Course of Study Mechanical Engineering (Study Cohort w20) Specialisation Compulsory Specialisati

Sample course plan B Bachelor Mechanical Engineering (MBBS) Focus Elective Compulsory Interdisciplinary complement Specialisation Mechatronics Production Engineering (part 1) Production Engineering (part 2) Foundations of Management Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Design Project Production Engineering I Production Engineering II Advanced Mechanical Engineering Design I Advanced Mechanical Engineering Design II Advanced Mechanical Design Project Introduction to Management 2 Production Engineering I Production Engineering II Advanced Mechanical Engineering Design I Advanced Mechanical Engineering Design II Management Tutorial GÜ 2 3 Computer Science for Mechanical Engineers Fundamentals of Materials Science (part 2) Mechanical Engineering: Design (part 1) Mechanical Engineering: Design (part 2) Fundamentals of Materials Science II Embodiment Design and 3D-CAD 5 Computer Science for Mechanical Engineers GÜ 2 Mechanical Design Project I Mechanical Design Project II **Fundamentals of Mechanical Engineering Design** Fundamentals of Mechanical Engineering Design VL 2 Semiconductor Circuit Design Basics of Electrical Engineering Fluid Dynamics Introduction to Control Systems Fundamentals of Mechanical Engineering Design HÜ 2 Semiconductor Circuit Design 8 Basics of Electrical Engineering Fluid Mechanics Introduction to Control Systems Semiconductor Circuit Design GÜ 1 GÜ 1 Technical Thermodynamics I Linear Algebra L HÜ 1 Technical Thermodynamics I 13 VI 2 Analysis I Technical Thermodynamics II Mechanics IV (Oscillations, Analytical Mechanics, Measurement Technology for Mechanical Engineers GÜ 1 Technical Thermodynamics I HÜ 1 Analysis I Multibody Systems, Numerical Mechanics) Measurement Technology for Mechanical Technical Thermodynamics I Mechanics IV Technical Thermodynamics II HÜ 1 Engineering 15 Mechanics IV GÜ 2 Measurement Technology for Mechanical GÜ 1 Technical Thermodynamics II Engineering 16 Practical Course: Measurement and Control 17 Mechanics I (Statics) Mechanics II: Mechanics of Materials Mechanics I Machanice II 19 Simulation and Design of Mechatronic Systems GÜ 2 GÜ 2 Mechanics I Mechanics II Complex Functions Simulation and Design of Mechatronic Systems VL 2 Mechanics I Mechanics II Analysis III GÜ 1 Complex Functions GÜ 1 Simulation and Design of Mechatronic Systems HÜ 1 21 Simulation and Design of Mechatronic Systems PR 1 Analysis III HÜ 1 Complex Functions H0 1 22 Differential Equations 1 Differential Equations 2 VI 2 Differential Equations 1 GÜ 1 Differential Equations 2 GÜ 1 23 Differential Equations 1 Differential Equations 2 Fundamentals of Materials Science (part 1) Mathematics II Fundamentals of Materials Science I Linear Algebra II Fundamentals of Production and Quality Management GÜ 1 Physical and Chemical Basics of Materials Science VL 2 Linear Algebra II 26 Quality Management VL 2 27 Mechanics III (Dynamics) Mechanics III Analysis II GÜ 2 Mechanics III Team Project MB HÜ 1 30 31 32 33

Thesis Compulsory

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.