## Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w18)

Mechanics II

Mechanics II

Mechanics I (Statics)

VL 2

UE 2 Mechanical Engineering:

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))							Speci	alisation Compulsory	Focus Compulsor	у	Thesis Compulsory	,
pecialisatio	on Mechanical Engineerin	g, Focus Biomechanics				Core qualification Elective Compulsory		alisation Elective Julsory	Focus Elective Co	ompulsory	Interdisciplinary complement	
P Sem	nester 1 ForMr	s/wskemester 2 Fo	rMrs/wikemester 3	Formers	s/&kmester 4 Forthr	s/wskmester 5 F	orithrs	/www.mester 6	ForMrs	s/ <b>\&amp;k</b> mest	er 7	Form
Che Che	emistry I VL 2 emistry II VL 2 emistry II HÜ 1 emistry II HÜ 1	Electrical Engineering I Alternating Current Networks and Basic Devices Electrical Engineering VI II: Alternating Current Networks and Basic Devices Electrical Engineering UI: Alternating Current Networks and Basic Devices	Thermodynamics II Technical Thermodynamics II  Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 UE 1	Mechanical Engineering: Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II  Fundamentals of Materials Science (part 2) Fundamentals of VL 2 Materials Science II	Control Systems Introduction to U Control Systems	ol /L 2 JE 2	Management	VL 3	Advanc GES	ed Internshi <sub>l</sub>	) AIW
Dire and Fiel Electric I: Di Netve Electric I: Di Electric I: Di Netve Electric II: D	ctrical Engineering I: ect Current Networks d Electromagnetic Ids ctrical Engineering VL 3 irect Current works and ctromagnetic Fields ctrical Engineering UE 2 irect Current works and ctromagnetic Fields	Mechanical Engineering Design	Mathematics III Analysis III Analysis III Analysis III Differential Equations Differential Equations Differential Equations Differential Equations	UE 1	Advanced Mechanical Engineering Design (part 2)  Advanced Mechanical VL 2 Engineering Design II  Advanced Mechanical HÜ 2 Engineering Design II  Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Computer Engineering V Computer Engineering V Computer Engineering U	/L 3	MED II: Introd Physiology Introduction to Physiology  BIO I: Experin Methods in Bi Experimental M in Biomechanic	VL 2  nental omechanics lethods VL 2			
Line Line Ana Ana	thematics I ear Algebra I VL 2 ear Algebra I UE 1 ear Algebra I HÜ 1 slysis I VL 2 alysis I UE 1 alysis I HÜ 1	Thermodynamics I Technical Hi Thermodynamics I	2 Mechanics III (Hydrostatics, Kinematics, Kinetics Mechanics III Mechanics III	5 I) VL 3 UE 2 HÜ 1	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL 3 Mechanics IV UE 2 Mechanics IV HÜ 1	Technology for Mechanical Engineering Measurement Technology for Mechanical Engineering		Fundamentals Production an Management Production Prod Organization Quality Manage	eess VL 2			
9		Mechanics II: Mechanic	5			Numerical Mathematic	<b>cs l</b>			Bachel	or Thesis	

Signals and Systems

VL 2

UE 2

Numerical

Numerical

Mathematics I

23	Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II	HÜ 2	Design (part 1)  Embodiment Design VL 2 and 3D-CAD  Mechanical Design PBL3  Project I  Fundamentals of	Signals and Systems VL 3 Signals and Systems UE 2	
25 26 27	3 3	VL 1 PR 1	Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II Analysis II	VL 2 UE 1 HÜ 1 VL 2 HÜ 1	Materials Science (part 1) Fundamentals of VL 2 Materials Science I Physical and Chemical VL 2 Basics of Materials Science	MED I: Introduction to Anatomy Introduction to VL 2 Anatomy	MED II: Introduction to Biochemistry and Molecular Biology Introduction to VL 2 Biochemistry and Molecular Biology
29 30 31 32	Physics for Engineers (AIW)  Physics for Engineers VL 2  Physics for Engineers UE 1		Analysis II UE	UE 1	Advanced Mechanical Engineering Design (part 1)  Advanced Mechanical VL 2 Engineering Design I  Advanced Mechanical HÜ 2 Engineering Design I	MED I: Introduction to Radiology and Radiation Therapy Introduction to VL 2 Radiology and Radiation Therapy	BIO I: Implants and Fracture Healing Implants and Fracture VL 2 Healing

Nontechnical Complementary Courses for Bachelors (from catalogue) - 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.