Course of Study Mechanical Engineering (Study Cohort w20) Thesis Compulsory Sample course plan C Bachelor Mechanical Engineering (MBBS) Focus Elective Compulsory Interdisciplinary complement Specialisation Theoretical Mechanical Engineering 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 Modeling, Simulation and Optimization (EN) Basics of Electrical Engineering Fluid Dynamics Introduction to Control Systems Fundamentals of Mechanical Engineering Design HÜ 2 Modeling, Simulation and Optimization 8 Basics of Electrical Engineering Fluid Mechanics Introduction to Control Systems GÜ 2 GÜ 1 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I 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 Numerical Mathematics I GÜ 2 GÜ 2 Mechanics I Mechanics II Advanced Materials Characterization Numerical Mathematics I Mechanics I Mechanics II Analysis III GÜ 1 Advanced Materials Design VL 2 Numerical Mathematics I GÜ 2 21 HÜ 1 HÜ 2 Analysis III Advanced Materials Design 22 Differential Equations 1 VI 2 Differential Equations 1 GŪ 1 23 Differential Equations 1 Fundamentals of Materials Science (part 1) Mathematics II Fundamentals of Materials Science I Linear Algebra II GÜ 1 Physical and Chemical Basics of Materials Science VL 2 Linear Algebra II 26

GÜ 2

HÜ 1

Heat Transfer

Non-technical Courses for Bachelors (from catalogue) - 6LP

Analysis II

27

Team Project MB

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

Mechanics III

Mechanics III (Dynamics)