Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w16)

Sample course plan & Bachelor General Engineering Science (German program, 7 semester) (AIWRS(7))

Legend:

Sampl	e course plan A Bachelor	General	Engineering Science (Gerr	nan prog	ram, 7 semester) (AIWB	BS(7))		Legend:							
	alisation Mechanical Engine		5 5 1			()/			fication Compulsory	Specialisation Co		Focus Compuls	sory	Thesis Com	pulsory
								Core quali Compulso	fication Elective ry	Specialisation Ele Compulsory	ective	Focus Elective	Compulsor	y Interdisciplin	nary complement
.Р	Semester 1	FormHrs	/wokemester 2	FormHrs	/wSkemester 3	FormHrs	/wokemester 4	FormHrs	Weemester 5	FormHrs	/wSkemester	6	FormHrs	/wSkemester 7	FormHrs/
1 2	Chemistry		Electrical Engineering	II:	Technical Thermodyn	namics	Mechanical Engineerin	ng:	Introduction to	Control	Foundatio	ons of Mana	-	Advanced Inte	ernship GES
	Chemistry I	VL 2	Alternating Current Networks and Basic De	vices	II 		Design (part 2)		Systems		Introductio		VL 3		
	Chemistry II	VL 2	Electrical Engineering II:		Technical Thermodynamics II	VL 2	Team Project Design Methodology	PBL2	Introduction to C Systems	ontrol VL 2	Manageme				
	Chemistry I	HÜ 1	Alternating Current	VL 3	Technical	HÜ 1	Mechanical Design	TT 3	Introduction to C	optrol UE 0	Manageme	ent Tutorial	HÜ 2		
	Chemistry II	HÜ 1	Networks and Basic		Thermodynamics II	110 1	Project II	11.5	Systems						
	-		Devices		Technical	UE 1									
			Electrical Engineering II: Alternating Current	UE 2	Thermodynamics II		Fundamentals of Mate	rials							
			Networks and Basic				Science (part 2)	N // 0							
			Devices				Fundamentals of Materials Science II	VL 2							
;							Fluid Dynamics								
	Electrical Engineering	1 I:	Fundamentals of Mech	anical	Mathematics III		Fluid Mechanics	VL 3	Measurement To	echnology	Advanced	Mechanical			
	Direct Current Networ		Engineering Design		Analysis III	VL 2	Fluid Mechanics	HÜ 2	for Mechanical	and Process	Engineeri	ng Design (j	part 2)		
	Electromagnetic Field		Fundamentals of	VL 2	Analysis III	UE 1			Engineers			Mechanical	VL 2		
	Electrical Engineering I:		Mechanical Engineering		Analysis III	HÜ 1			Measurement	VL 2	Engineering				
	Direct Current Networks and Electromagnetic	5	Design Fundamentals of	HÜ 2	Differential Equations 1				Technology for Mechanical and F	Process		Mechanical	HÜ 2		
_	Fields		Mechanical Engineering	HU Z	Differential Equations 1				Engineers		Engineering	g Design II			
0	Electrical Engineering I:		Design		Differential Equations 1				Measurement	HÜ 1	Reciproca	ting Machin	nery		
1 2	Direct Current Networks	S			·				Technology for)******	(part 2)				
2	and Electromagnetic Fields						Mechanics IV (Kinetics		Mechanical and F Engineers	rocess	Internal Co	mbustion	VL 2		
							Oscillations, Analytica Mechanics, Multibody		Practical Course:	PR 2	Engines I Internal Co		HÜ 1		
							Systems)		Measurement an		Engines I	mbustion	HUI		
							Mechanics IV	VL 3	Control Systems		J				
3	Mathematics I		Technical Thermodyna	amics I			Mechanics IV	UE 2	Advanced Mech	anical					
4	Linear Algebra I	VL 2	Technical	VL 2			Mechanics IV	HÜ 1	Engineering De	sign (part 1)	Electrical	Machines			
5	Linear Algebra I	UE 1	Thermodynamics I		Mechanics III (Hydros	statics,			Advanced Mecha		Electrical N	A achines	VL 3		
	Linear Algebra I	HÜ 1	Technical	HÜ 1	Kinematics, Kinetics	I)			Engineering Desi		Electrical N	A achines	HÜ 2		
	Analysis I	VL 2	Thermodynamics I		Mechanics III	VL 3			Advanced Mecha Engineering Desi						
<u>^</u>	Analysis I	UE 1	Technical Thermodynamics I	UE 1	Mechanics III	UE 2			Engineering Desi	9111					
6 7	Analysis I	HÜ 1	mennouynamics i		Mechanics III	HÜ 1			Heat Transfer						
7 8									Heat Transfer	VL 3					
8 9							Signals and Systems		Heat Transfer	HÜ 2					
20	_		Mechanics II: Mechanic	cs of			Signals and Systems	VL 3						Bachelor The	sis
21			Materials	N/I 0			Signals and Systems	HÜ 1				es and Ener	gy		
22	Mechanics I (Statics)		Mechanics II	VL 2	Computer Engineerin	J					Systems	Francis	N/I		
23	Mechanics I	VL 2	Mechanics II	UE 2	Computer Engineering				Reciprocating M (part 1)	lachinery	Renewable		VL 2		
	Mechanics I	UE 2	Mechanics II	HÜ 2	Computer Engineering	UE 1			(part I) Fundamentals of	VL 1	Energy Sys Energy Ind		VL 2		
	Maahaniga	uü 4													
	Mechanics I	HÜ 1							Reciprocating En	gines	Power Indu	istry	VL 1		

					Engines Fundamentals of Reciprocating Eng and Turbomachine	HÜ 1 ines rry -	Renewable Energy UE 1	
		Mathematics II				luid		
ning in C	VL 1	Linear Algebra II Linear Algebra II Linear Algebra II	VL 2 UE 1 HÜ 1 VL 2	Mechanical Engineering: Design (part 1) Embodiment Design and VL 2	Computational Flu Dynamics I	_		
	AIW)	-	HÜ 1 UE 1	Mechanical Design TT 3 Project I				
	UE 1			Fundamentals of Materials Science (part 1)				
				Fundamentals of VL 2 Materials Science I				
				Physical and Chemical VL 2 Basics of Materials Science				
	ning in C for Engineers (or Engineers	ming in C VL 1 ning in C VL 1 ning in C PR 1 for Engineers (AIW) or Engineers VL 2	ning in C VL 1 Linear Algebra II ning in C PR 1 Analysis II for Engineers (AIW) or Engineers VL 2	ming in CVL 2ning in CVL 1linear Algebra IIUE 1ning in CVL 1linear Algebra IIHÜ 1ning in CPR 1Analysis IIVL 2for EngineersVL 2VL 2Analysis IIAnalysis IIUE 1	ming in C VL 1 Linear Algebra II VL 2 Mechanical Engineering: Design (part 1) ning in C VL 1 Linear Algebra II HŪ 1 Hotinar Algebra II HŪ 1 ning in C VR 1 Analysis II VL 2 Mechanical Engineering: Design (part 1) for Engineers VL 2 Analysis II HŪ 1 Mechanical Design and VL 2 3D-CAD for Engineers VL 2 Analysis II UE 1 VL 2 Project I TT 3 or Engineers VL 2 VL 2 VL 2 VL 2 Materials of Materials or Engineers VL 2 VL 2 VL 2 VL 2 Project I Project I VL 2 VL 2 VL 2 VL 2 VL 2 VL 2 Project I Project I VL 2 VL 2 VL 2 VL 2 Project I </td <td>ming in C Mathematics II VL 2 Mathematics II VL 2 ning in C VL 1 Linear Algebra II VL 2 Mechanical Engineering: Design (part 1) ining in C VL 1 Linear Algebra II VL 2 Mechanical Engineering: Design (part 1) ining in C VL 1 Analysis II VL 2 Mechanical Engineering: Computational Flu or Engineers VL 2 Analysis II VL 2 Mechanical Design and VL 2 Computational Flu or Engineers VL 2 Mechanical Design and VL 2 Project I TT 3 or Engineers VL 2 Mechanical O Science (part 1) TT 3 project I Physical and Chemical VL 2 Physical and Chemical VL 2 Basics of Materials VL 2 Physical and Chemical VL 2</td> <td>ming in C Mathematics II UL 2 Ming in C Linear Algebra II UL 2 Ining in C UL 1 ining in C VL 1 Analysis II VL 2 Analysis II VL 2 Analysis II VL 2 Analysis II VL 2 Freigneers VL 2 Analysis II VL 2 Analysis II VL 2 Project I Fundamentals of VL 2 Freigneers VL 2 Project I Fundamentals of VL 2 Project I Fundamentals of VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 P</td> <td>Mathematics II VL 2 Mathematics II VL 2 Linear Algebra II VL 2 Mathematics II VL 2 Linear Algebra II VL 2 Mathematics II VL 1 Linear Algebra II VL 2 Mathematics II VL 2 Machanical Design and VL 2 Machanical Design TT 3 Project I Project I Project I Proj</td>	ming in C Mathematics II VL 2 Mathematics II VL 2 ning in C VL 1 Linear Algebra II VL 2 Mechanical Engineering: Design (part 1) ining in C VL 1 Linear Algebra II VL 2 Mechanical Engineering: Design (part 1) ining in C VL 1 Analysis II VL 2 Mechanical Engineering: Computational Flu or Engineers VL 2 Analysis II VL 2 Mechanical Design and VL 2 Computational Flu or Engineers VL 2 Mechanical Design and VL 2 Project I TT 3 or Engineers VL 2 Mechanical O Science (part 1) TT 3 project I Physical and Chemical VL 2 Physical and Chemical VL 2 Basics of Materials VL 2 Physical and Chemical VL 2	ming in C Mathematics II UL 2 Ming in C Linear Algebra II UL 2 Ining in C UL 1 ining in C VL 1 Analysis II VL 2 Analysis II VL 2 Analysis II VL 2 Analysis II VL 2 Freigneers VL 2 Analysis II VL 2 Analysis II VL 2 Project I Fundamentals of VL 2 Freigneers VL 2 Project I Fundamentals of VL 2 Project I Fundamentals of VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2 P	Mathematics II VL 2 Mathematics II VL 2 Linear Algebra II VL 2 Mathematics II VL 2 Linear Algebra II VL 2 Mathematics II VL 1 Linear Algebra II VL 2 Mathematics II VL 2 Machanical Design and VL 2 Machanical Design TT 3 Project I Project I Project I Proj

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