

Exclosure to Subject Specific Regulations  
from 14.04.2021  
for Bachelor-Programme

Wirtschaftsingenieurwesen - Fachrichtung Logistik und Mobilität  
at TUHH

Programme Director: Prof. Heike Flämig

Total: 180 CP

Number of Specialisations to choose: 1

# Course Scheme Bachelor Engineering and Management - Major in Logistics and Mobility (WILUMBS)

Consolidated Version  
for Study Cohort: WiSe22/23  
en\_head\_sda  
and Approval of Chair from:  
11.05.2022  
In Force on: 01.10.2022  
Out of Force on: 31.03.2027

Information regarding the lectures are available in the TUHH modul manuals as well as in the course catalogue.

Re-com. Term	Module						Examination			Course Work		
	Module Name (German / English)	Language	ModuleResponsability	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)	Compulsory	Course Work Type	Bonus (in %)
<b>Core Qualification</b> Compulsory Courses: 126 LP Optional Courses: 6 LP												
1	Einführung in Logistik und Mobilität / Introduction to Logistics and Mobility	DE	Prof. Flämig	W-8	C	CM	6	Y	KL	N	SA	2.5
										N	SA	2.5
										N	RE	2.5
										N	ÜA	2.5
1	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA			
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10
1	Technische Mechanik I (Stereostatik) / Engineering Mechanics I (Stereostatics)	DE	Prof. Kriegesmann	M-24	C	CM	6	Y	KL			
2	Logistikmanagement / Logistics Management	DE	Dr. Schröder	W-2	C	CM	6	Y	KL	N	FFST	20
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10
2	Technische Logistik / Technical Logistics	DE	Prof. Kreuzfeldt	W-6	C	CM	6	Y	KL	N	ÜA	10
2	Technische Mechanik II (Elastostatik) / Engineering Mechanics II (Elastostatics)	DE	Prof. Cyron	M-15	C	CM	6	Y	KL			
2-3	Technisches Zeichnen und CAD / Technical drawing and CAD	DE	Dr. Hoffmann	V-5	C	CM	6	Y	KL	N	FFST	10
										N	ÜA	5
3	Grundlagen der Volkswirtschaftslehre / Introduction to Economics	EN	Prof. Heinrich	W-5	C	CM	6	Y	KL			
3	Informatik für Ingenieure - Einführung & Überblick / Computer Science for Engineers - Introduction and Overview	DE / EN	Prof. Fey	E-13	C	CM	6	Y	KL	N	TE	10
3	IT-Anwendungen für Logistik und Mobilität / IT applications for logistics and mobility	DE	NN	SD-W	C	CM	6	Y	KL			

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3	Technischer Ergänzungskurs für WILUMBS (laut FSPO) / Technical Complementary Course for Logistics and Mobility (according to Subject Specific Regulations)		Prof. Flämig	SD-W	C	OM	6	according to Subject Specific Regulations				
3	Verkehrsplanung und Verkehrstechnik / Transportation Planning and Traffic Engineering	DE	Prof. Gertz	W-8	C	CM	6	Y	FFA	Y	GD	0
										N	ÜA	5
4	Einführung in Operations Research und Statistik / Introduction to Operations Research and Statistics	DE	Prof. Fischer	W-4	C	CM	6	Y	KL			
4	Projektmanagement und Controlling / Project Management and Controlling	DE	Lange	W-12	C	CM	6	Y	KL			
4	Unternehmensführung / Management	DE	Prof. Wrona	W-10	C	CM	6	Y	KL			
5	Ethik und Technik / Ethics and Technology	DE	Prof. Kuchta	0-NTA	C	CM	2					
5	Studienarbeit Logistik und Mobilität / Project Course Logistics and Mobility		Dozenten des Studiengangs	0-TUHH	C	CM	6	Y	STA			
5	Betriebswirtschaftliche Planung unternehmensorientierter Ressourcen: CERMEDES AG / Business Administration and Enterprise Resource Planning: CERMEDES AG	EN	Prof. Ringle	W-9	EC	CM	6	Y	FFA			
5	Gamification of Strategic Thinking / Gamification of Strategic Thinking	DE	Prof. Meyer	W-1	EC	CM	6	Y	FFA			
6	Rechtliche Grundlagen für Logistik und Mobilität / Legal Foundations of Logistics and Mobility	DE	Prof. Flämig	W-8	C	CM	6	Y	KL			
6	Unternehmenssimulation Marktstrat / Business Simulation Marktstrat	DE	Prof. Lüthje	W-3	EC	CM	6	Y	FFA			
1-6	Nichttechnische Angebote im Bachelor / Non-technical Courses for Bachelors	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperatly published Catalogue				

**Specialisation Information Technology** Compulsory Courses: 18 LP Optional Courses: 18 LP

4	Informatik für Ingenieure - Programmierkonzepte, Data Handling & Kommunikation / Computer Science for Engineers - Programming Concepts, Data Handling & Communication	DE	Prof. Fröschle	E-15	C	CM	6	Y	KL	N	TE	10
4	Graphentheorie und Optimierung / Graph Theory and Optimization	DE / EN	Prof. Taraz	E-10	EC	CM	6	Y	KL			
4	Simulation in der Intralogistik / Simulation of intra logistics	DE	Dr. Hinckeldeyn	W-6	EC	CM	6	Y	KL			
5	Automatisierung in der Logistik / Automation in logistics	DE	Prof. Kreuzfeldt	SD-W	C	CM	6	Y	KL	Y	TE	10
5	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH-M	C	CM	8	Y	KL			

		Module					Examination			Course Work		
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5	Algorithmen und Datenstrukturen / Algorithms and Data Structures	DE / EN	Prof. Mnich	E-11	EC	CM	6	Y	KL			
5	Data Mining / Data Mining	EN	Prof. Schulte	E-19	EC	CM	6	Y	KL	Y	FFST	20
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	EC	CM	6	Y	KL			
5	Logistische Systeme - Industrie 4.0 / Logistical systems - Industry 4.0	DE	Prof. Kreutzfeldt	W-6	EC	CM	6	Y	SA			
5	Objektorientierte Programmierung in der Logistik / Object-oriented programming in logistics	DE	Dr. Hinckeldeyn	W-6	EC	CM	6	Y	KL			
5	Simulation von Transport- und Umschlagssystemen / Simulation of Transport and Handling Systems	DE	Prof. Jahn	W-12	EC	CM	6	Y	FFA	N	FFST	20
5	Statistik / Statistics	DE / EN	Prof. Schulte	E-10	EC	CM	6	Y	KL			
6	Logistik, Verkehr und Umwelt / Logistics, Transport and Environment	DE	Prof. Flämig	W-8	EC	CM	6	Y	SA			
6	Maschinelles Lernen I / Machine Learning I	DE / EN	Prof. Ay	SD-E	EC	CM	6	Y	KL	N	ÜA	20
6	Prozessmanagement / Process Management	DE	Prof. Kersten	SD-W	EC	CM	6	Y	KL	Y	RE	20
6	Stochastik / Stochastics	DE / EN	Prof. Schulte	E-10	EC	CM	6	Y	KL			
<b>Specialisation Production Management and Processes</b> Compulsory Courses: 18 LP Optional Courses: 18 LP												
4	Grundlagen des Produktions- und Qualitätsmanagements / Fundamentals of Production and Quality Management	EN	Prof. Lödging	M-18	C	CM	6	Y	KL			
4	Prozessmanagement / Process Management	DE	Prof. Kersten	SD-W	C	CM	6	Y	KL	Y	RE	20
5	Automatisierung in der Logistik / Automation in logistics	DE	Prof. Kreutzfeldt	SD-W	EC	CM	6	Y	KL	Y	TE	10
5	Grundlagen der Elektrotechnik / Basics of Electrical Engineering	DE	Prof. Kern	M-4	EC	CM	6	Y	KL			
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	EC	CM	6	Y	KL			
5	Logistische Systeme - Industrie 4.0 / Logistical systems - Industry 4.0	DE	Prof. Kreutzfeldt	W-6	EC	CM	6	Y	SA			
5	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH-M	EC	CM	8	Y	KL			
5	Messtechnik für Maschinenbau / Measurement Technology for Mechanical Engineers	DE / EN	Prof. Kern	M-4	EC	CM	6	Y	FFA	Y	FFST	0
5	Produktionslogistik / Production Logistics	DE	Prof. Blecker	W-2	EC	CM	6	Y	SA			

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5	Verkehrssysteme und Umschlagtechnik / Traffic systems and handling technology	DE	Prof. Jahn	W-12	EC	CM	6	Y	KL	N	SA	10
5-6	Fertigungstechnik / Production Engineering	DE	Prof. Hintze	M-18	C	CM	6	Y	KL			
5-6	Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science	DE	Prof. Weißmüller	M-22	EC	CM	6	Y	KL			
6	Elektrische Maschinen und Antriebe / Electrical Machines and Actuators	DE	Prof. Kern	M-4	EC	CM	6	Y	FFA			
6	Logistik, Verkehr und Umwelt / Logistics, Transport and Environment	DE	Prof. Flämig	W-8	EC	CM	6	Y	SA			
6	Logistikdienstleister-Management / Logistics Service Provider Management	DE	Prof. Flämig	W-8	EC	CM	6	Y	SA			
6	Simulation in der Intralogistik / Simulation of intra logistics	DE	Dr. Hinkeldeyn	W-6	EC	CM	6	Y	KL			

**Specialisation Traffic Planning and Systems** Compulsory Courses: 18 LP Optional Courses: 18 LP

4	Grundlagen der Verkehrswirtschaft / Introduction to Transportation Economics	DE	Prof. Flämig	W-8	C	CM	6	Y	KL			
4	Mobilitätskonzepte / Mobility Concepts	DE	Dr. Gaffron	W-8	C	CM	6	Y	SA	Y	EX	0
5	Verkehrssysteme und Umschlagtechnik / Traffic systems and handling technology	DE	Prof. Jahn	W-12	C	CM	6	Y	KL	N	SA	10
5	Baustatik I / Structural Analysis I	DE	Prof. Oesterle	B-4	EC	CM	6	Y	KL	N	SA	10
5	Geotechnik I / Geotechnics I	DE	Prof. Grabe	B-5	EC	CM	6	Y	KL	N	TE	20
5	Grundlagen der Elektrotechnik / Basics of Electrical Engineering	DE	Prof. Kern	M-4	EC	CM	6	Y	KL			
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	EC	CM	6	Y	KL			
5	Hydromechanik und Hydrologie / Hydromechanics and Hydrology	DE	Prof. Fröhle	B-10	EC	CM	6	Y	KL	Y	ÜA	0
										Y	FFST	0
										Y	GD	0
5	Logistische Systeme - Industrie 4.0 / Logistical systems - Industry 4.0	DE	Prof. Kreuzfeldt	W-6	EC	CM	6	Y	SA			
5	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH-M	EC	CM	8	Y	KL			
5	Simulation von Transport- und Umschlagssystemen / Simulation of Transport and Handling Systems	DE	Prof. Jahn	W-12	EC	CM	6	Y	FFA	N	FFST	20
6	Elektrische Maschinen und Antriebe / Electrical Machines and Actuators	DE	Prof. Kern	M-4	EC	CM	6	Y	FFA			

Re-com. Term	Module						Examination			Course Work		
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6	Graphentheorie und Optimierung / Graph Theory and Optimization	DE / EN	Prof. Taraz	E-10	EC	CM	6	Y	KL			
6	Grundlagen der Strömungsmechanik / Fundamentals of Fluid Mechanics	DE	Prof. Schlüter	V-5	EC	CM	6	Y	KL	N	MT	5
6	Grundlagen des Eisenbahnwesens / Introduction to Railways	DE	Prof. Gertz	W-8	EC	CM	6	Y	KL			
6	Logistik, Verkehr und Umwelt / Logistics, Transport and Environment	DE	Prof. Flämig	W-8	EC	CM	6	Y	SA			
6	Logistikdienstleister-Management / Logistics Service Provider Management	DE	Prof. Flämig	W-8	EC	CM	6	Y	SA			
6	Luftfahrtsysteme / Aeronautical Systems	DE	Prof. Thielecke	M-7	EC	CM	6	Y	KL			
6	Planungs- und Umweltrecht/ Nachhaltige Stadtentwicklung / Planning Law and Environmental Law/ Sustainable Urban Development	DE	Prof. Otterpohl	B-2	EC	CM	6	Y	FFA			
6	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Dr. Speerforck	M-21	EC	CM	6	Y	KL			
<b>Thesis</b> Compulsory Courses: 12 LP Optional Courses: 0 LP												
6	Bachelorarbeit / Bachelor Thesis		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB			

#### Explanation:

<sup>1</sup>C=Compulsory, EC=Elective Compulsory

<sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module

<sup>3</sup>KL=Written exam, MT=Midterm, SA=Written elaboration, FFA=Subject theoretical and practical work, FFST=Subject theoretical and practical work, MP=Oral exam, RE=Presentation, GD=Group discussion, STA=Study work, AB=Thesis, UA=Exercises, EX=Participation in excursions, TE=Attestation

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, HÜ=Recitation Section (large)

<sup>6</sup>DE=German, EN=English, DE/EN=German and English

<sup>7</sup>SWS=Contact hours