

Exclosure to Subject Specific Regulations
 from 14.04.2021
 for Bachelor-Programme
 Wirtschaftsingenieurwesen - Fachrichtung Logistik und Mobilität
 at TUHH dual study program
 Programme Director: Prof. Heike Flämig
 Total: 210 CP
 Number of Specialisations to choose: 1



Course Scheme Bachelor Engineering and Management - Major in Logistics and Mobility (WILUMBS) dual study program

Consolidated Version
 for Study Cohort: WiSe23/24
 en_head_sda
 and Approval of Chair from:
 12.04.2023
 In Force on: 01.10.2023
 Out of Force on: 31.03.2028

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 (%) | |
| Core Qualification Compulsory Courses: 150 LP Optional Courses: 12 LP | | | | | | | | | | | | | |
| 1 | Einführung in Logistik und Mobilität / Introduction to Logistics and Mobility | DE | Prof. Flämig | W-8 | C | CM | 6 | Y | KL | Y | SA | 2.5 | |
| | | | | | | | | | | Y | RE | 2.5 | |
| | | | | | | | | | | Y | ÜA | 2.5 | |
| | | | | | | | | | | Y | SA | 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 | Praxismodul 1 im dualen Bachelor / Practical module 1 (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | | |
| 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 | Praxismodul 2 im dualen Bachelor / Practical module 2 (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | | |
| 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 | |

| | | Module | | | | | Examination | | | Course Work | | |
|--------------|--|----------|---------------------------|-------------|----------|-----------|-------------|---|---------------------|-------------|------------------|--------------|
| Re-com. Term | 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 %) |
| 3 | Grundlagen der Volkswirtschaftslehre / Introduction to Economics | EN | Prof. Heinrich | W-5 | C | CM | 6 | Y | KL | | | |
| 3 | Informatik für Ingenieur*innen - Einführung & Überblick / Computer Science for Engineers - Introduction and Overview | DE / EN | Prof. Fey | E-13 | C | CM | 6 | Y | KL | N | TE | 10 |
| 3 | Praxismodul 3 im dualen Bachelor / Practical module 3 (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | |
| 3 | Projektmanagement und Kostenrechnung / Project Management and Accounting | DE | Prof. Meyer | W-1 | C | CM | 6 | Y | KL | | | |
| 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 | 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 | IT-Anwendungen für Logistik und Mobilität / IT applications for logistics and mobility | DE | Dr. Wolff | W-8 | C | CM | 6 | Y | KL | | | |
| 4 | Praxismodul 4 im dualen Bachelor / Practical module 4 (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | |
| 4 | Unternehmensführung / Management | DE | Prof. Wrona | W-10 | C | CM | 6 | Y | KL | | | |
| 5 | Ethik und Technik - Responsible Innovation / Ethics and Technology - Responsible Innovation | DE | NN | Not defined | C | CM | 4 | Y | FFA | | | |
| 5 | Praxismodul 5 im dualen Bachelor / Practical module 5 (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | |
| 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 | | | |
| 5 | Projektseminar WILUM / Project Seminar WILUM | DE / EN | Dozenten des SD W | SD-W | EC | CM | 6 | Y | SA | | | |
| 5 | Studienarbeit Logistik und Mobilität / Project Course Logistics and Mobility | | Dozenten des Studiengangs | 0-TUHH | EC | CM | 6 | Y | STA | | | |
| 6 | Rechtliche Grundlagen für Logistik und Mobilität / Legal Foundations of Logistics and Mobility | DE | Prof. Flämig | W-8 | C | CM | 4 | Y | KL | | | |
| 6 | Planspiel Innovation und Produktentwicklung / Innovation and product development - a business game | EN | Prof. Schweisfurth | W-13 | EC | CM | 6 | Y | FFA | | | |

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| 6 | Unternehmenssimulation Marktstrat / Business Simulation Marktstrat | DE | Prof. Lüthje | W-3 | EC | CM | 6 | Y | FFA | | | |
| 1-6 | Theorie-Praxis-Verzahnung im dualen Bachelor / Linking theory and practice (dual study program, Bachelor's degree) | DE | Dr. Haschke | 0-SLS | C | CM | 6 | N | SA | | | |
| 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 | Elektrische Maschinen und Antriebe / Electrical Machines and Actuators | DE | Prof. Kern | M-4 | EC | CM | 6 | Y | FFA | | | |
| 4 | Graphentheorie und Optimierung / Graph Theory and Optimization | DE / EN | Prof. Taraz | E-10 | EC | CM | 6 | Y | KL | | | |
| 4 | Grundlagen der Konstruktionslehre / Fundamentals of Mechanical Engineering Design | DE | Prof. Krause | M-17 | EC | CM | 6 | Y | KL | | | |
| 4 | Logistikdienstleister-Management / Logistics Service Provider Management | DE | Prof. Flämig | W-8 | EC | CM | 6 | Y | SA | | | |
| 4 | Neue Technologien und Märkte / New Technologies and Markets | DE | Prof. Lüthje | W-3 | EC | CM | 6 | Y | FFA | | | |
| 4 | Simulation in der Intralogistik / Simulation of intra logistics | DE | NN | W-6 | EC | CM | 6 | Y | KL | | | |
| 5 | Automatisierung in der Logistik / Automation in logistics | DE | NN | SD-W | C | CM | 6 | Y | KL | Y | TE | 10 |
| 5 | Mathematik III / Mathematics III | DE | Prof. Lindner | 0-UNIHH-M | C | CM | 8 | Y | KL | | | |
| 5 | Algorithmen und Datenstrukturen / Algorithms and Data Structures | DE / EN | Prof. Mnich | E-11 | EC | CM | 6 | Y | KL | N | ÜA | 20 |
| 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 | NN | E-14 | EC | CM | 6 | Y | KL | | | |
| 5 | Logistische Systeme - Industrie 4.0 / Logistical systems - Industry 4.0 | DE | Prof. Kreuzfeldt | W-6 | EC | CM | 6 | Y | SA | | | |
| 5 | Objektorientierte Programmierung in der Logistik / Object-oriented programming in logistics | DE | NN | W-6 | EC | CM | 6 | Y | KL | | | |
| 5 | Prozessmanagement / Process Management | DE | Prof. Thies | SD-W | EC | CM | 6 | Y | KL | Y | SA | 20 |
| 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 | | | |

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| 5 | Strategisches Management technologischer Innovation / Strategic Management of Technological Innovation | EN | Prof. Schweisfurth | W-13 | EC | CM | 6 | Y | KL | Y | FFST | 20 | |
| 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 | E-21 | EC | CM | 6 | Y | KL | N | ÜA | 20 | |
| 6 | Stochastik / Stochastics | DE / EN | Prof. Schulte | E-10 | EC | CM | 6 | Y | KL | | | | |
| Specialisation Production Management and Processes Compulsory Courses: 18 LP Optional Courses: 18 LP | | | | | | | | | | | | | |
| 4 | Fertigungstechnik / Production Engineering | DE | Prof. Dege | M-18 | C | CM | 6 | Y | KL | | | | |
| 4 | Grundlagen des Produktions- und Qualitätsmanagements / Fundamentals of Production and Quality Management | EN | Prof. Lödding | M-18 | C | CM | 6 | Y | KL | | | | |
| 4 | Grundlagen der Konstruktionslehre / Fundamentals of Mechanical Engineering Design | DE | Prof. Krause | M-17 | EC | CM | 6 | Y | KL | | | | |
| 4 | Neue Technologien und Märkte / New Technologies and Markets | DE | Prof. Lühje | W-3 | EC | CM | 6 | Y | FFA | | | | |
| 5 | Prozessmanagement / Process Management | DE | Prof. Thies | SD-W | C | CM | 6 | Y | KL | Y | SA | 20 | |
| 5 | Automatisierung in der Logistik / Automation in logistics | DE | NN | 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 | FFA | N | FFST | 20 | |
| 5 | Grundlagen der Regelungstechnik / Introduction to Control Systems | DE | NN | E-14 | EC | CM | 6 | Y | KL | | | | |
| 5 | Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science | DE | Prof. Weißmüller | M-22 | EC | CM | 6 | Y | KL | | | | |
| 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. Lindner | 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 | N | FFA | Y | FFST | 0 | |
| 5 | Objektorientierte Programmierung in der Logistik / Object-oriented programming in logistics | DE | NN | W-6 | EC | CM | 6 | Y | KL | | | | |
| 5 | Produktionslogistik / Production Logistics | DE | Prof. Blecker | W-2 | EC | CM | 6 | Y | SA | | | | |
| 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 | Strategisches Management technologischer Innovation / Strategic Management of Technological Innovation | EN | Prof. Schweisfurth | W-13 | EC | CM | 6 | Y | KL | Y | FFST | 20 | |

| | | Module | | | | | Examination | | | Course Work | | |
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| Re-com. Term | 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 %) |
| 5 | Verkehrssysteme und Umschlagtechnik / Traffic systems and handling technology | DE | Prof. Jahn | W-12 | EC | CM | 6 | Y | KL | N | SA | 10 |
| 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 | NN | 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 |
| 4 | Neue Technologien und Märkte / New Technologies and Markets | DE | Prof. Lüthje | W-3 | EC | CM | 6 | Y | FFA | | | |
| 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 | FFA | N | FFST | 20 |
| 5 | Grundlagen der Regelungstechnik / Introduction to Control Systems | DE | NN | 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. Lindner | 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 |
| 5 | Strategisches Management technologischer Innovation / Strategic Management of Technological Innovation | EN | Prof. Schweisfurth | W-13 | EC | CM | 6 | Y | KL | Y | FFST | 20 |

| | | Module | | | | | Examination | | | Course Work | | |
|--|---|----------|----------------------|-----------|----------|-----------|-------------|-------|---------------------|-------------|------------------|--------------|
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| 6 | Elektrische Maschinen und Antriebe / Electrical Machines and Actuators | DE | Prof. Kern | M-4 | EC | CM | 6 | Y | FFA | | | |
| 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. Speerforck | M-21 | EC | CM | 6 | Y | KL | | | |
| Thesis Compulsory Courses: 12 LP Optional Courses: 0 LP | | | | | | | | | | | | |
| 6 | Bachelorarbeit im dualen Studium / Bachelor thesis (dual study program) | | Professoren der TUHH | 0-TUHH | C | CM | 12 | Y | AB | | | |

Explanation:

¹C=Compulsory, EC=Elective Compulsory

²CM=Compulsory Defined Module, OM=Optional Defined Module

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

⁴CP=Credit Points

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

⁶DE=German, EN=English, DE/EN=German and English

⁷SWS=Contact hours