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Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
ARCH	Architecture	1720972	Construction Technology: Performance Analysis for Buildings	Master	winter	4	Course Catalogue	Website
ARCH	Architecture	1720974	Construction Technology: Planning and Building with Light	Master	summer	4	Course Catalogue	Website
ARCH	Architecture	1720702	Construction Technology: Virtual Engineering Virtual and Augmented Reality in Architecture and Urban Design	Master	summer	4	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107445	Designing: Design Project Building Construction 1	Master	both	12	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107343	Designing: Design Project Urban Planning 1	Master	both	12	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107344	Designing: Design Project Building construction or Urban Planning 2	Master	both	12	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107346	Designing: Impromptu Designs	Master	both	4	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107348	Design Specialization: Advanced Design Project Studies 1	Master	both	4	Course Catalogue	Website
ARCH	Architecture	T-ARCH-107353	Design Specialization: Advanced Design Project Studies 2	Master	both	4	Course Catalogue	Website
ARCH	Architecture	1720759	Design Specialization: Advanced Structural Design	Master	both	4	Course Catalogue	Website
ARCH	Architecture		Master Thesis	Master		30	Course Catalogue	Website
ARCH	Architecture	1731095	Urban- and Landscape Planning: Quarter Analysis	Master	winter	4	Course Catalogue	Website
ARCH	Architecture	1731097	Urban- and Landscape Planning: Urban Typologies	Master	summer	4	Course Catalogue	Website
ARCH	Architecture	1731095	Urban- and Landscape Planning: City Theory	Master	winter	4	Course Catalogue	Website
ARCH	Architecture	M-ARCH-103639	Specialization: Research fields	Master	both	6	Course Catalogue	Website
ARCH	Architecture	M-ARCH-103549	Module: Studio Material	Bachelor	winter	10	Course Catalogue	Website
ARCH	Architecture	M-ARCH-103550	Module: Studio Context	Bachelor	summer	10	Course Catalogue	Website

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ARCH	Architecture	M-ARCH-103551	Module: Studio System	Bachelor	winter	10	Course Catalogue	Website
ARCH	Architecture	1720602	Module: Sustainability	Bachelor	winter	4	Course Catalogue	Website
ARCH	Architecture	1720607	Topics of Sustainability	both	both	4	Course Catalogue	Website
ARCH	Architecture	1731096	Urban Energy	both	winter	4	Course Catalogue	Website
ARCH	Architecture	1710405 / 1710404	Topics of Architectural Theory	both	both	4	Course Catalogue	Website
ARCH	Architecture	1710361 / 1710362	Topics of Drawing	both	both	4	Course Catalogue	Website
ARCH	Architecture	1731164	International Urban Design	Master	both	4	Course Catalogue	Website
ARCH	Architecture	1710209 / 1710212	Building Typology	Master	irregular	4	Course Catalogue	Website
ARCH	Architecture	1720755	Structural Analysis	Master	summer	4	Course Catalogue	Website

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BGU	Applied Geosciences	6339080	Geologie	Analysis of Geological Structures	Master	winter	4	Course Catalogue	Website
BGU	Applied Geosciences	6339086	Geologie	Depositional Systems	Master	winter	1	Course Catalogue	Website
BGU	Applied Geosciences	6339090	Geothermie: Energie- und Transportprozessummere	Energiehaushalt der Erde	Master	winter	1,5	Course Catalogue	Website
BGU	Applied Geosciences	6339091	Geothermie: Energie- und Transportprozessummere	Allgemeine Geothermie	Master	winter	3,5	Course Catalogue	Website
BGU	Applied Geosciences	6310600	Reservoir-Geology	Reservoir-Geology	Master	summer	5	Course Catalogue	Website
BGU	Applied Geosciences	6310124	Industrial Minerals and Environment	Industrial Minerals	Master	winter	5	Course Catalogue	Website
BGU	Applied Geosciences	6310425	Angewandte Geothermie	Geothermische Nutzung	Master	summer	4	Course Catalogue	Website
BGU	Applied Geosciences	6310425	Angewandte Geothermie	Exkursion zu Geothermische Nutzung (2 Tage)	Master	summer	1	Course Catalogue	Website
BGU	Applied Geosciences	6339085	Structural Geology	Microstructures	Master	summer	3	Course Catalogue	Website
BGU	Applied Geosciences	6310406	Structural Geology	Field Course Applied Structural Geology	Master	summer	2	Course Catalogue	Website
BGU	Applied Geosciences	6339070	Diagenesis and Cores	Diagenesis	Master	winter	3	Course Catalogue	Website
BGU	Applied Geosciences	6339071	Diagenesis and Cores	Reservoir-Analogs and Core Description	Master	winter	2	Course Catalogue	Website
BGU	Civil Engineering	6221807	Advanced Computational Fluid Dynamics	Parallel Programming Techniques for Engineering	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6221809	Advanced Computational Fluid Dynamics	Numerical Fluid Mechanics II	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6221701	Advanced Fluid Mechanics	Advanced Fluid Mechanics	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6224805	Analysis of Spatial Data	Geostatistics	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6221911	Analysis of Turbulent Flow	Modelling of Turbulent Flow - RANS and LES	Master	winter	3	Course Catalogue	Website
BGU	Civil Engineering	6221806	Analysis of Turbulent Flow	Fluid Mechanics of Turbulent Flow	Master	summer	3	Course Catalogue	Website

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BGU	Civil Engineering	6221909	Environmental Fluid Mechanics	Environmental Fluid Mechanics	Master	winter	6	Course Catalogue	Website
BGU	Civil Engineering	6221802	Experiments in Fluid Mechanics	Experiments in Fluid Mechanics	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6222807	Flow and Sediment Dynamics in Rivers	Seminar Paper 'Flow Behavior of Rivers'	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6222805	Flow and Sediment Dynamics in Rivers	Morphodynamics	Master	summer	0	Course Catalogue	Website
BGU	Civil Engineering	6221801	Groundwater Management	Groundwater Hydraulics	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6221901	Groundwater Management	Numerical Groundwater Modeling	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6222701	Hydraulic Engineering	Multiphase Flow in Hydraulic Engineering	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6222703	Hydraulic Engineering	Design of Hydraulic Structures	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6221815	Hydraulic Structures	Groundwater Flow around Structures	Master	both	3	Course Catalogue	Website
BGU	Civil Engineering	6224807	Hydrological Measurements in Environmental Systems	Hydrological Measurements in Environmental Systems	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6223903	Industrial Water Management	Adapted Technologies	Master	winter	3	Course Catalogue	Website
BGU	Civil Engineering	6223810	Industrial Water Management	Cleaner Production	Master	summer	3	Course Catalogue	Website
BGU	Civil Engineering	6224801	Management of Water Resources and River Basins	Management of Water Resources and River Basins	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6223901	Procesummer Engineering in Wastewater Treatment	Municipal Wastewater Treatment	Master	winter	3	Course Catalogue	Website
BGU	Civil Engineering	6223902	Procesummer Engineering in Wastewater Treatment	International Sanitary Engineering	Master	winter	3	Course Catalogue	Website
BGU	Civil Engineering	6223904	River Basin Modelling	Modelling Masummer Fluxes in River Basins	Master	winter	3	Course Catalogue	Website
BGU	Civil Engineering	6223812	River Basin Modelling	Masummer Fluxes in River Basins	Master	summer	3	Course Catalogue	Website

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BGU	Civil Engineering	T-BGU-109051	Wastewater and Storm Water Treatment	Procesummer Technologies in Water Supply, Storm Water Treatment and Wastewater Disposal	Master	summer	6	Course Catalogue	Website
BGU	Civil Engineering	6222905	Water Distribution Systems	Water Distribution Systems	Master	winter	6	Course Catalogue	Website
BGU	Civil Engineering	T-BGU-109264	Water Ecology	Applied Ecology and Water Quality	Master	summer	6	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101732	Computer Vision and Remote Sensing	Image Procesummering and Computer Vision	Master	winter	3	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101733	Computer Vision and Remote Sensing	Sensors and Signals in Computer Vision & Remote Sensing	Master	summer	2	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101735	Sensors and Measuring Techniques	Sensors and measuring techniques for engineering surveying	Master	winter	1	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101734	Sensors and Measuring Techniques	Sensors and Measuring Techniques	Master	summer	3	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101766	Sensors and Measuring Techniques	Geodetic Reference Frames and Systems	Master	summer	1	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101740	Geodetic Space Methods	Gravity Field Misummerions	Master	winter	1	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101741	Geodetic Space Methods	Positioning	Master	summer	1	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101742	Geoinformatics	Geoinformatics (Part A)	Master	winter	5	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	6021204	Geoinformatics	Geoinformatics (Part B)	Master	summer	5	Course Catalogue	Website

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BGU	Geodesy and Geoinformatics	T-BGU-101743	Numerical Mathematics	Numerical Mathematics	Master	winter	6	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101746	Estimation Theory	Estimation Theory	Master	summer	6	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101766	Geodetic Reference Frames and Systems	Geodetic Reference Frames and Systems	Master	summer	1	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101711	Geodetic Application of SAR Interferometry	Geodetic Application of SAR Interferometry	Master	winter	4	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101752	Scientific GNsummer Data Procesummering	Scientific GNsummer Data Procesummering	Master	summer	3	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101753	GeoDB	GeoDB	Master	winter	4	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101760	3D / 4D GIS	3D / 4D GIS	Master	summer	4	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101716	Augmented Reality	Augmented Reality	Master	winter	4	Course Catalogue	Website
BGU	Geodesy and Geoinformatics	T-BGU-101749	Geosensor Networks / Sensor DB	Geosensor Networks / Sensor DB	Master	winter	3	Course Catalogue	Website
BGU	Geocology	T-BGU-103567	Advanced Hydrology	Water and Energy Cycles in Hydrological Systems: Procesummeres, Predictions and Management	Master	winter	6	Course Catalogue	Website
BGU	Geocology	T-BGU-106597	Advanced Hydrology	Management of Water Resources and River Basins	Master	summer	6	Course Catalogue	Website
BGU	Geocology	T-BGU-106598	Advanced Hydrology	Transport and Transformation of Contaminants in Hydrological Systems	Master	summer	6	Course Catalogue	Website

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BGU	Geoecology	T-BGU-106599	Advanced Hydrology	Hydrological Measurements in Environmental Systems	Master	summer	6	Course Catalogue	Website
BGU	Geoecology	T-BGU-106605	Advanced Hydrology	Geostatistics	Master	summer	6	Course Catalogue	Website
BGU	Geoecology	T-BGU-106786	Advanced Hydrology	Thermodynamics of Environmental Systems	Master	winter	6	Course Catalogue	Website
BGU	Geoecology	T-BGU-106600	Urban Drainage	Urban Water Infrastructure and Management	Master	both	6	Course Catalogue	Website
BGU	Geoecology	T-BGU-109051	Urban Drainage	Procesummer Technologies in Water Supply, Storm Water Treatment and Wastewater Disposal	Master	summer	6	Course Catalogue	Website
INDENG	Geoecology	T-WIWI-100806	Umwelt- und Energiewirtschaft	Renewable Energy – Resources, Technologies and Economics	Master	winter	3,5	Course Catalogue	Website
PHY	Geoecology	T-PHYS-107693	Applied Meteorology	Tropical Meteorology	Master	irregular	3	Course Catalogue	Website
PHY	Geoecology	T-PHYS-108610	Applied Meteorology	Turbulent Diffusion	Master	irregular	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106757	Modeling of Water and Environmental Systems	Modeling of Water and Environmental Systems	Master	winter	3	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106838	Fundamentals of Water Quality	Fundamentals of Water Quality	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106600	Urban Water Infrastructure and Management	Urban Water Infrastructure and Management	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106612	Advanced Fluid Mechanics	Advanced Fluid Mechanics	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106758	Numerical Fluid Mechanics	Numerical Fluid Mechanics	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106759	Hydraulic Engineering	Hydraulic Engineering	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-103567	Water and Energy Cycles	Water and Energy Cycles in Hydrological Systems: Procesummeres, Predictions and Management	Master	winter	6	Course Catalogue	Website

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BGU	Water Science & Engineering	T-BGU-106801	Hydrogeology	Hydrogeology	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106761	Data Analysis and Environmental Monitoring	Data Analysis and Environmental Monitoring	Master	both	9	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106602	Water Ecology	Water Ecology	Master	summer	6	Course Catalogue	Website
CIW	Water Science & Engineering	M-CIWVT-103437	Instrumental Analysis	Instrumental Analysis	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	6224910	Infrastructure Planning – Socio-economic & Ecological Aspects	Infrastructure Planning – Socio-economic & Ecological Aspects	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106765	Introduction to Matlab	Introduction to Matlab	Master	winter	3	Course Catalogue	Website
MATH	Water Science & Engineering	T-MATH-106784	Probability and Statistics	Probability and Statistics	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	6071103	Remote Sensing and Positioning	Terrestrial & Satellite Positioning	Master	winter	3	Course Catalogue	Website
BGU	Water Science & Engineering	6072101	Remote Sensing and Positioning	Remote Sensing & Geo-Information Systems	Master	winter	3	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106802	Water Technology	Water Technology	Master	winter	6	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106819	Membrane Technologies and Excursions	Membrane Technologies in Water Treatment	Master	summer	6	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106820	Membrane Technologies and Excursions	Waste Water Disposal and Drinking Water Supply – Introduction and Excursions	Master	summer	6	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106834	Applied Microbiology	Microbiology for Engineers	Master	summer	4	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106835	Applied Microbiology	Environmental Biotechnology	Master	winter	4	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106840	Practical Course in Water Technology	Practical Course in Water Technology	Master	summer	4	Course Catalogue	Website
BGU	Water Science & Engineering	6223901	Procesummer Engineering in Wastewater Treatment	Municipal Wastewater Treatment	Master	winter	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-109265	Procesummer Engineering in Wastewater Treatment	International Sanitary Engineering	Master	winter	3	Course Catalogue	Website

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BGU	Water Science & Engineering	T-BGU-109051	Wastewater and Storm Water Treatment	Procesummer Technologies in Water Supply, Storm Water Treatment and Wastewater Disposal	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	6223903	Industrial Water Management	Adapted Technologies	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	6223810	Industrial Water Management	Cleaner Production	Master	summer	0	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-108486	Water Distribution Systems	Water Distribution Systems	Master	winter	6	Course Catalogue	Website
CIW	Water Science & Engineering	T-CIWVT-106841	Biofilm Systems	Biofilm Systems	Master	summer	4	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106767	Environmental Fluid Mechanics	Environmental Fluid Mechanics	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	6221911	Analysis of Turbulent Flow	Modelling of Turbulent Flow - RANS and LES	Master	winter	3	Course Catalogue	Website
BGU	Water Science & Engineering	6221806	Analysis of Turbulent Flow	Fluid Mechanics of Turbulent Flow	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106769	Advanced Computational Fluid Dynamics	Parallel Programming Techniques for Engineering	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106768	Advanced Computational Fluid Dynamics	Numerical Fluid Mechanics II	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106774	Hydraulic Structures	Groundwater Flow around Structures	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	6222807	Flow and Sediment Dynamics in Rivers	Seminar Paper 'Flow Behavior of Rivers'	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	6222805	Flow and Sediment Dynamics in Rivers	Morphodynamics	Master	summer	0	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106786	Thermodynamics of Environmental Systems	Thermodynamics of Environmental Systems	Master	winter	6	Course Catalogue	Website
BGU	Water Science & Engineering	6224801	Management of Water Resources and River Basins	Management of Water Resources and River Basins	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	6224803	Subsurface Flow and Contaminant Transport	Transport and Transformation of Contaminants in Hydrological Systems	Master	summer	9	Course Catalogue	Website

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BGU	Water Science & Engineering	6224807	Experimental Hydrology	Hydrological Measurements in Environmental Systems	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106606	Experimental Hydrology	Isotope Hydrology	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	6223904	River Basin Modelling	Modelling Masummer Fluxes in River Basins	Master	winter	3	Course Catalogue	Website
BGU	Water Science & Engineering	6223812	River Basin Modelling	Masummer Fluxes in River Basins	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106791	Protection and Use of Riverine System	Protection and Use of Riverine System	Master	summer	6	Course Catalogue	Website
BGU	Water Science & Engineering	6221801	Groundwater Management	Groundwater Hydraulics	Master	summer	3	Course Catalogue	Website
BGU	Water Science & Engineering	6221901	Groundwater Management	Numerical Groundwater Modeling	Master	winter	3	Course Catalogue	Website
BGU	Water Science & Engineering	T-BGU-106803	Thermal Use of Groundwater	Thermal Use of Groundwater	Master	winter	3	Course Catalogue	Website
PHY	Water Science & Engineering	T-PHYS-107692	Supplementary Module	Seminar on IPCC Asummeresummerment Report	Master	winter	0	Course Catalogue	Website
PHY	Water Science & Engineering	T-PHYS-109143	Applied Meteorology	Turbulent Diffusion	Master	summer	6	Course Catalogue	Website
MECH	ENTECH	6339093	Geologische Gasummerpeicherung	Geological Storage of CO2	Master	winter	4	Course Catalogue	Website

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CHEMBIO	Food Chemistry	6602	Introduction to Food Chemistry I	Bachelor	winter	3	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-100483	Advanced Light Microscopy	Master	summer	7	Course Catalogue	Website
CHEMBIO	Biology	M-CHEMBIO-100351	Genetic Engineering in Prokaryotes	Master	summer	7	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108653	Molecular and Cell Biology of Mycorrhiza	Master	summer	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108654	Molecular Plant-Microbe Interactions	Master	winter	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108673	Phenomics und chemomics	Master	summer	8	Course Catalogue	Website
CHEMBIO	Biology	7151	Photoreceptors	Master	winter	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108619	Phytohormones	Master	winter	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108615	Plant Cell Biology – Methods and Concepts	Master	winter	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108616	Plant Evolution	Master	both	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108629	Plant Gene Technology -Precise Genome Engineering	Master	winter	7	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108652	Protein Biochemistry	Master	summer	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108624	Protein Crystallization	Master	winter	7	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108659	Signaltransduktion und Genregulation I	Master	winter	8	Course Catalogue	Website
CHEMBIO	Biology	T-CHEMBIO-108660	Signaltransduktion und Genregulation II	Master	summer	8	Course Catalogue	Website
CHEMBIO	Chemistry	5011	Instrumental Analytics	Master	winter	3	Course Catalogue	Website
CHEMBIO	Chemistry	5159	Biofunctional materials and nanoparticles	Master	summer	3	Course Catalogue	Website
CHEMBIO	Chemistry	5179	Flow Chemistry	Master	summer	3	Course Catalogue	Website

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CHEMBIO	Chemistry	5184	The Molecular Origins of Life II - Synthetic Life	Master	summer	3	Course Catalogue	Website
CHEMBIO	Chemistry	5446	Fuel Cells: between hydrogen and electricity	Master	summer	3	Course Catalogue	Website
CHEMBIO	Chemistry	5072	Batteries and Fuel Cells	Master	winter	3	Course Catalogue	Website
CHEMBIO	Chemistry	5073	Hydrogen as Energy Carrier	Master	winter	3	Course Catalogue	Website
CHEMBIO	Chemistry	5169	The Molecular Origins of Life II	Master	winter	3	Course Catalogue	Website
CHEMBIO	Chemistry	5262	Molecular Spectroscopy	Master	winter	3	Course Catalogue	Website

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CIW	Bioengineering	T-CIWVT-106802	Water Technology	Master	winter	6	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-106819	Membrane Technologies and Excursions	Master	summer	6	Course Catalogue	Website
BGU	Bioengineering	T-BGU-106787	Process Engineering in Wastewater Treatment	Master	winter	6	Course Catalogue	Website
CIW	Bioengineering	22664	Practical Course in Water Technology	Master	summer	4	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-106834	Microbiology for Engineers	Master	summer	4	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-106835	Environmental Biotechnology	Master	winter	4	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-106841	Biofilm Systems	Master	summer	4	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-108830	Technical Systems for Thermal Waste Treatment	Master	winter	6	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-106103	Physical foundations of cryogenics	Master	summer	6	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-108915	Cryogenic engineering	Master	winter	6	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-108828	Energy from Biomass	Master	winter	4	Course Catalogue	Website
CIW	Bioengineering	22331	Chemical Fuels	Master	summer	4	Course Catalogue	Website
CIW	Bioengineering	T-CIWVT-103704	International Concepts of Water Technologies	Master	summer	5	Course Catalogue	Website

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ETIT	Electrical Engineering and Information Technologies	T-ETIT-100976	Fieldpropagation & Coherence	Master	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100672	Hardware Modelling and Simulation	Master	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100737	Advanced Radio Communications I	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100749	Advanced Radio Communications II	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-101938	Communication Systems and Protocols	both	summer	5	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106852	Digital Signal Processing in Optical Communications – with Practical Exercises	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100640	Electromagnetics and Numerical Calculation of Fields	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-104644	Energy Storage and Network Integration	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100643	Laser Metrology	both	summer	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100741	Laser Physics	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100644	Light and Display Engineering	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100802	Microwave Engineering	both	summer	5	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100735	Modern Radio Systems Engineering	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-101906	Nonlinear Optics	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100676	Optical Engineering	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106506	Optical Networks and Systems	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106462	Optical Systems in Medicine and Life Science	both	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100639	Optical Transmitters and Receivers	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-101945	Optical Waveguides and Fibers	both	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100685	Optimization of Dynamic Systems	both	winter	5	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-101907	Optoelectronic Components	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100763	Plastic Electronics	both	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100729	Radar Systems Engineering	both	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100825	Radiation Protection	both	summer	3	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100774	Solar Energy	both	winter	6	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100810	Space-Borne Microwave Radiometry- Advanced Methods and Applications	both	summer	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106056	Spaceborne Radar Remote Sensing	both	summer	6	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106970	Superconducting Materials for Energy Applications	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100675	Systems and Software Engineering	both	winter	5	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100677	Systems Engineering for Automotive Electronics	both	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106853	Thin films: technology, physics and applications I	both	summer	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-108121	Thin films: technology, physics and applications II	both	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-107644	Adaptive Optics	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-104572	Business Innovation in Optics and Photonics	Master	winter	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-103607	Laser Materials Processing	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100997	Lighting Design - Theory and Applications	Master	winter	3	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
ETIT	Electrical Engineering and Information Technologies	T-ETIT-106055	Operation and Control of Future Integrated Energy Systems	Master	summer	6	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-108390	Single-Photon Detectors	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-103608	Electric Power Generation and Power Grid	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100807	Electrical Machines	Master	summer	4	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-100790	Materials and Devices in Electrical Engineering	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-109360	Power Electronics	Master	winter	3	Course Catalogue	Website
ETIT	Electrical Engineering and Information Technologies	T-ETIT-109446	Pulsed Power Technology and Applications	Master	winter	8	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INFO	Information Engineering and Management	T-INFO-106061	Access Control Systems: Foundations and Practice	Master	both	4	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102861	Advanced Game Theory	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102885	Advanced Management Accounting	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-108438	Applied Analytics with Open Source Tools	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102876	Auction & Mechanism Design	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	2500002	Automated Financial Advisory	Master	summer	3	Course Catalogue	Website
MECH	Industrial Engineering and Management	T-MACH-102203	Automotive Engineering I	both	winter	6	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106442	Building Intelligent and Robo-Advised Portfolios	Master	summer	9	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102881	Business and IT Service Management	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-105777	Business Intelligence Systems	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102834	Case Studies in Sales and Pricing	Master	winter	1,5	Course Catalogue	Website
ETIT	Industrial Engineering and Management	T-ETIT-101938	Communication Systems and Protocols	Master	summer	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102680	Computational Economics	both	winter	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106496	Computational FinTech with Python and C++	Master	summer	1,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107032	Computational Risk and Asset Management I	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106494	Computational Risk and Asset Management II	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102622	Corporate Financial Policy	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106137	Country Manager Simulation	Master	winter	1,5	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INDENG	Industrial Engineering and Management	T-WIWI-102595	Customer Relationship Management	Bachelor	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102851	Developing Business Models for the Semantic Web	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106981	Digital Marketing and Sales in B2B	Master	winter	1,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-105773	Digital Service Design	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106201	Digital Transformation of Organizations	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102892	Economics and Behavior	Bachelor	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102793	Efficient Energy Systems and Electric Mobility	Master	summer	3,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102600	eFinance	both	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102830	Energy Systems Analysis	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106193	Engineering FinTech Solutions	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102833	Entrepreneurial Leadership & Innovation Management	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102864	Entrepreneurship	Master	both	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107505	Financial Accounting for Global Firms	Bachelor	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102900	Financial Analysis	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103064	Financial Econometrics	both	irregular	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-105771	Foundations of Digital Services A	Bachelor	summer	4,5	Course Catalogue	Website
INDENG	Information Engineering and Management	T-WIWI-105775	Foundations of Digital Services B	Bachelor	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-105781	Incentives in Organizations	Master	summer	4,5	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INDENG	Industrial Engineering and Management	T-WIWI-106423	Information Service Engineering	both	summer	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103549	Intelligent CRM Architectures	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102882	International Management in Engineering and Production	Master	winter	3,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102807	International Marketing	Bachelor	winter	1,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102666	Knowledge Discovery	both	winter	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106549	Large-Scale Optimization	Master	irregular	4,5	Course Catalogue	Website
ETIT	Industrial Engineering and Management	T-ETIT-100741	Laser Physics	Master	winter	4	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107043	Liberalised Power Markets	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102870	Logistics and Supply Chain Management	Bachelor	summer	3,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-106194	Macro-Finance	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102800	Management Accounting 1	both	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102801	Management Accounting 2	both	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102640	Market Engineering: Information in Institutions	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107720	Market Research	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103139	Marketing Analytics	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102679	Nature-Inspired Optimisation Methods	both	summer	5	Course Catalogue	Website
ETIT	Industrial Engineering and Management	T-ETIT-100639	Optical Transmitters and Receivers	Master	winter	4	Course Catalogue	Website
ETIT	Industrial Engineering and Management	T-ETIT-101945	Optical Waveguides and Fibers	Master	winter	4	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INDENG	Industrial Engineering and Management	T-ETIT-101907	Optoelectronic Components	both	summer	4	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107506	Platform Economics	Bachelor	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103128	Portfolio and Asset Liability Management	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103134	Project Management	Master	winter	3,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-107446	Quantitative Methods in Energy Economics	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-100806	Renewable Energy-Resources, Technologies and Economics	Bachelor	winter	3,5	Course Catalogue	Website
INFO	Industrial Engineering and Management	T-INFO-101300	Requirements Engineering	both	summer	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102826	Risk Management in Industrial Supply Networks	Master	winter	3,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102890	Sales Management and Retailing	Master	winter	3	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102874	Semantic Web Technologies	both	summer	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102849	Service Design Thinking	Master	irregular	9	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102641	Service Innovation	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-105801	Service Oriented Computing	both	summer	5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102859	Social Choice Theory	Master	summer	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103107	Spatial Economics	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103129	Stochastic Calculus and Finance	Master	winter	4,5	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-102763	Supply Chain Management with Advanced Planning Systems	Master	summer	3,5	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INDENG	Industrial Engineering and Management	T-WIWI-102621	Valuation	Master	winter	4,5	Course Catalogue	Website
MECH	Industrial Engineering and Management	T-MACH-102206	Vehicle Ride Comfort & Acoustics I	both	summer	4	Course Catalogue	Website
MECH	Industrial Engineering and Management	T-MACH-102205	Vehicle Ride Comfort & Acoustics II	both	summer	4	Course Catalogue	Website
INDENG	Industrial Engineering and Management	T-WIWI-103112	Web Science	both	winter	5	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INFO	Informatics	T-INFO-106061	Access Control Systems: Foundations and Practice	Master	summer	4	Course Catalogue	Website
INFO	Informatics	T-INFO-101332	Algorithm Engineering	Master	summer	5	Course Catalogue	Website
INFO	Informatics	T-INFO-104546	Applied Differential Geometry	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-104742	Assistive Technologies for Visually Impaired Persons	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101297	Biometric Systems for Person Identification	Master	summer		Course Catalogue	Website
MATH	Informatics	T-MATH-105916	Combinatorics	Bachelor	irregular	8	Course Catalogue	Website
ETIT	Informatics	T-ETIT-101938	Communication Systems and Protocols	Bachelor	summer	5	Course Catalogue	Website
PHY	Informatics	T-PHYS-106131	Computational Photonics	Master	irregular	8	Course Catalogue	Website
INFO	Informatics	T-INFO-101347	Computer Vision for Human-Computer Interaction	Master	winter	6	Course Catalogue	Website
INFO	Informatics	T-INFO-101389	Content-Based Image and Video Retrieval	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101374	Curves and Surfaces in CAD I	Master	irregular	5	Course Catalogue	Website
INFO	Informatics	T-INFO-102041	Curves and Surfaces in CAD II	Master	irregular	5	Course Catalogue	Website
INFO	Informatics	T-INFO-102006	Curves and Surfaces in CAD III	Master	irregular	5	Course Catalogue	Website
PHY	Informatics	T-PHYS-103628	Fundamentals of Optics and Photonics	Master	winter	9	Course Catalogue	Website
MATH	Informatics	T-MATH-102273	Graph Theory	Bachelor	irregular	9	Course Catalogue	Website
ETIT	Informatics	T-ETIT-100672	Hardware Modeling and Simulation	Master	summer	4	Course Catalogue	Website
INFO	Informatics	T-INFO-108447	Heterogeneous Computing	Master	summer	6	Course Catalogue	Website
INFO	Informatics	T-INFO-101287	Hot Topics in Bioinformatics	Master	summer	3	Course Catalogue	Website

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Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INFO	Informatics	T-INFO-101292	Image Data Compression	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101286	Introduction to Bioinformatics for Computer Scientists	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101344	Low Power Design	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-108323	Low Power Design and Embedded Systems	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101294	Mechano-Informatik in der Robotik	Bachelor	winter	4	Course Catalogue	Website
ETIT	Informatics	T-ETIT-100676	Optical Engineering	Master	winter	4	Course Catalogue	Website
INFO	Informatics	T-INFO-105798	Practical SAT Solving	Master	irregular	5	Course Catalogue	Website
INFO	Informatics	T-INFO-105796	Praktikum Analysis of Complex Data Sets	Master	irregular	4	Course Catalogue	Website
INFO	Informatics	T-INFO-105580	Praktikum Circuit Design with Intel Galileo	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105565	Praktikum Digital Design & Test Automation Flow	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105565	Praktikum Digital Design & Test Automation Flow	Master	both	3	Course Catalogue	Website
INFO	Informatics	2400027	Praktikum Discrete Freeform Surfaces	Master	both	6	Course Catalogue	Website
INFO	Informatics	T-INFO-105576	Praktikum FPGA Programming	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-103009	Praktikum Hands on Bioinformatics	Master	irregular	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105142	Praktikum Humanoid Robots	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-107502	Praktikum Lego Mindstorms	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-104772	Praktikum Visual Computing	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-107493	Praktikum: Internet of Things (IoT)	Master	both	4	Course Catalogue	Website

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Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INFO	Informatics	T-INFO-106427	Quantum Algorithms via Linear Algebra	Master	irregular	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101258	Reconfigurable and Adaptive Systems	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101387	Reliable Computing I	Master	winter	3	Course Catalogue	Website
INFO	Informatics	T-INFO-101300	Requirements Engineering	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105654	Seminar Advanced Topics in Automatic Speech Recognition	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105653	Seminar Advanced Topics in Machine Translation	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-103584	Seminar Advanced Topics in Parallel Programming	Master	summer	3	Course Catalogue	Website
INFO	Informatics	2424804	Seminar Approximate Computing	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-103583	Seminar Big Data Tools	Master	winter	3	Course Catalogue	Website
INFO	Informatics	2424801	Seminar Dependability in Internet of Things (IoT)	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105577	Seminar Dependable Computing	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424303	Seminar Design of embedded systems	Master	both	4	Course Catalogue	Website
INFO	Informatics	2424138	Seminar Distributed Decision Making	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105144	Seminar Humanoid Robots	Master	winter	3	Course Catalogue	Website
INFO	Informatics	2424809	Seminar Internet of Things (IoT) for Healthcare	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424135	Seminar Internet of Things (IoT) in Embedded Systems	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424139	Seminar Mixed Criticality Systems	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105140	Seminar Motion in Man and Machine	Master	summer	3	Course Catalogue	Website

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Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
INFO	Informatics	T-INFO-105579	Seminar Near Threshold Computing	Master	both	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105935	Seminar Non-volatile Memory Technologies	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424136	Seminar Performance Optimization for Multicore Chips	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424137	Seminar Power Efficient Reliability	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424140	Seminar Security in Internet of Things (IoT)	Master	both	3	Course Catalogue	Website
INFO	Informatics	2595470	Seminar Service Science, Management & Engineering	Master	both	3	Course Catalogue	Website
INFO	Informatics	2424008	Seminar Thermal-aware Embedded Systems	Master	both	3	Course Catalogue	Website
INFO	Informatics	2513306	Seminar/Praktikum Data Science & Real-time Big Data Analytics	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105982	Seminar: Human Brain Project	Master	winter	3	Course Catalogue	Website
ETIT	Informatics	T-ETIT-100675	Systems and Software Engineering	Master	winter	5	Course Catalogue	Website
ETIT	Informatics	T-ETIT-100677	Systems Engineering for Automotive Electronics	Master	summer	4	Course Catalogue	Website
INFO	Informatics	T-INFO-101388	Testing Digital Systems I	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-105936	Testing Digital Systems II	Master	summer	3	Course Catalogue	Website
INFO	Informatics	T-INFO-106285	Visual Computing	Master	summer	5	Course Catalogue	Website
INFO	Informatics	2400062	Wearable Robotic Technologies	Master	summer	4	Course Catalogue	Website

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Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering	2114856	Vehicle Ride Comfort and Acoustics 1	both	summer	8	Course Catalogue	Website
MECH	Mechanical Engineering	2114857	Vehicle Ride Comfort and Acoustics 2	both	summer	5	Course Catalogue	Website
MECH	Mechanical Engineering	2117059	Mathematische Modelle und Methoden für Produktionssysteme	Master	winter	8	Course Catalogue	Website
MECH	Mechanical Engineering	2110969	Arbeitstechniken im Maschinenbau	Bachelor	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2581998	Basics of Liberalised Energy Markets	Master	winter	6	Course Catalogue	Website
MECH	Mechanical Engineering	2581012	Renewable Energy - Resources, Technology and Economics	Bachelor	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2130910	CFD in der Energietechnik	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2189907	Wärmeübergang in Kernreaktoren	Master	winter	4,5	Course Catalogue	Website
MECH	Mechanical Engineering	22331	Chemical Fuels	Master	summer	3	Course Catalogue	Website
MECH	Mechanical Engineering	2170490	Gas- und Dampfkraftwerke	Master	summer	3	Course Catalogue	Website
MECH	Mechanical Engineering	2169461	Coal Fired Power Plants (Kohlekraftwerkstechnik)	Master	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2190490	Introduction to Neutron Cross Section Theory and Nuclear Data Generation	Master	summer	3	Course Catalogue	Website
MECH	Mechanical Engineering	2189920	Nuclear Fusion Technology	Master	winter	2	Course Catalogue	Website
MECH	Mechanical Engineering	2189921	Nuclear Power and Reactor Technology	Master	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2113809	Automotive Engineering 1	both	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2189904	Ten lectures on turbulence	Master	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2169453	Thermische Turbomaschinen 1	both	winter	6	Course Catalogue	Website
MECH	Mechanical Engineering	2170476	Thermische Turbomaschinen 2	Master	summer	3	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering	2170460	Kernkraftwerkstechnik	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2170491	Simulator-Praktikum Gas- und Dampfkraftwerke	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2189404	Der Betrieb von Kraftwerken in der Praxis	both	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2161224	Maschinendynamik	both	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2162344	Nonlinear Continuum Mechanics	Master	summer	3	Course Catalogue	Website
MECH	Mechanical Engineering	2181740	Atomistische Simulation und Molekulardynamik	Master	summer	6	Course Catalogue	Website
MECH	Mechanical Engineering	2145186	Mechanical Design 1	both	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	23716	Nanoscale Systems for Optoelectronics	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2142897	Microenergy Technologies	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2141861	Grundlagen der Mikrosystemtechnik 1	Master	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	2142874	Grundlagen der Mikrosystemtechnik 2	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	2141501	Mikro NMR Technologie	Master	winter	6	Course Catalogue	Website
MECH	Mechanical Engineering	2118077	Sichere Mechatronische Systeme	both	both	4	Course Catalogue	Website
MECH	Mechanical Engineering	23682	Superconducting Materials for Energy Applications	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	23315	Electrical Machines	Master	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	23376	Electric Power Transmission and Grid Control	Master	winter	6	Course Catalogue	Website
MECH	Mechanical Engineering	23399	Electric Power Generation and Power Grid	Master	winter	3	Course Catalogue	Website
MECH	Mechanical Engineering	23388	Modern Software Tools in Power Engineering	Master	summer	5	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering	2137308	Machine Vision	both	winter	4	Course Catalogue	Website
MECH	Mechanical Engineering	23211	Materials and Devices in Electrical Engineering	Bachelor	winter	6	Course Catalogue	Website
MECH	Mechanical Engineering	23448	Space-born Microwave Radiometry - Advanced Methods and Applications	Bachelor	summer	4	Course Catalogue	Website
MECH	Mechanical Engineering	23405	Radar Systems Engineering	Bachelor	winter	2	Course Catalogue	Website
MECH	Mechanical Engineering	23263	Electromagnetics and Numerical Calculations of Fields	Bachelor	winter	3	Course Catalogue	Website
MECH	Mechanical Engineering International		Additional Elective Courses	Bachelor		max. 30	Course Catalogue	Website
MECH	Mechanical Engineering International		Advanced mathematics	Bachelor		21	Course Catalogue	Website
MECH	Mechanical Engineering International		Advanced Mathematics I	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Advanced Mathematics II	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Advanced Mathematics III	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Automotive Engineering	Bachelor		8	Course Catalogue	Website
MECH	Mechanical Engineering International		Automotive Engineering	Bachelor		16	Course Catalogue	Website
MECH	Mechanical Engineering International		Automotive Engineering II	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Bachelor Thesis	Bachelor		15	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering International		Basics in Manufacturing Technology	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Basics in Measurement and Control Systems	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Computer Science	Bachelor		6	Course Catalogue	Website
MECH	Mechanical Engineering International		Computer Science for Engineers	Bachelor		6	Course Catalogue	Website
MECH	Mechanical Engineering International		Electrical Engineering	Bachelor		8	Course Catalogue	Website
MECH	Mechanical Engineering International		Electrical Engineering and Electronics	Bachelor		8	Course Catalogue	Website
MECH	Mechanical Engineering International		Energy Engineering	Bachelor		16	Course Catalogue	Website
MECH	Mechanical Engineering International		Engineering Mechanics	Bachelor		23	Course Catalogue	Website
MECH	Mechanical Engineering International		Engineering Mechanics I	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Engineering Mechanics II	Bachelor		6	Course Catalogue	Website
MECH	Mechanical Engineering International		Engineering Mechanics III/IV	Bachelor		10	Course Catalogue	Website
MECH	Mechanical Engineering International		Fluid Mechanics	Bachelor		8	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering International		Fluid Mechanics I	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Fluid Mechanics II	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Fundamentals of Energy Technology	Bachelor		8	Course Catalogue	Website
MECH	Mechanical Engineering International		Global Production Engineering	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Global Production Management	Bachelor		16	Course Catalogue	Website
MECH	Mechanical Engineering International		Heat and Mass Transfer	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		International Project Management and Soft Skills	Bachelor		6	Course Catalogue	Website
MECH	Mechanical Engineering International		Introduction to Human Factors Engineering	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Machine Dynamics	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Machines and Processes	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Master's Advance Credits	Bachelor		max. 30	Course Catalogue	Website
MECH	Mechanical Engineering International		Material Science	Bachelor		14	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering International		Material Science I	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Material Science II	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Material Science Lab Course	Bachelor		3	Course Catalogue	Website
MECH	Mechanical Engineering International		Measurement and Control Systems	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Mechanical Design	Bachelor		20	Course Catalogue	Website
MECH	Mechanical Engineering International		Mechanical Design I	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Mechanical Design II	Bachelor		3	Course Catalogue	Website
MECH	Mechanical Engineering International		Mechanical Design III	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Mechanical Design IV	Bachelor		6	Course Catalogue	Website
MECH	Mechanical Engineering International		Physics	Bachelor		5	Course Catalogue	Website
MECH	Mechanical Engineering International		Production Operations Management	Bachelor		5	Course Catalogue	Website
MECH	Mechanical Engineering International		Project and Operations Management	Bachelor		2	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MECH	Mechanical Engineering International		SmartFactory@Industry	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Technical Thermodynamics	Bachelor		15	Course Catalogue	Website
MECH	Mechanical Engineering International		Technical Thermodynamics and Heat Transfer I	Bachelor		8	Course Catalogue	Website
MECH	Mechanical Engineering International		Technical Thermodynamics and Heat Transfer II	Bachelor		7	Course Catalogue	Website
MECH	Mechanical Engineering International		Virtual Engineering	Bachelor		4	Course Catalogue	Website
MECH	Mechanical Engineering International		Wave and Quantum Physics	Bachelor		5	Course Catalogue	Website
MECH	Mechanical Engineering International		Working Methods in Mechanical Engineering	Bachelor		4	Course Catalogue	Website

For these courses there is a limited admission number, individual registration is required.

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MATH	Mathematics	T-MATH-105915	Algebraic Topology	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-106121	Aspects of Nonlinear Wave Equations	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105919	Geometric Numerical Integration	Master	irregular	6	Course Catalogue	Website
MATH	Mathematics	T-MATH-105933	Homotopy Theory	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105922	Poisson Process	Master	irregular	5	Course Catalogue	Website
MATH	Mathematics	2153430	Project-oriented Software Lab on Computational Fluid Mechanics	Master	irregular, summer	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-105931	Extremal Graph Theory	both	irregular	8	Course Catalogue	Website
MATH	Mathematics	0157500	Boundary and Eigenvalue Problems	both	irregular, summer	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-108398	Commutative Algebra	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	0102700	Mathematical Topics in Kinetic theory	Master	irregular	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-105899	Numerical Methods for Time-dependent PDEs	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105860	Numerical Methods in Computational Electrodynamics	Master	irregular	6	Course Catalogue	Website
MATH	Mathematics	T-MATH-105874	Time Series Analysis	Master	irregular, summer	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-108399	Uncertainty Quantification	Master	summer	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-102255	Functional Analysis	both	irregular, winter	8	Course Catalogue	Website
MATH	Mathematics	M-MATH-102953	Algebraic Topology II	Master	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105866	Asymptotic Stochastics	Master	irregular, winter	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105857	Finite Element Methods	Master	irregular, winter	8	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with Course Catalogue
MATH	Mathematics	T-MATH-105889	Mathematical Modelling and Simulation	Master	irregular	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-105920	Numerical Methods for Maxwell's Equations	Master	irregular	6	Course Catalogue	Website
MATH	Mathematics	T-MATH-105903	Splitting Methods	Master	irregular	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-102273	Graph Theory	both	irregular	8	Course Catalogue	Website
MATH	Mathematics	T-MATH-105916	Combinatorics	both	irregular	8	Course Catalogue	Website
MATH	Mathematics	0123550	Bifurcation Theory	Master	irregular	5	Course Catalogue	Website
MATH	Mathematics	T-MATH-108013	Introduction to Kinetic Theory	Master	winter	4	Course Catalogue	Website
MATH	Mathematics	T-MATH-107497	Numerical Linear Algebra for Scientific High Performance Computing	Master	irregular	3	Course Catalogue	Website
MATH	Mathematics in Economics	0123100	Forecasting: Theory and Practice	Master	irregular, duration: 2 semesters	8	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with course Catalogue
PHY	Geophysics	T-PHYS-103525	Geological Hazards and Risk	Bachelor	irregular	8	Course Catalogue	Website
PHY	Geophysics	T-PHYS-103575	Induced Seismicity	Bachelor	irregular	3	Course Catalogue	Website
PHY	Geophysics	T-PHYS-108691	Summer School Bandung: Seismology/Geohazards	Bachelor	irregular	6	Course Catalogue	Website
PHY	Geophysics	T-PHYS-107806	3D reflection seismics	Master	irregular	1	Course Catalogue	Website
PHY	Geophysics	T-PHYS-107793	Near-surface seismic and GPR	Master	winter	6	Course Catalogue	Website
PHY	Geophysics	T-PHYS-108656	Seismic Data Processing	Master	irregular	6	Course Catalogue	Website
PHY	Geophysics	4060274	Seminar Current Topics in Seismology and Hazard	Master	both	10	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107686	Atmosphere and Climate Dynamics with ICON	Master	winter	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107696	Atmospheric Radiation	Master	winter	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107694	Cloud Physics	Master	winter	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107695	Energetics	Master	winter	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107692	Seminar on IPCC Assessment Report	Master	irregular	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-107693	Tropical Meteorology	Master	irregular	0	Course Catalogue	Website
PHY	Meteorology	T-PHYS-108610	Turbulent Diffusion	Master	summer	0	Course Catalogue	Website
PHY	Physics	T-PHYS-102280	Advanced Optical Materials	Master	winter	8	Course Catalogue	Website
PHY	Physics	T-PHYS-108476	Advanced Topics in Flavour Physics	Master	both	4	Course Catalogue	Website
PHY	Physics	T-PHYS-104534	Advanced Topics in Quantum Field Theory	Master	summer	8	Course Catalogue	Website
PHY	Physics	T-PHYS-104733	Array Processing	Master	winter	4	Course Catalogue	Website

Department	Course of Studies	Code	Course/Lecture	Bachelor / Master	Term	ECTS	Link to Course Catalogue	Link to website with course Catalogue
PHY	Physics	T-PHYS-103633	Computational Photonics	Master	summer	8	Course Catalogue	Website
PHY	Physics	T-PHYS-106133	Modern X-ray Physics I: Coherent X-ray Imaging and Scattering	Master	winter	10	Course Catalogue	Website
PHY	Physics	T-PHYS-102353	Modern X-ray Physics II: Condensed Matter Physics with Synchrotron Radiation	Master	winter	8	Course Catalogue	Website
PHY	Physics	T-PHYS-102354	Modern X-ray Physics III: Optical Coherence, Imaging, and Computed Tomography	Master	summer	10	Course Catalogue	Website
PHY	Physics	T-PHYS-107626	Nanomagnetism, Quantummagnetism and Spin Bath Physics	Master	winter	4	Course Catalogue	Website
PHY	Physics	T-PHYS-102282	Nano-Optics	Master	winter	8	Course Catalogue	Website
PHY	Physics	T-PHYS-104535	Physics of Strong Interactions	Master	winter	8	Course Catalogue	Website
PHY	Physics	T-PHYS-105111	Quantum Information Processing with Solid-State Devices	Master	winter	6	Course Catalogue	Website
PHY	Physics	T-PHYS-106134	Quantum Machines: Design and Implementation in Solid State Devices	Master		8	Course Catalogue	Website
PHY	Physics	T-PHYS-108483	Quantum Physics in One Dimension	Master	both	8	Course Catalogue	Website
PHY	Physics	T-PHYS-106263	Seismic Full Waveform Inversion	Master	summer	4	Course Catalogue	Website
PHY	Physics	T-PHYS-104773	Solid-State Optics	Master	winter	8	Course Catalogue	Website
PHY	Physics	T-PHYS-105960	The ABC of DFT	Master	summer	6	Course Catalogue	Website
PHY	Physics	T-PHYS-104587	Theoretical Nanooptics	Master	summer	6	Course Catalogue	Website
PHY	Physics	M-PHYS-102280	Theoretical Optics	Master	summer	6	Course Catalogue	Website

The ZAK offers a variety of General Studies lectures and seminars for students of all departments.

Topics:

- Man & Society
- Nature & Technology
- Culture & Media
- Economy & Law
- Politics & Globalization

Apart from these five subject areas, the ZAK also offers courses on soft skills and computing, as well as creativity workshops. Furthermore, there are KIT orchestras and a variety of choirs and smaller musical formations to provide musical education.

[More information](#)

[Courses taught in English](#)