Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

Sample course plan C Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Mechanical Engineering, Focus Product Development and Production

Co	Core qualification Elective Compulsory nester 5 F	Specialisation Elective Compulsory or Mrs/Wemester 6	Formrs/wikemest	Interdisciplinary complement er 7 Forhhrs
C			Focus Elective Compulsory	
C				
	Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Le	egend:			

LP	Semester 1 Formirs	s/wskemester 2 Formirs	/&kmester 3 F	or M rs,	/wslæmester 4 Formir	s/&kmester 5 Forms	/wsiemester 6 Formirs	s/wskemester 7 Forhhrs/
1 2 3 4 5	Chemistry (GES) Chemistry I VL 2 Chemistry II VL 2 Chemistry I HÜ 1 Chemistry II HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical UE 1 Thermodynamics I	Thermodynamics II Technical H Thermodynamics II		Mechanical Engineering: Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II Fundamentals of Materials Science (part 2) Fundamentals of VL 2 Materials Science II	Computer Engineering Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to VL 3 Management Management Tutorial UE 2	Advanced Internship AIW/ GES
7					Advanced Mechanical			
9 10 11	Linear Algebra Linear Algebra VL 4 Linear Algebra HÜ 2 Linear Algebra UE 2	Mathematical Analysis Mathematical Analysis VL 4 Mathematical Analysis HÜ 2 Mathematical Analysis UE 2	Analysis III U	JE 1	Engineering Design (part 2) Advanced Mechanical VL 2 Engineering Design II Advanced Mechanical HÜ 2 Engineering Design II Production Engineering (part 2) Production VL 2 Engineering II Production HÜ 1 Engineering II	Introduction to Control Systems Introduction to VL 2 Control Systems Introduction to UE 2 Control Systems	Integrated Product Development and Lightweight Design Integrated Product Development I Development of Lightweight Design Products CAE-Team Project VL 2 PBL2	
12 13					Fluid Dynamics			
14					Fluid Mechanics VL 3	Measurement Technology for Mechanical Engineers	Enhanced Fundamentals of Materials Science	
15 16 17 18	Electrical Engineering I Electrical Engineering VL 3 I Electrical Engineering UE 2 I	Electrical Engineering II Electrical Engineering VL 3 II Electrical Engineering UE 2 II	Mechanics III U	HÜ 1 JE 2 /L 3	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL 3 Mechanics IV UE 2 Mechanics IV HÜ 1	Measurement VL 2 Technology for Mechanical Engineering Measurement HÜ 1 Technology for Mechanical Engineering Practical Course: PR 2 Measurement and Control Systems	Enhanced VL 2 Fundamentals: Metals Enhanced VL 2 Fundamentals: Ceramics and Polymers Enhanced HÜ 1 Fundamentals: Ceramics and Polymers	
19 20						Advanced Mechanical Design Project	Advanced Materials Advanced Materials VL 2	Bachelor Thesis

21 22 23	Mechanics I (GES) Mechanics I VL 2 Mechanics I HÜ 3	Mechanics II (GES) Mechanics II VL 2 Mechanics II HÜ 2		Advanced Mechanical P Design Project	Advanced Materials VL 2 Design Advanced Materials HÜ 2 Design	
25 26			Materials Science (part 1) Fundamentals of VL 2	Production Technology Forming and Cutting V		
27	Programming in C Programming in C VL 1 Programming in C PR 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of VL 2 Mechanical		Technology Forming and Cutting H Technology		
29	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Engineering Fundamentals of UE 2 Mechanical Engineering	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I		Ü 1	
31 32			Production Engineering (part 1)			
33	Nontechnical Complementary	Course for Doob class (for a -	Production VL 2 Engineering I Production HÜ 1 Engineering I			

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