## Course of Study Mechanical Engineering (Study Cohort w19)

Sample course plan C Bachelor Mechanical Engineering (MBBS) Specialisation Aircraft Systems Engineering

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1 Fo	rn <del>h</del> lrs/	w&vemester 2 Fo	orn <del>h</del> lrs/	w&emester 3 F	orn <del>h</del> lrs/	w&emester 4	Forn <del>h</del> lrs/	w&emester 5	Forn <del>h</del> lrs/	w&emester 6	Forn <del>h</del> lrs/w
1 2 3	ů ů	<b>1)</b> - 2 J 1		t <b>2)</b> 'L 2 Ü 1	Engineering Design I	_	Advanced Mechanical Engineering Design (part 2 Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II	) VL 2 HÜ 2	Advanced Mechanical Desi Project Advanced Mechanical Design Project	ign PBL 4	Foundations of Manageme Introduction to Management Management Tutorial	
4 5	Mechanical Engineers		Fundamentals of Materials Science (part 2) Fundamentals of Materials Viscience II  Fundamentals of Mechanical	L 2	Mechanical Engineering: Dec (part 1) Embodiment Design and 3D-VCAD Mechanical Design Project I F	VL 2	Mechanical Engineering: Do (part 2) Team Project Design Methodology Mechanical Design Project II	PBL 2				
7 8 9 10 11	Mathematics I Linear Algebra I VL Linear Algebra I UE		Engineering Design Fundamentals of Mechanical V Engineering Design Fundamentals of Mechanical H Engineering Design  Technical Thermodynamics I	Ü 2	Engineering	ring VL 3 JE 2	Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 3 HÜ 2	Introduction to Control Sy Introduction to Control Systems Introduction to Control Systems	vstems VL 2 UE 2	Integrated Product Development Lightweight Design Integrated Product Development I Development of Lightweight Design Products CAE-Team Project	VL 2
13 14 15 16 17	Linear Algebra I HÜ  Analysis I VL  Analysis I UE  Analysis I HÜ	. 2 E 1	Technical Thermodynamics I V Technical Thermodynamics I H Technical Thermodynamics I U	Ü 1	Technical Thermodynamics  Technical Thermodynamics  II  Technical Thermodynamics  II	VL 2	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Syste Mechanics IV Mechanics IV	ems) VL 3 UE 2	Measurement Technology Mechanical and Process Engineers Measurement Technology for Mechanical and Process		Aeronautical Systems Air Transportation Systems Fundamentals of Aircraft Systems Fundamentals of Aircraft	VL 2 VL 2 UE 1
18	Mechanics I UE	. 2 E 2 Ü 1	Mechanics II U	L 2 E 2 Ü 2	Technical Thermodynamics II	JE 1	Mechanics IV	HÜ 1	Engineers  Measurement Technology for Mechanical and Process Engineers  Practical Course:  Measurement and Control Systems	r HÜ 1 PR 2	Systems Air Transportation Systems	
19 20 21 22 23 24	Fundamentals of Materials		Mathamatica II		Analysis III L	VL 2 JE 1 HÜ 1 VL 2	•	VL 2 VL 2 HÜ 2	Simulation and Design of Mechatronic Systems Simulation and Design of Mechatronic Systems Simulation and Design of Mechatronic Systems	VL 2 HÜ 1	Bachelor Thesis	
25 26	Science I	. 2	Linear Algebra II U Linear Algebra II H	L 2 E 1 Ü 1 L 2	· · · · · · · · · · · · · · · · · · ·	JE 1 ⊣Ü 1			Simulation and Design of Mechatronic Systems	PR 1		

27	Basics of Materials Science	Analysis II	HÜ 1	Mechanics III (Hyd	rostatics
28	Team Project MB	Analysis II		Kinematics, Kinetic	
29	Team Project MB PBL	6		Mechanics III	VL 3
30				Mechanics III	UE 2
31				Mechanics III	HÜ 1
32					
33					
	Nontechnical Complementary Cours	es for Bachelors (from cata	alogue) - 6LP		

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