Course of Study Mechanical Engineering (Study Cohort w20)

Sample course plan C Bachelor Mechanical Engineering (MBBS)

Special	isation Materials in Engineering	Scier	ices									
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	Production Engineering I VL		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		VL 3
3	Production Engineering I HÜ	1	Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineering Design II	HÜ 2			Management Tutorial	GŪ 2
4	Committee Colonia for Masharitad Frankras		Fundamentals of Materials Science (part 2)		Mashariat Fusing adam Dealar (mart 1)		Marken last Frankrankan Darlan (and 2)					
	Computer Science for Mechanical Engineers Computer Science for Mechanical Engineers VL	3	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II	VL 2	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD	VL 2	Mechanical Engineering: Design (part 2) Team Project Design Methodology	PBL 2				
5	Computer Science for Mechanical Engineers GÜ				Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3				
6			Fundamentals of Mechanical Engineering De									
7			Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design		Basics of Electrical Engineering		Fluid Dynamics		Introduction to Control Systems		Enhanced Fundamentals of Materials Science	e
8			Fundamentals of Mechanical Engineering Design	HU 2	Basics of Electrical Engineering	VL 3	Fluid Mechanics	VL 3		2		VL 2
9					Basics of Electrical Engineering	GÜ 2	Fluid Mechanics	HÜ 2	Introduction to Control Systems GÜ	2	Enhanced Fundamentals: Ceramics and Polymers	VL 2
10	Mathematics I											HÜ 1
10	Linear Algebra I VL	2									Polymers	
	Linear Algebra I GÜ	1										
12	Linear Algebra I HŪ		Technical Thermodynamics I	14 2								
13	Analysis I VL Analysis I GÜ		Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1	Technical Thermodynamics II		Mechanics IV (Oscillations, Analytical Me		Measurement Technology for Mechanical Engine		Materials Engineering: Materials Selection,	
14	Analysis I GU Analysis I HŪ			GÜ 1	Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1	Multibody Systems, Numerical Mechanics Mechanics IV	5) VL 3	Measurement Technology for Mechanical VL Engineering	2	Processing and Modelling Materials Selection and Processing	VL 3
15					Technical Thermodynamics II	GŪ 1	Mechanics IV	GÜ 2		1		VL 3
16					,		Mechanics IV	HŨ 1	Engineering			
17										2		
18	Mechanics I (Statics)	_	Mechanics II: Mechanics of Materials						Systems			
	Mechanics I (Statics) Mechanics I VL	2	Mechanics II: Mechanics of Materials Mechanics II	VL 2								
19	Mechanics I GÜ			GÜ 2	Mathematics III Analysis III	VL 2	Advanced Materials Advanced Materials Characterization	VL 2	Material Science Laboratory Companion Lecture for Materials Science VL	2	Bachelor Thesis	
20	Mechanics I HŪ	1	Mechanics II	HÜ 2	Analysis III	GÜ 1	Advanced Materials Design	VL 2 VL 2	Laboratory	2		
21					Analysis III	HÜ 1	Advanced Materials Design	HÜ 2	Material Science Laboratory PR	4		
22					Differential Equations 1	VL 2						
23					Differential Equations 1	GŪ 1						
24	Fundamentals of Materials Science (part 1)		Mathematics II		Differential Equations 1	HÜ 1						
25	Fundamentals of Materials Science I VL	2		VL 2								
	Physical and Chemical Basics of Materials Science VL	2		GÜ 1								
26			Linear Algebra II	HÜ 1								
27			Analysis II Analysis II	VL 2 HÜ 1	Mechanics III (Dynamics)	10 2						
28	Team Project MB			GÜ 1	Mechanics III Mechanics III	VL 3 GŪ 2						
29	Team Project MB PBL	6			Mechanics III	HÜ 1						
30												
31												
32												
33							1					
33												
	Non-technical Courses for Bachelors (fro	om cat	alogue) - 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.