LISTE DES COURS

UNIVERSITÉ D'ACCUEIL	**Hochschule Darmstadt, University of Applied Sciences**
SEMESTRE DANS LE CURSUS	**Tous**
PROGRAMME DU CLUSTER	**Tous**
SAISON	**Tous**
LANGUE D'ENSEIGNEMENT	**Tous**
DOCUMENT CRÉÉ LE	**21/11/2026**

546 cours · 2 846.8 ECTS au total

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
30.2508	.Net Framework and C# [ELECTIVE]	English	Spring	5.0
185236	Advanced Concrete Technology	English, Deutsch	Spring	5.0
MC01	Advanced digital signal processing	English	Fall	5.0
MK.4170	Advanced Elastostatics	—	Fall, Spring	5.0
MK.2080	Advanced Engineering Design	Deutsch	Fall, Spring	5.0
MM03	Advanced Microcontroller Systems and Embedded Operating Systems	English	Fall	5.0
MC02	Advanced modulation	English	Spring	5.0
MM01	Advanced Progamming Techniques	English	Fall	5.0
30.2678	Advanced Programming in Python [ELECTIVE]	Deutsch	Spring	5.0
MK.2000	Advanced Research Project(s)	English	Fall, Spring	5.0
184310	Advanced seminar research project traffic and transport	Deutsch	Fall, Spring	7.5
—	Advanced sensors for the IoT	English	Fall	?
MC04	Advanced software design and development	English	Fall	5.0
MMwp04	Advanced Software Design Techniques	English	Fall	5.0
30.2650	Advanced Systems Programming [ELECTIVE]	English	Spring	5.0
30.2476	Advanced Testing [ELECTIVE]	Deutsch	Spring	5.0
MK.2130	Advanced Thermodynamics and Renewable Energies	Deutsch	Fall, Spring	5.0
30.2566	Advanced Web Development [ELECTIVE]	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
185303	Air transport	Deutsch	Fall, Spring	5.0
30.7118	Algorithms and Data Structures	Deutsch	Fall, Spring	5.0
EENG H1018	Analogue Electronics	English	—	5.0
FBW14433	Application Systems	Deutsch	Fall, Spring	5.0
203180	Applied Geology: Hydrogeology and Engineering Geology	Deutsch	Fall	5.0
FBW14423	Applied International Economic Research Methods	English	Fall, Spring	5.0
FBW133	Applied Macro Economics	Deutsch	Fall	5.0
FBW12500	Applied Macro-economics	Deutsch	Fall, Spring	5.0
FBW124	Applied Micro Economics	Deutsch	Spring	5.0
FBW11500	Applied Micro-economics	Deutsch	Fall, Spring	5.0
FBW14473	Auditing	Deutsch	Fall, Spring	5.0
184305	Audits in traffic and transport	Deutsch	Spring	7.5
—	Autonomous mobile robots	English	Fall	?
205100	Bachelor Thesis	English, Deutsch	Fall, Spring	15.0
FBW16300	Bachelor Thesis	English, Deutsch	Fall, Spring	15.0
M0323	Bachelor Thesis Module	—	Fall, Spring	15.0
181110	Basics in Building Operations	Deutsch	Fall	5.0
FBW13300	Basics in Controlling	Deutsch	Fall, Spring	5.0
FBW13500	Basics in Logistics	Deutsch	Fall, Spring	5.0
203440	Basics of Road Safety	Deutsch	Fall	5.0
181105	Basics of Building Economics	Deutsch	Fall, Spring	5.0
183330	Basics of road safety	Deutsch	Fall, Spring	5.0
1812320	Basics of structural engineering	Deutsch	Fall	5.0
183299	BIM (Building Information Modeling) 1	Deutsch	Fall, Spring	5.0
185199	BIM 2	Deutsch	Spring	5.0
201200	Biology and Chemistry	Deutsch	Fall	5.0
181215	Building Construction 1	Deutsch	Fall	5.0
185218	Building Construction 2	Deutsch	Spring	5.0
185230	Building Construction Project	Deutsch	Fall	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
183120	Building Economics	Deutsch	Fall	5.0
183510	Building history of Rome 1	Deutsch	Fall	2.5
183515	Building history of Rome 2	Deutsch	Spring	2.5
185299	Building Information Modeling (BIM) 2	Deutsch	Spring	5.0
183199	Building Information Modeling 1 (BIM 1)	Deutsch	—	5.0
185242	Building maintenance in existing buildings	Deutsch	Fall, Spring	5.0
181225	Building Materials 1	Deutsch	Fall	5.0
1812310	Building Materials 2	Deutsch	Spring	5.0
183280	Building materials testing	Deutsch	Fall, Spring	5.0
183293	Building Physics	Deutsch	Spring	5.0
P 5021	Building theory II	Deutsch	Fall	2.5
183505	Buildings of New York	Deutsch	Spring	2.5
FBW12600	Business Statistics	Deutsch	Fall, Spring	5.0
FBW14100	Business English (b2/C1)	Deutsch	Fall, Spring	5.0
FBW141	Business English 1	English	Spring	5.0
FBW151	Business English 2	English	Fall	5.0
FBW12200	Business Informatics	Deutsch	Fall, Spring	5.0
FBW13200	Business Informatics II	Deutsch	Fall, Spring	5.0
FBW126	Business Informatics I	Deutsch	Spring	5.0
FBW136	Business Informatics II	Deutsch	Fall	5.0
FBW14300	Business Law	Deutsch	Fall, Spring	5.0
FBW116	Business Mathematics	Deutsch	Fall	5.0
FBW11600	Business Mathematics (Math for Economics)	Deutsch	Fall, Spring	5.0
FBW132	Business Simulation & Scientific Writing	Deutsch	Fall	5.0
FBW146	Business Simulation Seminar	Deutsch	Spring	5.0
FBW125	Business Statistics	Deutsch	Spring	5.0
P 5031	CAAD III: 3D architectural visualisation	Deutsch	Fall	2.5
201850	CAD / GIS - Computer Aided Design / Geoinformation Systems	English, Deutsch	Fall	5.0
183227	CAD and FEM	Deutsch	Spring	5.0
—	Catalogue Social & Culture	Deutsch	Fall	2.5

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
203485	Circular Economy Strategies for Engineering Materials and Energy Technologies	English	Spring	5.0
202300	Circular Economy	Deutsch	Fall	5.0
710	Circular Economy and Waste Treatment 2	Deutsch	Spring	5.0
183475	Circular Economy Strategies for Engineering Materials and Energy Technologies	English	Spring	5.0
183425	Circular Economy/Waste Technology 1	Deutsch	Fall	5.0
183427	Circular Economy: Engineering Laboratory	Deutsch	Spring	5.0
—	Coded data communications	Deutsch	Fall	5.0
775	Commercial Transport	Deutsch	—	5.0
185330	Commercial Transport	Deutsch	Fall	5.0
183545	Communication and Public Relationship in Civil Engineering Projects	Deutsch	Fall	5.0
—	Communication systems	Deutsch	Spring	5.0
30.2548	Compiler Construction [ELECTIVE]	English	Fall	5.0
FBW16200	Complementary seminar to internship	Deutsch	Fall, Spring	3.0
MK.5000	Complementary Studies in Social Sciences	—	Fall, Spring	2.5
MK.4000	Complementary Studies in Social Sciences	—	Fall, Spring	2.5
MK.1900	Component Modelling and Optimization	Deutsch	Fall, Spring	5.0
185212	Composite Construction	Deutsch	Spring	5.0
901050	Compulsory elective module - Impromptu design	English, Deutsch	Fall, Spring	1.3
903050	Compulsory elective module architecture	Deutsch	Fall, Spring	2.5
182310	Computer Aided Traffic Engineering	Deutsch	Spring	5.0
182210	Computer Application in Structural Engineering	Deutsch	Spring	5.0
30.7106	Computer Architecture	Deutsch	Fall, Spring	5.0
30.7330	Computer Networks	Deutsch	Fall, Spring	5.0
MK.2190	Computer science	—	Fall, Spring	5.0
706.3531	Computer-Aided Methods, CAx	English, Deutsch	Fall, Spring	5.0
183565	Concrete Canoe	English, Deutsch	Fall, Spring	5.0
183285	Concrete Structures Project	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
P 5042	Construction	Deutsch	Spring	2.5
183605	Construction and Society	Deutsch	Fall	2.5
P 901043	Construction I	Deutsch	Fall	2.0
P 902042	Construction II	Deutsch	Spring	2.0
185127	Construction in existing buildings	Deutsch	Spring	5.0
P 901042	Construction Management	Deutsch	Fall	2.0
201500	Construction Materials	Deutsch	Spring	5.0
183105	Construction Methods 2	Deutsch	Spring	5.0
183110	Construction Methods 3	Deutsch	Fall	5.0
30.2652	Construction of Multi-Touch and Multi-User Interfaces [ELECTIVE]	English	Spring	5.0
183115	Construction Project	Deutsch	Spring	5.0
202050	Contaminated Land Remediation	Deutsch	Spring	5.0
184115	Contract Management and Project	Deutsch	Fall	7.5
MK.3540a	Control engineering	Deutsch	Fall, Spring	7.5
FBW134	Controlling	Deutsch	Fall	5.0
MK.2865	Conveyor technology, material flow technology and logistics	Deutsch	—	5.0
184105	Corporate Accounting in Construction	Deutsch	Spring	10.0
FBW13600	Corporate Taxation	Deutsch	Fall, Spring	5.0
FBW12300	Cost Accounting (internal)	Deutsch	Fall, Spring	5.0
730	Cost and Financial Controlling for Environmental Engineers	Deutsch	Fall	5.0
84.7412	Cryptology [ELECTIVE]	Deutsch	Spring	5.0
185130	Current Topics in Real Estate	Deutsch	—	2.5
755	Dams and Dikes	Deutsch	—	5.0
185403	Dams and Dikes	Deutsch	—	5.0
30.2512	Data Warehouse Technologies [ELECTIVE]	Deutsch	—	5.0
30.7326	Databases	Deutsch	Fall, Spring	5.0
30.2612	Decision theory [ELECTIVE]	Deutsch	Fall	5.0
770	Design of urban arterial roads	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
185245	Design and Construction of Bridges	Deutsch	Spring	5.0
P 901011	Design and planning I	English, Deutsch	Fall	10.0
P 902011	Design and planning II	English, Deutsch	Spring	10.0
185318	Design of urban arterial roads	Deutsch	Spring	5.0
P 903034	Design Theory - Colour and Environment	Deutsch	Spring	2.5
P 5033	Design Theory – Colour and architecture	Deutsch	Fall	2.5
P 5034	Design Theory – Colour and space	Deutsch	Spring	2.5
183250	Detailing of Reinforcement in Concrete Structures	Deutsch	Fall, Spring	5.0
30.7400	Development of Web-Based Applications	Deutsch	Fall, Spring	5.0
30.2656	DevOps Engineering with Kubernetes [ELECTIVE]	Deutsch	Fall	5.0
185139	Digital approach in design, construction and operating phase of buildings	Deutsch	Spring	5.0
MCwp01	Digital signal processing applications	—	—	2.5
MMwp06	Digital Signal Processing Chain	English	Spring	2.5
MMwp03	Digital System Design	English	Spring	5.0
30.2618	Digital Transformation [ELECTIVE]	Deutsch	Spring	5.0
—	Diploma project (start)	—	—	?
30.7404	Distributed Systems	Deutsch	Fall, Spring	5.0
FBW14442	Distribution & reverse logistics	Deutsch	Fall, Spring	5.0
FBW121	Distribution and Reverse Logistics	Deutsch	Spring	5.0
MK.1051	Drive Technology	Deutsch	Fall, Spring	5.0
MK.4364	Eco-Design	English	Spring	5.0
MK.4425	Economics and Systainability in Enterprises	Deutsch	Fall, Spring	5.0
201450	Economy and law for construction and operation phases	Deutsch	Spring	5.0
MK.1250	Economy for Engineers	Deutsch	Fall, Spring	5.0
30.2668	Effective Agile Software Projects in Industrial Practice [ELECTIVE]	Deutsch	Spring	5.0
FBW-142	Elective 1: International logistics project	—	Spring	5.0
FBW142	Elective 1: Operations Research Lab	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
FBW-152	Elective 2: Logistics solutions in the courier and parcel industry	Deutsch	Fall	5.0
FBW152	Elective 2: material flow technique	Deutsch	Fall	5.0
204050	Elective non-technical complementary studies	English, Deutsch	Fall, Spring	5.0
30.XXXX	Electives	English, Deutsch	Fall, Spring	5.0
MK. 1630	Electrical Engineering	Deutsch	Fall, Spring	5.0
MK.1610a	Electrical Engineering Laboratory	—	Fall, Spring	0.0
MM05	Embedded Architectures and Applications	English	Spring	5.0
MM07	Embedded Signal Processing Systems	English	Spring	5.0
30.2682	Embedded Systems	Deutsch	Fall, Spring	5.0
185233	Energy reduction in building constructions	Deutsch	Spring	5.0
202100	Energy-efficient and sustainable construction	Deutsch	Spring	5.0
P 901044	Energy-Efficient Building I	Deutsch	Fall	2.0
183292	Energy-efficient buildings verification methodology	Deutsch	Fall	5.0
186505	Engineering approaches for sustainable developments	English, Deutsch	Fall	5.0
805	Engineering approaches for sustainable developments	English, Deutsch	Fall	5.0
PRFD 2111	Engineering Economics and Management	—	—	?
183212	Engineering Geology and Rock Mechanics	English, Deutsch	Fall	5.0
181210	Engineering Mechanics 2	Deutsch	Spring	5.0
203270	Engineering Practical Course Circular Economy	Deutsch	—	5.0
—	Engineering project	Deutsch	Spring	5.0
—	Engineering sciences 1	Deutsch	Fall	5.0
—	Engineering sciences 2	Deutsch	Spring	5.0
183535	English for Civil Engineers	English	Fall, Spring	2.5
202200	English for Environmental Engineering	English	Spring	2.5
30.2658	Enterprise Information Systems [ELECTIVE]	English	Spring	5.0
201600	Environmental Law	Deutsch	Spring	2.5
185421	Environmental Analytics	English, Deutsch	Fall	5.0

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201650	Environmental and Spatial Planning	Deutsch	Fall	5.0
203060	Environmental Chemistry	Deutsch	Spring	5.0
185415	Environmental Engineering	Deutsch	Fall	5.0
725	Environmental Geotechnical Engineering	Deutsch	Spring	5.0
183625	Environmental Law	Deutsch	Spring	2.5
720	Environmental Law 2	Deutsch	Spring	5.0
203240	Environmental Management	Deutsch	Fall	5.0
203120	Environmental Planning in Practice	Deutsch	Spring	5.0
201400	Environmental Process Technologies	Deutsch	Spring	5.0
183525	Environmental Seminar	Deutsch	Fall	2.5
185315	Equipment of Traffic Tunnels	Deutsch	Fall	2.5
FBW156	ERP/SAP Seminar	Deutsch	Fall	5.0
MGwp03	Ethics, Engineering, and Ecology	English	Spring	2.5
FBW14421	European Economics and Politics	English	Fall, Spring	5.0
MEM_460	F	—	—	?
MK.1780	Failure Analysis	English	Spring	5.0
MC06	Fields, waves and antennas	English	Spring	5.0
FBW113	Financial Accounting	Deutsch	Fall	5.0
FBW11300	Financial Accounting (external)	Deutsch	Fall, Spring	5.0
FBW14471	Financial accounting II	Deutsch	Fall, Spring	5.0
FBW14412	Financial Management	English, Deutsch	Fall, Spring	5.0
185251	Finite Element Method	Deutsch	Spring	5.0
MK.3820	Fluid mechanics (lecture and laboratory/tutorial)	Deutsch	Fall, Spring	5.0
183135	Formwork and Shuttering	Deutsch	Spring	5.0
183217	Foundations and deep excavations	Deutsch	Spring	5.0
184210	Foundations for high rise buildings	Deutsch	Fall	7.5
MM04	FPGA-based System on Chip Design	English	Fall	5.0
MK.1790	Fracture Mechanics	English	Spring	5.0
P 902021	Freely selectable lectures and seminars	Deutsch	Spring	5.0
MK.4030	Fundamentals of Acoustics	Deutsch	—	5.0

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MK.4130a	Fundamentals of Elastostatics	—	Fall, Spring	5.0
201800	Fundamentals of Electrical Engineering	Deutsch	Fall	5.0
30.2536	Genetic Algorithms [ELECTIVE]	English	Spring	5.0
183343	Geodesy 1	Deutsch	Spring	5.0
183345	Geodesy 2	Deutsch	Fall	5.0
182410	Geoinformationsystems in Water Resources Management	English, Deutsch	Fall, Spring	5.0
201900	Geotechnical Engineering	Deutsch	Fall	5.0
183507	Geotechnical Field Trip	Deutsch	—	2.5
183211	Geotechnical Laboratory and Field Techniques	Deutsch	Spring	5.0
181245	Geotechniques 1	Deutsch	Fall	5.0
183205	Geotechniques 2	Deutsch	Spring	5.0
902212011	German as a foreign language A1.1: Intensive course for international students	English, Deutsch	Fall, Spring	4.0
90212012	German as a foreign language A1.2: Extensive course for international students	English, Deutsch	Fall, Spring	4.0
183335	GIS at traffic system	Deutsch	Fall, Spring	5.0
185215	Glass Construction	Deutsch	Spring	5.0
P 901031	Graphical representation - Interior Space and Atmosphere	Deutsch	Fall	2.0
185418	Groundwater Hydraulics and Geothermal Engineering	Deutsch	Spring	5.0
FBW14472	Group accounting	Deutsch	Fall, Spring	5.0
—	High frequency and microwave engineering	Deutsch	Spring	5.0
30.2664	High Performance I/O [ELECTIVE]	English	Fall	5.0
P 5023	History of urban planning	Deutsch	Spring	2.5
30.7328	Human Computer Interaction	Deutsch	Fall, Spring	5.0
FBW15300	Human Resource Management	Deutsch	Fall, Spring	5.0
FBW143	Human Resource Management	Deutsch	Spring	5.0
MK.2150	Hybrid construction	Deutsch	Fall, Spring	5.0
203300	Hydraulic Engineering Laboratory	English, Deutsch	Fall	5.0
203260	Hydraulic Engineering 1	Deutsch	Spring	5.0

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203280	Hydraulic Engineering 2	English, Deutsch	Spring	5.0
183405	Hydraulic Engineering 1	Deutsch	Spring	5.0
183410	Hydraulic Engineering 2	English, Deutsch	Fall	5.0
183435	Hydraulic Engineering Laboratory	English, Deutsch	Fall	5.0
203340	Hydraulical Calculation of Treatment Plants, Sewer Overflows and Retention Basins	Deutsch	Spring	5.0
201150	Hydraulics	Deutsch	Fall	5.0
181405	Hydraulics 1	Deutsch	Spring	5.0
183430	Hydraulics of Sewerage Structures and Wastewater Treatment Plants	Deutsch	Spring	5.0
750	Hydrological Modelling	Deutsch	—	5.0
184425	Hydrological and Hydraulic Catchment Modelling Project	Deutsch	Fall	7.5
185436	Hydrological Modelling	Deutsch	Fall	5.0
183560	Ideas and Concepts for realising the Sustainable Development Goals	Deutsch	Spring	5.0
MCwp08	Image and video processing	English	—	2.5
201750	Immission Control	Deutsch	Fall	5.0
MC07	Information networks	English	Spring	5.0
30.7514	Information Technology and Society	English, Deutsch	Fall, Spring	2.5
IPMI_47	Integrated management of wastes	—	—	?
185142	Integrated Project Delivery (IPD)	Deutsch	Fall, Spring	5.0
FBWXX	intensive German language course	—	Fall, Spring	4.0
FBWX	intercultural seminar	—	Fall, Spring	2.5
MK.3000	Interdisciplinary Challenges of Social Developments	English	Fall, Spring	2.5
902050	Interdisciplinary compulsory elective module I + II	Deutsch	Fall, Spring	2.5
185188	International Construction	Deutsch	Spring	5.0
635	International Environmental Engineering Project (Course not offered any more)	English	—	7.5
183506	International Geotechnical Project	Deutsch	Fall, Spring	2.5

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
FBW14422	International Management	English	Fall, Spring	5.0
FBW14451	International Marketing	Deutsch	Fall, Spring	5.0
185324	International practical studies in traffic and transport 1	English, Deutsch	Fall, Spring	2.5
185327	International practical studies in traffic and transport 2	English, Deutsch	Fall	2.5
203230	International Project Management	English	Fall, Spring	5.0
183123	International Project Management	English	Fall	5.0
205050	Internship	English, Deutsch	Fall, Spring	15.0
FBW16100	Internship (practical modul)	Deutsch	Fall, Spring	12.0
M0363	Internship Mechanical Engineering	—	—	15.0
M03	Internship, including German class and preliminary seminar	—	Fall, Spring	30.0
FBW115	Introduction Logistics	Deutsch	Fall	5.0
30.2662	Introduction to Artificial Intelligence	English, Deutsch	—	5.0
FBW11100	Introduction to Business Administration	Deutsch	Fall, Spring	5.0
FBW111	Introduction to Business Administration	Deutsch	Fall	5.0
30.7114	Introduction to Business Informatics	Deutsch	Fall, Spring	5.0
FBW11400	Introduction to Business Law	Deutsch	Fall, Spring	5.0
MK.3832	Introduction to CFD of incompressible media	English	Fall	5.0
183555	Introduction to engineering approaches for sustainable developments	Deutsch	Spring	5.0
FBW114	Introduction to Law	Deutsch	Fall	5.0
30.2588	Introduction to Machine Learning [ELECTIVE]	English	Spring	5.0
30.2542	Introduction to mobile communication [ELECTIVE]	Deutsch	Fall	5.0
201100	Introduction to Structural Mechanics	Deutsch	Fall	5.0
FBW14432	Introduction to System Development	Deutsch	Fall, Spring	5.0
181250	Introduction to Transport Planning and Traffic Engineering	Deutsch	Fall, Spring	5.0
FBW13400	Investement and Finance	Deutsch	Fall, Spring	5.0
FBW122	Investment and Finance	Deutsch	Spring	5.0

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FBW14413	Investment and Group Controlling	Deutsch	Fall, Spring	5.0
MCwp06	IoT and cloud networking	English	—	2.5
182110	IT applications in construction management	Deutsch	Fall, Spring	5.0
1821110	IT applications in construction management 1	Deutsch	Fall, Spring	2.5
1821120	IT applications in construction management 2	Deutsch	Fall, Spring	2.5
FBW14431	IT Management	Deutsch	Fall, Spring	5.0
30.7126	IT Security	Deutsch	Fall, Spring	5.0
84.7118	IT-Compliance [ELECTIVE]	Deutsch	Spring	5.0
30.2636	Java Enterprise Database-Driven Application Development [ELECTIVE]	Deutsch	Fall	5.0
201300	Job Profile	Deutsch	Fall	5.0
P 5044	Job Profile of an Architect	Deutsch	Fall	2.5
MK.4210	Kinematics and Kinetics	—	Fall, Spring	5.0
202450	Life Cycle Assessment	Deutsch	Spring	5.0
FBW153	Logistics Laboratory	Deutsch	Fall	5.0
MK.2680	Machine Dynamics	Deutsch	Fall, Spring	5.0
MK.2710	Machine Elements and Design 1	Deutsch	Fall, Spring	5.0
MK.2770	Machine Elements and Design 2	Deutsch	Fall, Spring	10.0
FBME26	Machine elements Part II	English	—	5.0
FBW123	Management Accounting	Deutsch	Spring	5.0
FBW11200	Management and Organisation	Deutsch	Fall, Spring	5.0
FBW112	Management and Organisation	Deutsch	Fall	5.0
FBW144	Management of Logistics Projects	Deutsch	Spring	5.0
MK. 1875	Manufacturing Processes	English, Deutsch	Fall, Spring	5.0
FBW131	Marketing	Deutsch	Fall	5.0
FBW12400	Marketing (Basics)	Deutsch	Fall, Spring	5.0
FBW14452	Marketing Management	Deutsch	Fall, Spring	5.0
185601	Master Thesis	English, Deutsch	—	30.0
905	Master Thesis (old course)	English, Deutsch	—	30.0
M04	Master thesis and oral defense	—	Fall, Spring	30.0
M0004	Master Thesis Module	—	—	25.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
MK.4710	Materials Engineering 1	English, Deutsch	Fall, Spring	2.5
MK.4730	Materials Engineering 2	English, Deutsch	Fall, Spring	2.5
MK.4760	Materials Engineering Laboratory	—	Fall, Spring	2.5
201050	Mathematics 1	Deutsch	Fall	5.0
201350	Mathematics 2	Deutsch	Spring	5.0
30.7120	Mathematics 1	Deutsch	Fall, Spring	7.5
MK.2890a	Mathematics 1 for General mechanical engineering (AM)	Deutsch	Fall, Spring	10.0
30.7124	Mathematics 2	Deutsch	Fall, Spring	7.5
MK.2910	Mathematics 2 General Mechanical Engineering	Deutsch	Fall, Spring	5.0
—	Measurement techniques	Deutsch	Fall	5.0
—	Microprocessors	—	—	5.0
MC03	Microwave components and systems	English	Fall	5.0
MCwp04	Mobile communications	Deutsch	—	5.0
—	Modeling the Spread of Pollutants	—	—	?
185112	Moderation Techniques in Construction Management	Deutsch	Fall	2.5
—	Modulation	Deutsch	Fall	5.0
MK.3030	Multi-body Systems	Deutsch	Fall, Spring	5.0
—	Multimedia and user interfaces	Deutsch	Fall	5.0
—	Network communications	Deutsch	Fall	?
MCwp03	Network security	—	—	2.5
—	Network security and management	Deutsch	Spring	5.0
84.7606	Network Security [ELECTIVE]	Deutsch	Spring	5.0
FBW15100	Network thinking in companies	Deutsch	Fall, Spring	5.0
P 901032	New Media I	Deutsch	Fall	2.0
P 902032	New Media II	Deutsch	Spring	2.0
183503	New York Excursion	Deutsch	Spring	2.5
184250	Nonlinear structural analysis	Deutsch	Spring	7.5
MK.3230	Numerical Mathematics	Deutsch	—	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
MK.2100	Numerical Methods in Engineering	Deutsch	—	5.0
183290	Numerical Methods in Geotechnics	Deutsch	Fall, Spring	5.0
30.7206	Object-Oriented Analysis and Design	Deutsch	Fall, Spring	5.0
30.2366	Object-Oriented and Object-Relational Databases [ELECTIVE]	Deutsch	Spring	5.0
30.7220	Operating systems	Deutsch	Fall, Spring	5.0
FBW14411	Operational controlling	Deutsch	Fall, Spring	5.0
MCwp05	Optical communications	English	—	2.5
—	Optical networks	Deutsch	Fall	5.0
185106	OR and Construction Management	Deutsch	Fall, Spring	5.0
FBW14462	Organization and management of non-profit organization	Deutsch	Fall, Spring	5.0
P 901021	Orientation lecture series regarding scinetific work methods for selection	Deutsch	Fall	5.0
183296	Passive House Designer	Deutsch	Fall	5.0
30.2608	Penetration Testing [ELECTIVE]	Deutsch	Spring	5.0
201250	Physics and Fundamentals of Process Technology	Deutsch	Fall	5.0
MK.3270	Physics and measurement technology	—	Fall, Spring	5.0
202500	Plant Engineering and Plant Operation	Deutsch	Spring	5.0
FBW161	practical modul (internship)	—	Spring	5.0
183270	Prefabricated RC structures	Deutsch	Fall	5.0
185254	Prefabrication in Construction	Deutsch	Fall	5.0
ICS_20.00	Presentation of Dissertation	—	—	10.0
183245	Prestressed Concrete 1	Deutsch	Spring	5.0
184215	Prestressed Concrete 2	Deutsch	Fall	7.5
183260	Preventive Fire Protection 1	Deutsch	Fall	5.0
183265	Preventive Fire Protection 2	Deutsch	Spring	5.0
FBW14441	Production & procurement logistics	Deutsch	Fall, Spring	5.0
FBW145	Production and Procurement Logistics	Deutsch	Spring	5.0
MK.3370	Production Engineering	Deutsch	Fall, Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
MK.1875	Production process	Deutsch	Fall, Spring	5.0
MK.4362	Production Systems	Deutsch	Fall, Spring	5.0
FBW12100	Professional presentation & communication & self-management	Deutsch	Fall, Spring	5.0
30.7122	Programming 1	Deutsch	Fall, Spring	7.5
30.7128	Programming 2	Deutsch	Fall, Spring	7.5
203220	Project Management	Deutsch	Fall, Spring	5.0
640	Project Hydraulic Structures	Deutsch	Fall	7.5
FBW13100	Project Management	Deutsch	Fall, Spring	5.0
645	Project urban sewer systems	Deutsch	Fall	7.5
AVRD-P4	Project 4: Expand Realities	—	Spring	17.5
610	Project Circular Economy and Waste Treatment	Deutsch	Spring	7.5
184420	Project Circular Economy/Waste Treatment	Deutsch	Spring	7.5
184135	Project Construction Time Delay Obstruction - Disruption Management	Deutsch	Spring	7.5
183790	Project Dual 1	Deutsch	Fall, Spring	5.0
183792	Project Dual 2	English, Deutsch	Fall, Spring	5.0
202350	Project Environmental and Spatial Planning	Deutsch	Fall	5.0
625	Project Environmental Geotechnical Engineering	Deutsch	Spring	7.5
183522	Project experimental structural engineering	Deutsch	Fall	2.5
184415	Project Hydraulic Structures	Deutsch	Fall	7.5
650	Project Hydrological and Hydraulic Catchment Modelling	Deutsch	Fall	7.5
184140	Project Lean Construction Management	Deutsch	Fall	7.5
660	Project Life Cycle Assessment	Deutsch	Fall	7.5
30.7506	Project Management	Deutsch	Fall, Spring	2.5
183125	Project Management and Project	Deutsch	Fall, Spring	5.0
P 903046	Project Management Architecture	Deutsch	Spring	2.5
FBW14200	Project Modul	English, Deutsch	Fall, Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
615	Project Safety Compliant Plant Engineering and Operation	Deutsch	—	7.5
30.7504	Project System Development	English, Deutsch	Fall, Spring	7.5
184325	Project urban and regional planning	Deutsch	—	7.5
630	Project Urban and Spatial Planning	Deutsch	—	7.5
P 5011	Project V: Building and city	English, Deutsch	Fall	10.0
605	Project Waste Water Treatment	Deutsch	Spring	7.5
184405	Project Wastewater Treatment	Deutsch	Spring	7.5
780	Public Mobility Services in Practice	Deutsch	Spring	5.0
203400	Public Transport 1	Deutsch	Fall	5.0
655	Public Transport 2	Deutsch	Fall	7.5
183610	Public Building Laws 1	Deutsch	Fall	2.5
184120	Public Building Laws 2	Deutsch	Spring	7.5
185340	Public mobility services in practice	Deutsch	Spring	5.0
185136	Public procurement law	Deutsch	Fall	5.0
183315	Public Transport 1	Deutsch	Fall	5.0
184315	Public Transport 2	Deutsch	Fall	7.5
FBW154	QM & Lean Management	English	Fall	5.0
MK.3475	Quality Assurance	Deutsch	—	5.0
FBW135	Quantitative Methods in Logistics	Deutsch	Fall	5.0
FBW14443	Quantitative methods of logistics	Deutsch	Fall, Spring	5.0
185321	Railway Engineering	Deutsch	Fall, Spring	5.0
184130	Real Estate Development	Deutsch	Fall	7.5
183155	Real Estate Economics 1	Deutsch	Fall	5.0
184125	Real Estate Economics 2	Deutsch	Spring	7.5
185409	Recycling Management / Waste Engineering 2	Deutsch	Spring	5.0
203160	Renewable Energy Management	Deutsch	Fall	5.0
183255	Repair of Concrete Structures	Deutsch	Fall	5.0
184005	Research Project	English, Deutsch	Fall, Spring	7.5
MK.1000	Research Project(s)	English	Fall, Spring	5.0
185412	River Ecology / Sediment Transport	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
760	River Ecology/Sediment Transport	Deutsch	Spring	5.0
185306	Road Construction	Deutsch	Spring	5.0
183360	Road design (CAD)	Deutsch	Fall, Spring	5.0
185312	Road operation and maintenance	Deutsch	Fall, Spring	2.5
715	Safety Compliant Plant Engineering and Operation	Deutsch	—	5.0
MMwp02	Safety in Embedded Control Systems	English	Spring	2.5
FBW14453	Sales Management	Deutsch	Fall, Spring	5.0
690	Scientific Research Project	English, Deutsch	—	7.5
30.7418	Scientific work	Deutsch	Fall, Spring	5.0
183540	Scientific working techniques	Deutsch	Spring	2.5
FBW162	scientific writing seminar	Deutsch	Spring	5.0
185118	Selected topics in Construction Economics	Deutsch	Spring	2.5
30.2646	Semantic Knowledge Management in Organisations [ELECTIVE]	Deutsch	Spring	5.0
765	Seminar in Traffic	Deutsch	Spring	5.0
203140	Seminar Environmental Technologies	English, Deutsch	Spring	5.0
185309	Seminar in traffic	Deutsch	Fall, Spring	5.0
183465	Seminar on Environmental Technology	English, Deutsch	Spring	5.0
FBW15200	Seminar Scientific writing	English, Deutsch	Fall, Spring	5.0
183460	Sewage Rehabilitation	Deutsch	Fall	5.0
203360	Sewer System Rehabilitation	Deutsch	Fall	5.0
30.2260	Simulation of robotic systems [ELECTIVE]	English	Spring	5.0
MCwp07	Smart home	English	—	2.5
30.2622	Social Engineering [ELECTIVE]	Deutsch	Spring	5.0
83.7418	Software Development for Embedded Systems [ELECTIVE]	Deutsch	Fall	5.0
30.2600	Software Development for HMI Systems [ELECTIVE]	Deutsch	Spring	5.0
30.7318	Software Engineering	Deutsch	Fall, Spring	5.0
201550	Soil Science / Geology	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
181240	Solid Constructions 1	Deutsch	Fall	5.0
183220	Solid Constructions 2	Deutsch	Spring	5.0
183225	Solid Constructions 3	Deutsch	Fall	5.0
184220	Special Problems in massive constructions	Deutsch	Fall, Spring	7.5
184225	Special Problems in Steel Constructions	Deutsch	Fall	7.5
184110	Special Subjects in construction operations	Deutsch	Spring	7.5
181235	Statics 1	Deutsch	Fall	5.0
183240	Statics 2	Deutsch	Fall	5.0
185209	Statics 3	Deutsch	Fall	5.0
183230	Steel Construction 1	Deutsch	Fall	5.0
185206	Steel Construction 2	Deutsch	Spring	5.0
184245	Steel Structures Project	Deutsch	Spring	7.5
30.2654	Stochastic models and simulation [ELECTIVE]	Deutsch	Spring	5.0
FBW14461	Strategy and management of public value creation	Deutsch	Fall, Spring	5.0
MK.1200	Structural Durability	Deutsch	Spring	5.0
184205	Structural Dynamics	Deutsch	Fall	7.5
183365	Structural Maintenance of Roads and Road Construction Laboratory	Deutsch	Spring	5.0
183520	Student Project	Deutsch	Fall	2.5
203100	Study Trip Ruhr	Deutsch	Spring	5.0
9.02.00	Studying in Germany... and liking it	English	Fall, Spring	2.5
FBWXXX	studying in Germany...and liking it	English	Fall, Spring	2.5
P 901041	Sustainable Construction	Deutsch	Fall	2.0
P 5041	Sustainable Construction II	Deutsch	Fall	2.5
FBW14463	Sustainable development - local, regional and global challenges	Deutsch	Fall, Spring	5.0
203080	Sustainable Urban Planning	Deutsch	Spring	5.0
MM06	System Driven Hardware Design	English	Spring	5.0
M02	Team Project - Embedded and Microelectronics / Telecommunications	English	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
90331209	Technical English for Environmental Engineering	English	Spring	2.5
MK.3940	Technical English for Mechanical Engineering	English	Fall, Spring	2.5
MK.4261	Technical English for Mechatronics	English	—	2.5
M01	Technical Management	English	Fall	5.0
30.7108	Technical Principles of Computer Science	Deutsch	Fall, Spring	5.0
90261031	Technical Writing	Deutsch	—	5.0
P 5043	Tendering, Contracting and Invoicing	Deutsch	Fall	2.5
30.7332	Theoretical Computer Science	Deutsch	Fall, Spring	5.0
MK.4310	Thermodynamics 1	—	Fall, Spring	5.0
MK.4330	Thermodynamics 2	Deutsch	Fall, Spring	2.5
FBW163	Thesis modul	—	Spring	30.0
183235	Timber Construction 1	Deutsch	Spring	5.0
185224	Timber Construction 2	Deutsch	Spring	5.0
203420	Traffic Engineering 1	Deutsch	Spring	5.0
202150	Traffic and Transport	Deutsch	Spring	5.0
184320	Traffic Engineering 2	Deutsch	Fall	7.5
183320	Traffic Engineering 1	Deutsch	Spring	5.0
181310	Traffic Facilities - Inner city	Deutsch	Fall	5.0
183305	Traffic Facilities - Outer City	Deutsch	Spring	5.0
183615	Traffic Law	Deutsch	Fall	2.5
183310	Traffic Route Engineering	Deutsch	Fall	5.0
183340	Transport and Environment	Deutsch	Spring	5.0
FBW155	Transportation Law	Deutsch	Fall	5.0
183216	Tunneling	Deutsch	Spring	5.0
184235	Tunnelling Project	Deutsch	Fall, Spring	7.5
183130	Turn Key Projects 1	Deutsch	Fall	5.0
185103	Turn Key Projects 2	Deutsch	Spring	5.0
183140	Tutorials in Construction Management	Deutsch	Fall	5.0
30.2554	Unix for Software Developers [ELECTIVE]	English	Fall	5.0
745	Urban Water Systems Modelling	Deutsch	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
183355	Urban and regional planning	Deutsch	Spring	5.0
184410	Urban Drainage Project	Deutsch	Spring	7.5
P 5024	Urban planning and design, public space design and landscape	Deutsch	Fall	2.5
185406	Urban Water Systems Modelling	Deutsch	Spring	5.0
MK.4500	Virtual Product Design	Deutsch	Fall, Spring	5.0
30.7416	Visual Computing	Deutsch	Fall, Spring	5.0
MM02	VLSI Design and Testing	English	Fall	5.0
202400	Waste Water Treatment	Deutsch	Spring	5.0
705	Waste Water Treatment 2	Deutsch	Spring	5.0
203480	Wastewater Reuse	English	Fall	5.0
183470	Wastewater Reuse	English	Fall	5.0
183420	Wastewater Treatment 1	Deutsch	Spring	5.0
185424	Wastewater Treatment 2	Deutsch	Spring	5.0
203020	Water Biology	English, Deutsch	Spring	5.0
203040	Water Chemistry	English, Deutsch	Fall	5.0
203380	Water Resources Management	Deutsch	Spring	5.0
202250	Water Treatment	Deutsch	Fall	5.0
183445	Water Chemistry and Biology	English, Deutsch	Spring	5.0
183620	Water Law	Deutsch	Spring	2.5
203320	Water Management in Urban Areas 2	Deutsch	Fall	5.0
201700	Water Management in Urban Areas 1	Deutsch	Fall	5.0
181410	Water Management in Urban Areas 1	Deutsch	Fall	5.0
183415	Water Management in Urban Areas 2	Deutsch	Fall	5.0
183455	Water Resources Management	Deutsch	Spring	5.0
183450	Water Treatment	Deutsch	Fall	5.0
MCwp02	Wireless systems and technologies	Deutsch	—	5.0
203200	Work safety	Deutsch	Fall	5.0
	Total			**2 846.8**