## Course of Study Mechanical Engineering (Study Gohort w19) Sample course plan C Bachelor Mechanical Engineering (MBRS) Sample course plan C Bachelor Mechanical Engineering (MBRS)

Advanced Mechanical Engineering 1   H0   1   Production Engineering 1   H0   1   Advanced Mechanical Engineering Design   H0   2   Advanced Mechanical Engineering Design   H0   2   Advanced Mechanical Engineering Design   H0   2		e course plan C Bachelor Mechanical		Core Qualification Elective Co	Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement		
Mathematics   Marginery   Ma	Specia	lisation Materials in Engineering Scie	nces				
Compared Science for Mechanical Exploration   Science Conference Compared Science (part 2)   Compared Science Conference Compared Science Co	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		Introduction to Management VL 3
Based   Section   Sectio	4 5 6	Computer Science for Mechanical Engineers VL 3	Fundamentals of Materials Science II VL 2  Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design VL 2	Embodiment Design and 3D-CAD VL 2 Mechanical Design Project I PBL 3	Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3	Introduction to Control Systems	Materials Engineering: Materials Selection,
Method   M	9		Fundamentals of Mechanical Engineering Design HÜ 2			Introduction to Control Systems VL 2	Materials Selection and Processing VL 3
Adalysis   Adalysis	11	Linear Algebra I VL 2 Linear Algebra I GÜ 1					
Mechanics     Wechanics     Wechanics     Wechanics     Wechanics       Wechanics	14 15 16	Analysis I GÜ 1	Technical Thermodynamics I HÜ 1	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1	Multibody Systems, Numerical Mechanics)  Mechanics IV VL 3  Mechanics IV GÜ 2	Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and Control PR 2	Enhanced Fundamentals: Metals VL 2 Enhanced Fundamentals: Ceramics and VL 2 Polymers Enhanced Fundamentals: Ceramics and HÛ 1
Fundamentals of Materials Science (part 1)	19 20 21 22	Mechanics I         VL         2           Mechanics I         GÜ         2	Mechanics II         VL         2           Mechanics II         GÜ         2	Analysis III	Advanced Materials Characterization VL 2 Advanced Materials Design VL 2	Companion Lecture for Materials Science VL 2 Laboratory	Bachelor Thesis
Team Project MB	25 26	Fundamentals of Materials Science I VL 2	Linear Algebra II         VL         2           Linear Algebra II         GÜ         1           Linear Algebra II         HÜ         1           Analysis II         VL         2			and Modelling Materials Selection and Processing VL 3	
	29 30	· · · · · · · · · · · · · · · · · · ·		Mechanics III GÜ 2			

Non-technical Courses for 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.