Course of Study Mechanical Engineering (Study Cohort w20)

Sample course plan B Bachelor Mechanical Engineering (MBBS)

Special	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 (par	rt 2)	Advanced Mechanical Design Project	F	oundations of Management	
2		VL 2	Production Engineering II	VL 2	Advanced Mechanical Engineering Design I	VL 2		VL 2	Advanced Mechanical Design Project PBL			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	HÜ 2		N	fanagement 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		BL 2				
6	Computer Science for Mechanical Engineers GÜ 2	3Ü 2	Fundamentals of Mechanical Engineering Design	Mechanical Design Project I	PBL 3	Mechanical Design Project II P	PBL 3					
7			Fundamentals of Mechanical Engineering Design									
			Fundamentals of Mechanical Engineering Design	HÜ 2	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		Modeling, Simulation and Optimization (EN) Modeling, Simulation and Optimization) IV 4
8					Basics of Electrical Engineering	GŪ 2		HŪ 2	Introduction to Control Systems GÜ			
9												
10	Mathematics I											
11		VL 2 GÜ 1										
12		HŪ 1	Technical Thermodynamics I									
13		VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II		Mechanics IV (Oscillations, Analytical Mechani	ics,	Measurement Technology for Mechanical Engineer	rs B	Bachelor Thesis	
14		GÜ 1 HŪ 1		HÜ 1 GÜ 1	Technical Thermodynamics II	VL 2	Multibody Systems, Numerical Mechanics)		Measurement Technology for Mechanical VL	2		
15	Analysis I	HU I	··		Technical Thermodynamics II Technical Thermodynamics II	ΗÜ 1 GŪ 1		VL 3 GÜ 2	Engineering Measurement Technology for Mechanical HÜ	1		
16					recinical memodynamics in	00 I		HŪ 1	Engineering			
17									Practical Course: Measurement and Control PR	2		
18									Systems			
	Mechanics I (Statics) Mechanics I	VL 2	Mechanics II: Mechanics of Materials Mechanics II	VL 2								
19		GÜ 2	Mechanics II	GÜ 2	Mathematics III Analysis III	VL 2	Fundamentals of Production and Quality Mana Production Process Organization	agement VL 2	Numerical Mathematics I Numerical Mathematics I VL	2		
20	Mechanics I	HŪ 1	Mechanics II	HÜ 2	Analysis III	GŪ 1		VL 2	Numerical Mathematics I GÜ			
21					Analysis III	HÜ 1						
22					Differential Equations 1	VL 2						
23					Differential Equations 1 Differential Equations 1	GŪ 1 HÜ 1						
24	Fundamentals of Materials Science (part 1)		Mathematics II									
25		VL 2	Linear Algebra II	VL 2					Heat Transfer			
26	Physical and Chemical Basics of Materials Science	VL 2	Linear Algebra II Linear Algebra II	GÜ 1 HÜ 1					Heat Transfer VL			
27			Analysis II	VL 2	Mechanics III (Dynamics)				Heat Transfer HÜ	2		
28	Team Project MB		Analysis II	HÜ 1	Mechanics III	VL 3						
20		BL 6	Analysis II	GÜ 1	Mechanics III	GŪ 2						
					Mechanics III	HÜ 1						
30												
31												
32												
33												
	Non-technical Courses for Bachelors	(from ca	taloque) - 6LP									

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.