Course of Study Mechanical Engineering (Study Cohort w20)

Sample course plan A Bachelor Mechanical Engineering (MBBS)

pecial	lisation Theoretical Mechanica	l Engin	eering									
1	Production Engineering (part 1)		Production Engineering (part 2)		Advanced Mechanical Engineering Design	(part 1)	Advanced Mechanical Engineering Design	n (part 2)	Advanced Mechanical Design Project		Foundations of Management	
2		VL 2	Production Engineering II	VL 2	Advanced Mechanical Engineering Design I	VL 2	Advanced Mechanical Engineering Design II	VL 2	Advanced Mechanical Design Project	PBL 4	Introduction to Management	VL 3
3	Production Engineering I	HŪ 1	Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineering Design II	HŪ 2			Management Tutorial	GŪ 2
4	Computer Science for Mechanical Engineers		Fundamentals of Materials Science (part 2)		Mechanical Engineering: Design (part 1)		Mechanical Engineering: Design (part 2)					
5		VL 3	Fundamentals of Materials Science II	VL 2	Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodology	PBL 2				
6	Computer Science for Mechanical Engineers	GÜ 2	Fundamentals of Mechanical Engineering Design	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3					
7			Fundamentals of Mechanical Engineering Design	-								
			Fundamentals of Mechanical Engineering Design		Basics of Electrical Engineering Basics of Electrical Engineering	VL 3	Fluid Dynamics Fluid Mechanics	VL 3	Introduction to Control Systems Introduction to Control Systems	VL 2	Modeling, Simulation and Optimization (EN) Modeling, Simulation and Optimization	1) IV 4
8					Basics of Electrical Engineering	GŪ 2	Fluid Mechanics	HÜ 2	Introduction to Control Systems	GÜ 2	housing, sindleton and optimization	
9												
10	Mathematics I											
11		VL 2 GÜ 1										
12		30 I HŪ 1	Technical Thermodynamics I									
13		VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II		Mechanics IV (Oscillations, Analytical Me	chanics,	Measurement Technology for Mechanical Er	gineers	Bachelor Thesis	
14		GÜ 1		HÜ 1 GÜ 1	Technical Thermodynamics II	VL 2	Multibody Systems, Numerical Mechanics		Measurement Technology for Mechanical	VL 2		
15	Analysis I	HŪ 1		00 1	Technical Thermodynamics II	HÜ 1	Mechanics IV Mechanics IV	VL 3 GÜ 2	Engineering Measurement Technology for Mechanical	HÜ 1		
16					Technical Thermodynamics II	GŪ 1	Mechanics IV Mechanics IV	GU 2 HŪ 1	Engineering	HUI		
									Practical Course: Measurement and Control	PR 2		
17									Systems			
18	Mechanics I (Statics) Mechanics I	VL 2	Mechanics II: Mechanics of Materials Mechanics II	VL 2								
19		GÜ 2		GÜ 2	Mathematics III		Electrical Machines and Actuators		Numerical Mathematics I			
20	Mechanics I	HŪ 1	Mechanics II	HÜ 2	Analysis III Analysis III	VL 2 GŪ 1	Electrical Machines and Actuators Electrical Machines and Actuators	VL 3 HÜ 2	Numerical Mathematics I Numerical Mathematics I	VL 2 GÜ 2		
21					Analysis III	HÜ 1						
22					Differential Equations 1	VL 2						
23					Differential Equations 1 Differential Equations 1	GŨ 1 HŨ 1						
24	Fundamentals of Materials Science (part 1)		Mathematics II		Differential Equations 1	HU I						
25	Fundamentals of Materials Science I	VL 2		VL 2					Heat Transfer			
26	Physical and Chemical Basics of Materials Science	VL 2		GÜ 1					Heat Transfer	VL 3		
20			Linear Algebra II Analysis II	HÜ 1 VL 2					Heat Transfer	HÜ 2		
				HÜ 1	Mechanics III (Dynamics) Mechanics III	VL 3						
28	Team Project MB Team Project MB	BL 6	Analysis II	GÜ 1	Mechanics III	GÜ 2						
29	Contraject MD	02 0			Mechanics III	HÜ 1						
30												
31												
32												
33												
	Non-technical Courses for Bachelors	16	talagua) ELD									

Focus Compulsory

Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory

Thesis Compulsory

Interdisciplinary complement

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