 2 PBL 3 VL 3 HÜ 2	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Structural Materials (part 2) Fundamentals of Mechanical Properties of Materials	VL
Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I	VL 2 GÜ 1 HÜ 1	Technical Thermodynamics I								Enhanced Fundamentals of Materials So Enhanced Fundamentals: Metals Enhanced Fundamentals: Ceramics and Polymers	cience VL VL
Analysis I Analysis I Analysis I Analysis I Analysis I	VL 2 GÜ 1 HŪ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 GÜ 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 GÜ 1	Mechanics IV (Kinetics II, Oscili Mechanics, Multibody Systems Mechanics IV Mechanics IV Mechanics IV		Measurement Technology for Mechanica Measurement Technology for Mechanical Engineering Measurement Technology for Mechanical Engineering	I Engineers VL 2 HÜ 1	Enhanced Fundamentals: Ceramics and Polymers Bachelor Thesis	HÜ
Mechanics I (Statics) 9 Mechanics I	VL 2	Mechanics II: Mechanics of Materials Mechanics II	VL 2	Mathematics III		Advanced Materials		Practical Course: Measurement and Control Systems Structural Materials (part 1)	PR 2		
Mechanics I Mechanics I	GÜ 2 HÜ 1	Mechanics II Mechanics II	GÜ 2 HÜ 2	Analysis III Analysis III Analysis III Differential Equations 1	VL 2 GÜ 1 HÜ 1 VL 2	Advanced Materials Characterizatio Advanced Materials Design Advanced Materials Design	0n VL 2 VL 2 HÜ 2	Welding Technology	VL 3		
2 3 Fundamentals of Materials Science (par	-1)	Mathematics II		Differential Equations 1 Differential Equations 1 Differential Equations 1	GÜ 1 HÜ 1			Material Science Laboratory Companion Lecture for Materials Science Laboratory Material Science Laboratory	VL 2 PR 4		
5 Fundamentals of Materials Science I Physical and Chemical Basics of Materials Sci 6	VL 2	Linear Algebra II Linear Algebra II Linear Algebra II	VL 2 GÜ 1 HÜ 1					Hoteld, Science Ebbolistory	111 4		
7 Team Project MB Team Project MB	PBL 6	Analysis II Analysis II Analysis II	VL 2 HÜ 1 GÜ 1	Mechanics III (Hydrostatics, Kinematics, K Mechanics III Mechanics III Mechanics III	inetics I) VL 3 GŪ 2 HŪ 1						
				Mechanics III	HU I						
3 Nontechnical Complementary Co	ourses for Ba	chelors (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.