
English Taught Courses - Summer term („Sommersemester“) 2025

Some general information: Semester Wochen Stunden

- At the University of Kassel, exchange students are welcome to choose courses outside their faculty
- In addition to courses taught in English, there are also courses taught in German that are supplemented with materials in English
- In many cases, it is possible to take exams in English, even if the course is conducted in German
- Bachelor students may enroll in Master-level courses, provided they obtain prior approval from the respective course lecturer
- ECTS Credits (European Credit Transfer and Accumulation System): The allocation of ECTS credits may vary depending on the course and the type of assessment (e.g., essay, presentation, exam, etc.). For specific details regarding ECTS credits, please refer to the examination regulations (Prüfungsordnung) of the respective program, consult the course lecturer, the examination office (Prüfungsamt) of the relevant faculty
- Semester Weekly Hours (SWS) represent the number of hours per week a student is expected to attend a specific course during a semester. For example, a course with 2 SWS typically requires 2 hours of attendance per week. This helps students plan their workload and understand the time commitment for each course

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(01) Faculty of Human Sciences

Contact for General Questions Silke Seuring silke.seuring@uni-kassel.de

Course Title	Type of Course	Duration	Level	Link
Advanced seminar General Psychology II -Course A- Language, Motivation and Emotion	Seminar	2 SWS	Graduate	Advanced seminar General Psychology II
International Workshop: Research on health and mental health with refugee populations	Workshop	2 SWS	Graduate	International Workshop: Research on health and mental health with refugee populations
Resilience in Action: International Social Work Practices with Vulnerable Families and Children	Seminar	2 SWS	Undergraduate	Resilience in Action
Seminar Social Psychology -Course C- "Individual differences in attitudes towards AI C	Seminar	2 SWS	Undergraduate	Social Psychology
Social support to marginalised people in 21st century welfare states - institutional and organisational foundations	Seminar	2 SWS	Graduate	Social Support
Problem Groups and Moral Panics	Seminar	2 SWS	Undergraduate	Moral Panics
Sustainable Development Goals (SDGs) and health (equity)	Exercise	2 SWS	Undergraduate	Sustainable Development Goals (SDGs) and health (equity)
Definition and causes of learning problems	Research project	4 SWS		Definition und Ursachen von Lernproblemen
Problem Groups and Moral Panics	Seminar	2 SWS		Problem Groups and Moral Panics
Basics of funding planning	Seminar	2 SWS		Grundlagen der Förderplanung

(02) Faculty of Humanities

At the Faculty of Humanities exchange students can receive either 5 ECTS for active participation (might include a presentation and smaller essays) or 10 credits for active participation and a written or oral exam.

Course Title	Type of Course	Duration	Level	Link
"Make It New!": American Literature 1860-1920	Lecture	2 SWS	Graduate / Undergraduate	"Make It New!": American Literature 1860-1920
20th Century British Drama	Lecture	2 SWS		20th Century British Drama
Acquisition of second language listening and speaking	Seminar	2 SWS	Graduate / Undergraduate	Acquisition of second language listening and speaking
Areas of core grammar	Seminar	2 SWS		Core Grammar
Castaway Tales	Seminar	2 SWS		Castaway Tales
Crime and detection	Seminar	2 SWS		Crime and Detection
Critical discourse Theory	Seminar	2 SWS		Critical Discourse Theory
Digital tools for teaching EFL	Seminar	2 SWS		Digital tools for teaching EF
English 1: Grammar and Essay Writing	Practice	2 SWS		English 1: Grammar and Essay Writing
English 2: Spoken English	Practice	2 SWS		English 2: Spoken English
English 2: Spoken English and AI tools for language learning	Practice	2 SWS		English 2: Spoken English and AI tools for language learning
English 2: Spoken English and Creative Writing	Practice	2 SWS		English 2: Spoken English and Creative Writing
English 2: Spoken English and Pronunciation	Practice	2 SWS	Undergraduate	English 2: Spoken English and Pronunciation
English 3: Essay Writing	Practice	2 SWS		English 3: Essay Writing
English 3: Reading Comprehension and Essay Writing	Practice	2 SWS		English 3: Reading Comprehension and Essay Writing
English 3: Translation	Practice	2 SWS		English 3: Translation
English 3: Translation and Essay Writing	Practice	2 SWS		English 3: Translation and Essay Writing
Environment, Society and the Anthropocene [Climate Thinking]	Seminar	2 SWS		Environment, Society and the Anthropocene [Climate Thinking]

Epistemology and Methods of Sustainability	Lecture	2 SWS	Undergraduate	Erkenntnistheorie und Methoden der Nachhaltigkeit
Exam Colloquium	Colloquium		Graduate	Exam Colloquium
Examens- und Forschungskolloquium: Research on foreign language learning and teaching of English	Colloquium	2 SWS	Graduate	Examens- und Forschungskolloquium: Research on foreign language learning and teaching of English
Family Constellations: Identity, Conflict, Belonging	Seminar	2 SWS	Undergraduate	Family Constellations: Identity, Conflict, Belonging
Fundamentals of Grammar Theory	Seminar	2 SWS	Undergraduate	Fundamentals of Grammar Theory
How strange it is: Postmodern American Literature	Seminar	2 SWS		How strange it is
Inclusive pedagogies in EFL (1)	Seminar	2 SWS		Inclusive pedagogies in EFL (1)
Inclusive pedagogies in EFL (2)	Seminar	2 SWS		Inclusive pedagogies in EFL (2)
Introduction to British and American Literatures	Orientationcourse	2 SWS		Introduction to British and American Literatures
Introduction to Drama: Constructing Identities in North American Drama [GLS]	Seminar	2 SWS	Undergraduate	Introduction to Drama: Constructing Identities in North American Drama [GLS]
Introduction to EFL learning and teaching	Orientationcourse	2 SWS		Introduction to EFL learning and teaching
Introduction to Expressive Language: Meaning in Use	Seminar	2 SWS	Graduate / Undergraduate	Introduction to Expressive Language: Meaning in Use
Introduction to Linguistics	Orientationcourse	2 SWS	Undergraduate	Introduction to Linguistics
Introduction to SLA: Theory into practice (1)	Seminar	2 SWS		Introduction to SLA: Theory into practice (1)
Introduction to SLA: Theory into practice (2)	Seminar	2 SWS		Introduction to SLA: Theory into practice (2)
Key Texts British Drama	Exercise	2 SWS	Undergraduate	Key Texts British Drama
Key Texts in American Literature, 1865-1920	Exercise	2 SWS		Key Texts in American Literature, 1865-1920
Kinesthetics for teaching pronunciation	Seminar	2 SWS	Graduate	Kinesthetics for teaching pronunciation
Learning and Teaching Vocabulary	Seminar	2 SWS	Undergraduate	Learning and Teaching Vocabulary
Life Studies: Postwar Poetry	Seminar	2 SWS	Undergraduate	Life Studies: Postwar Poetry
Linguistic appropriations	Seminar	2 SWS	Undergraduate	Linguistic appropriations

Linguistic Creativity, Authenticity, and Artificial Intelligence	Seminar		Undergraduate	Linguistic Creativity, Authenticity, and Artificial Intelligence
Linguistic goes school	Seminar	2 SWS		Linguistic goes school
Linguistic philosophies	Exercise	2 SWS	Undergraduate	Linguistic philosophies
Linguistic project seminar	Seminar	2 SWS		Linguistic project seminar
Machine learning 4 Engineers: Regression	Lecture	2 SWS	Graduate	Machine learning 4 Engineers: Regression
Machine Learning for Materials and Chemistry	Lecture	2 SWS	Graduate	Machine Learning for Materials and Chemistry
Marketing research	Lecture	4 SWS	Graduate	Marketing research
Masters Research Colloquium in Literature	Colloquium		Graduate	Masters Research Colloquium in Literature
Representing Cityscapes	Seminar	2 SWS		Cityscapes
Research Methods and Term Paper Writing in Linguistics	Tutorial	1 SWS	Graduate / Undergraduate	Research Methods
Second Language Acquisition	Seminar	2 SWS		Second Language Acquisition
The Digital Age of English Learning: Exploring Tools, Trends, and Methods	Seminar	2 SWS		English Learning
Epistemology and methods of sustainability	Seminar	2 SWS		Erkenntnistheorie und Methoden der Nachhaltigkeit

(05) Faculty of Social Sciences

There are two English Master programmes you can look up while looking for English taught courses, namely:

- Global Political Economy and Development M.A.
- Labour Policies and Globalisation M.A

If you are a BA student and are planning to take MA level classes, make sure to contact the professors beforehand to inform them about your intentions.

Course Title	Type of Course	Duration	Level	Link
Aktuelle Forschung (Current research)	Seminar		Undergraduate	Aktuelle Forschung
An Intoduction to Evidence-Based Social Intervention	Seminar	2 SWS	Undergraduate	Social Intervention
Imperial Biographies in Victorian Britain	Seminar		Undergraduate	Imperial Biographies in Victorian Britain
Materials Selection in Mechanical Design	Lecture		Graduate / Undergraduate	Materials Selection in Mechanical Design
Mechanical Aspects of Wind Energy	Lecture	3 SWS	Graduate	Mechanical Aspects of Wind Energy
Methodological knowledge and project planning			Graduate	Methodenkenntnis und Projektplanung
Online Research	Seminar	2 SWS	Undergraduate	Online Research
Post Development - Introduction	Seminar		Graduate	Post Development
Social Reproduction under Capitalism: An Introduction to Reproductive Labour	Seminar		Graduate	Social Reproduction
Text as Data. Collecting, preparing, analyzing text	Seminar	2 SWS	Undergraduate	Text as Data
The local is not parochial: artistic social practices in Kassel and around	Seminar			Artistic Social Practices in Kassel
An Intoduction to Evidence-Based Social Intervention	Seminar		Undergraduate	An Intoduction to Evidence-Based Social Intervention
Online research	Seminar		Undergraduate	Onlineforschung
Post-Development: An Introduction	Seminar		Graduate	Post-Development: An Introduction
Text as Data. Collecting, preparing, analyzing text	Seminar		Undergraduate	Text as Data. Collecting, preparing, analyzing text
BRICS+ and Global Power Shifts: Political, Economic, and Security Trends	Seminar		Graduate / Undergraduate	BRICS+ and Global Power Shifts

(06) Faculty of Architecture, Landscape Planning and Urban Planning

Course Title	Type of Course	Duration	Level	Credits	Link
Collective Roofs	Seminar	2 SWS	Graduate / Undergraduate		Collective Roofs
Current research for climate adapted cities	Seminar	2 SWS			Current Research for Climate
Gender, Class, Center, and Periphery: Interrogating the Yendize, a Dresden Landmark	Seminar	2 SWS	Undergraduate		Gender, Class, Center
Hinter den Kulissen eines Kunstwerks	Seminar	2 SWS	Undergraduate		Hinter den Kulissen eines Kunstwerks
History of Architectural Theory from Vitruvius To Viollet-leDuc	Seminar	2 SWS	Graduate		History of Architectural Theory from Vitruvius
Introduction to the determination of aquatic invertebrates and water quality parameter	Seminar	2 SWS	Graduate / Undergraduate		Aquativ Invertebrates
Methods in Neuroscience	Seminar	2 SWS	Graduate / Undergraduate		Methods in Neuroscience
Cooperative planning work for cultural palaces (AT)	Seminar	4 SWS	Graduate		Kooperative Planungsarbeit
Collective Roofs - Research Studio	Seminar	2 SWS	Graduate / Undergraduate		Collective Roofs - Research Studio
EDEK Research Studio (Ger/ Eng)	Project	8 SWS	Graduate / Undergraduate		EDEK Research Studio (D/ Eng)
Research colloquium on inclusion-orientated diagnostics	Colloquium				Forschungskolloquium Inklusionsorientierte
1 to 1 - Experimental symbiosis of clay and steel	Project	8 SWS	Graduate / Undergraduate	12	1zu1 - Experimentelle Symbiose Lehm
Campus climate: Analysis of thermal hotspots on campus through own measurements	Seminar	4 SWS	Graduate / Undergraduate	6	Campus-Klima
Stadium of Mobile Architecture and Construction Processes	Project	8 SWS	Graduate	12	MOLAB - Stadion der Mobilen
Re: Timber LAB	Project	8 SWS	Graduate / Undergraduate	12	Re: Timber LAB

(07) Faculty of Economics and Management

At the Faculty of Economics and Management students usually receive 3 to 6 ECTS for active participation (might include a presentation and smaller essays) and a written or oral exam.

Course Title	Type of Course	Duration	Level	Link
Academic Writing	Seminar	4 SWS	Graduate	Academic Writing, FB07
Analytics for Sustainable Marketing	Seminar	4 SWS	Graduate	Analytics for Sustainable Marketing
Applied econometric analysis of stated choice data	Seminar	4 SWS	Graduate	Applied Econometric Analysis
Circular Supply Chain Management	Lecture	4 SWS	Graduate	Circular Supply Chain Management
Compliance in Multinational Corporations	Seminar	4 SWS	Undergraduate	Compliance in Multinational Corporations
Consumer Insight and Engaging Communication	Seminar	4 SWS	Undergraduate	Consumer Insight and Engaging Communication
Contemporary Issues in Public Economics	Seminar	2 SWS	Graduate	Contemporary Issues in Public Economics
Corporate Finance	Lecture	4 SWS	Undergraduate	Corporate Finance
Digital Sustainability: Concepts, Practices, Challenges and Futures	Blockseminar	4 SWS	Undergraduate	Digital Sustainability
Digital Transformation of Sustainable Supply Chains	Seminar	4 SWS	Graduate	Digital Transformation of Sustainable Supply Chains
Distribution and Pricing in the Internet Age	Seminar	4 SWS	Graduate	Distribution and Pricing in the Internet Age
Econometrics	Lecture	4 SWS	Graduate	Econometrics
EMBS Negotiation Management	Lecture	4 SWS	Graduate	EMBS Negotiation Management
Environmental Economics	Lecture	4 SWS	Graduate	Environmental Economics
Foundations of Experimental Economics	Lecture	4 SWS	Graduate	Foundations of Experimental Economics
IB2 - Law and Economics-Public Choice	Lecture	4 SWS	Graduate	IB2 - Law and Economics-Public Choice
IB2 - Legal and Business English	Seminar	2 SWS	Undergraduate	IB2 - Legal and Business English
Intermediate Public Economics	Lecture	4 SWS	Graduate	Intermediate Public Economics
International Human Resource Management	Seminar	4 SWS	Undergraduate	International Human Resource Management
International Strategy Simulation	Seminar	4 SWS	Graduate / Undergraduate	International Strategy Simulation
Introduction to Behavioral Economics	Lecture	4 SWS	Undergraduate	Introduction to Behavioral Economics
Introduction to Game Theory	Lecture	4 SWS	Undergraduate	Introduction to Game Theory

Introductory Econometrics	Lecture	4 SWS	Undergraduate	Introductory Econometrics
Leadership and Change Management	Lecture	4 SWS	Graduate	Leadership and Change Management
Microeconomics Using Calculus	Lecture	2 SWS	Graduate / Undergraduate	Microeconomics Using Calculus
Microsystem Technology (lab)	Internship	2 SWS	Graduate	Microsystem Technology (lab)
Microwave and millimeter wave technology I	Lecture	3 SWS	Graduate	Mikrowellen- und Millimeterwellentechnik I
Quantitative Methods of Experimental Economics	Seminar	4 SWS	Graduate	Experimental Economics
R for Modern Data Analysis	Lecture	4 SWS		R for Modern Data Analysis
Research Methods for Business	Lecture	4 SWS	Undergraduate	Research Methods
Selected Topics in Energy Economics and Policy	Seminar	4 SWS	Graduate	Energy Economics
Spatial Econometrics	Lecture/tutorial	4 SWS	Graduate	Spatial Econometrics
Strategic Management	Seminar	4 SWS		Strategic Management
Sustainability in the digital workplace: Challenges and opportunities	Seminar	4 SWS	Undergraduate	Sustainability digital workplace
Sustainable Behavior and Social Norms	Seminar	2 SWS	Graduate	Sustainable Behaviour
Sustainable Marketing	Seminar	4 SWS	Undergraduate	Sustainable Marketing
Sustainable Water Management: Innovations and Challenges in Demarketing Indirect Water Consumption	Seminar	4 SWS	Graduate	Sustainable Water Management
The Economics of Growth	Lecture	4 SWS	Graduate	Economics of Growth
Water Resources in a Changing World: International Divergences in Consumers Water Consumption and Implications for Future Generations	Seminar	4 SWS	Undergraduate	Water Resources in a changing World

(10) Faculty of Mathematics and Natural Sciences

Lecture	Type	Level
Advanced Methods in Dynamical Systems and Machine Learning - 4 SWS	lecture	Master
Advances in Theoretical Physics at the Nanoscale - 2 SWS	seminar	Master
Applied Machine Learning for Materials and Chemistry - 2 SWS	exercise course	Master
Aromatic building blocks for organic nanostructures	lecture	Master
Basic Python Programming	seminar	Master
Biological Colloquium with guest lectures - 2 SWS	discussion	Bachelor/ Master
Professional specialization	discussion	Master
Lab Course Advanced Physical and Theoretical Chemistry - PO2023 - 6 SWS	practical	Master
Lab Course Nanophysics	practical	Master
Machine Learning for Materials and Chemistry - 2 SWS	lecture	Master
Methodological knowledge and project planning	miscellaneous	Master
Methods in Neuroscience - 2 SWS	seminar	Bachelor/Master
Nanochemistry II (Nanostrukturen aus chemischer Sicht II) - 3 SWS	cycle of lectures	Master
Nano Scale Quantum Optics II – Applications in Quantum Information Processing - 4 SWS	lecture	Master
Physics and spectroscopy of diatomic molecules - 3 SWS	lecture	Master
Physics with synchrotron radiation (Physik mit Synchrotronstrahlung) - 2 SWS	lecture	Master
PMP2 Experimental Physics Seminar - 2 SWS	seminar	Master
Polymers from renewable resources / Biological materials	lecture	Master
Research Internship Biophysics (Forschungspraktikum Biophysik)	block practical	Master
Ring lecture of the Research Training Network Multiscale Clocks - 1 SWS	cycle of lectures	Master
Semiconductor Quantum Optics	lecture	Master
Seminar Advanced Physical and Theoretical Chemistry - PO2023 - 2 SWS	seminar	Master
Seminar Advanced Synthetic Chemistry (Seminar Synthesechemie II)	seminar	Master
Spezielle Aspekte der Entwicklungsgenetik (Modul W7)	seminar	Master
Theoretical Solid State Physics - 4 SWS	lecture	Master
Theoretical Solid State Physics - 2 SWS	exercise course	Master

[Theorieseminar für Studierende: Journal Club](#)

[Theory seminar for students](#)

[Ultrashort Laserpulses and their Application \(Ultrakurze Laserpulse und ihre Anwendung\)](#) - 2
SWS

[Ultrashort Laserpulses and their Application \(Ultrakurze Laserpulse und ihre Anwendung -
Studienleistung\)](#) - 2 SWS

[Scientific Computing](#) - 4 SWS

[Workshop Time Series Analysis and Measurement with Python](#)

seminar

Master

seminar

Master

lecture

Bachelor/Master

practical

Bachelor/Master

lecture

Master

block seminar

Master

(11) Faculty of Organic Agricultural Sciences

At the Faculty of Organic Agricultural Sciences students usually receive 6 ECTS for active participation (might include a presentation and smaller essays) and a written or oral exam. Most courses you find here are from the English Master programme International Food Business and Consumer Studies and Sustainable Agricultural Studies.

Course Title	Type of Course	Duration	Level	Credits	Link
Academic Writing	Tutorial	1 SWS			Academic Writing, FB11
Agriculture and ecosystem services	Seminar	4 SWS			Agriculture and ecosystem Services
Applied statistical modelling	Lecture	4 SWS			Applied Statistical Modelling
Assessing food quality	Seminar	4 SWS			Assesing Food Quality
Biodynamic agriculture	Seminar	4 SWS			Biodynamic Agriculture
Crop husbandry and technology in the tropics	Seminar	4 SWS			Technology in the tropics
Digitalisation in livestock systems	Seminar	4 SWS			Digitalisation in livestock systems
Engineering software in agriculture and livestock farming	Seminar	4 SWS	Graduate		Engineering software in agriculture and livestock farming
Environment and health	Seminar	4 SWS	Graduate		Environment and health
EU policies, organic farming and food system transformation	Seminar	4 SWS	Graduate		EU policies, organic farming and food system transformation
Food product development	Seminar	4 SWS	Graduate		Food product development
Grassland-based livestock systems and climate change mitigation	Seminar	4 SWS	Graduate		Grassland-based livestock systems and climate change mitigation
Green Business in Europe	Seminar	4 SWS	Undergraduate		Green Business in Europe
Innovation management in the food sector	Seminar	4 SWS	Graduate		Innovation management in the food sector
Innovative livestock breeding	Seminar	4 SWS	Graduate		Innovative livestock breeding
Intercultural communication (IFBC)	Exercise	1 SWS	Graduate		Intercultural communication (IFBC)
Interdisciplinary project (AGES)	Seminar	2 SWS	Graduate		Interdisciplinary project (AGES)
Multiple Crises, the rise of the far right, and socio-economic alternatives	Seminar		Graduate		Multiple Crises, the rise of the far right, and socio-economic alternatives

Nano Scale Quantum Optics II – Applications in Quantum Information Processing	Lecture	4 SWS	Graduate		Nano Scale Quantum Optics II – Applications in Quantum Information Processing
Nanochemistry II	Lecture	3 SWS	Graduate		Nanochemistry II (Nanostrukturen aus chemischer Sicht II)
Project management (AGES)	Tutorial	1 SWS			AGES
Project management (IFBC)	Tutorial	1 SWS			IFBC
Quality management in food business	Seminar	4 SWS			Quality Management
Rural sociology	Seminar	4 SWS	Graduate		Rural Sociology
Scientific presentation	Seminar	2 SWS			Scientific presentation
Sustainability Management II	Seminar	4 SWS	Undergraduate		Nachhaltige Unternehmensführung II
Sustainable land use and climate mitigation	Seminar	4 SWS			Sustainable land use
Trends in food sciences and sustainable consumption	Seminar	4 SWS			Trends in Food Science
Unconventional livestock and wildlife management	Seminar	4 SWS			Unconventional livestock
Unoccupied aerial vehicle (UAV) applications in agriculture	Seminar	4 SWS			UAV
Water in the soil plant system	Seminar	4 SWS			Water in the soil plant system
Nutrient dynamics, experimental design and statistical modelling	Seminar	4 SWS	Graduate	6	Nutrient dynamics, experimental design
Phytopathological field course (bilingual)	Seminar	4 SWS	Graduate	6	Phytopathologischer Feldkurs (bilingual)

(14) Faculty of Civil and Environmental Engineering

Lecture	Type	Level
Application of activated sludge models in practice - 2 SWS	lecture/exercise course	Master
Modelling of biological wastewater treatment processes - 2 SWS	lecture	Master
Tracers in Hydrology - 2 SWS	lecture	Master

(15) Faculty of Mechanical Engineering and Mechatronics

Contact for General Questions Fatih Meral f.meral@uni-kassel.de

Course Title	Type of Course	Duration	Credits	Level	Link
Advanced Optical Microscopy for Materials Engineering	Seminar	4 SWS		Graduate	Advanced Optical Microscopy
Networked and Distributed Control Systems	Lecture	3 SWS		Graduate	Networked and Distributed Control Systems
Nutrient aquisition by plant	Seminar	4 SWS		Graduate	Nutrient aquisition by plant
Fundamentals of Refrigeration and Heat Pump Technology - Practical Course	Practice	3 SWS		Graduate / Undergraduate	Grundlagen der Kälte- und Wärmepumpentechnik
Seminar on Multiphase Systems and Transport Processes	Practice	2 SWS		Graduate / Undergraduate	Seminar für mehrphasige Systeme und Transportprozesse
Technical Applications of Refrigeration and Heat Pump Technology - Practical Course	Practice	2 SWS		Graduate / Undergraduate	Technische Anwendung der Kälte- und Wärmepumpentechnik - Praktikum
Technical Thermodynamics I	Lecture	6 SWS	6	Graduate / Undergraduate	
Technical Thermodynamics II	Lecture	6 SWS	6	Graduate / Undergraduate	
Technical Thermodynamics (I+II)	Lecture	6 SWS	6	Graduate / Undergraduate	
Advanced Technical Thermodynamics	Lecture	6 SWS	6	Graduate / Undergraduate	
Heat Transfer I	Lecture	6 SWS	6	Graduate / Undergraduate	

Heat Transfer I - Practical Course	Practical	2 SWS	1-3	Graduate / Undergraduate	Wärmeübertragung 1 - Praktikum
Heat Transfer II	Lecture	4 SWS	6	Graduate / Undergraduate	
Heat Transfer II - Practical Course	Practical	2 SWS	1-3	Graduate / Undergraduate	Wärmeübertragung 2 - Praktikum
Refrigeration and Heat Pump Technology I – Fundamentals	Lecture	3 SWS	4	Graduate / Undergraduate	
Refrigeration and Heat Pump Technology I - Practical Course	Practical	2 SWS	1-3	Graduate / Undergraduate	
Refrigeration and Heat Pump Technology I - Technical Application	Lecture	4 SWS	4	Graduate / Undergraduate	
Refrigeration and Heat Pump Technology II - Practical Course	Practical	2 SWS	1-3	Graduate / Undergraduate	
Thermodynamics of Multicomponent Systems	Lecture	4 SWS	6	Graduate / Undergraduate	
Fundamentals of Thermal Separation	Lecture	4 SWS	6	Graduate / Undergraduate	
Thermodynamics of Chemical Reactions	Lecture	2 SWS	3	Graduate / Undergraduate	
Seminar on Sustainable Energy Transformation	Seminar	2 SWS	1-3	Graduate / Undergraduate	
Seminar on Multiphase Systems and Transport Processes	Seminar	2 SWS	1-3	Graduate / Undergraduate	Seminar für mehrphasige Systeme und Transportprozesse

Advanced Engineering Lab: System Analysis of a Refrigeration System	Practical	2 SWS	1-3	Graduate / Undergraduate
Introduction to Projekt Work: Process Engineering I – Fundamentals of Distillation	Practical	2 SWS	1-3	Graduate / Undergraduate
Project I: Process Engineering I – Fundamentals of Distillation	Practical	2 SWS	1-3	Graduate / Undergraduate
Project II: Process Engineering II – Digitization	Practical	2 SWS	1-3	Graduate / Undergraduate
Project III: Process Engineering III – Fundamentals of Distillation	Practical	2 SWS	1-3	Graduate / Undergraduate

(16) Faculty of Electrical Engineering and Computer Science

At the Faculty of Electrical Engineering and Computer Science students usually receive 6 ECTS for active participation (might include a presentation and smaller essays) and a written or oral exam in the courses with at least 4 hours weekly).

Course Title	Type of Course	Duration	Level	Link
Advanced Digital control	Lecture	4 SWS	Graduate	Advanced Digital Control
Automatisierung und Systeme	Lecture	5 SWS	Graduate	Automatisierung und Systeme
Bio Gas	Lecture	2 SWS	Graduate	Bio Gas
Business Economic Aspects of RE	Lecture	2 SWS		Business Economics Aspects of RE

Computational Photonics II	Lecture	4 SWS	Graduate	Computational Phototronics II
Computing & Society	Lecture	4 SWS	Graduate	Computing and Society
Concentrated Solar Thermal Systems	Lecture	2 SWS	Graduate	Solar Thermal Systems
Concepts and Structures for Dynamic Runtime Reconfiguration	Seminar	2 SWS	Graduate	Concepts and Structures for Dynamic Runtime
Control of uncertain systems	Lecture	3 SWS	Graduate	Control of Uncertain Systems
Control Systems	Lecture	2 SWS	Graduate	Control Systems
Digital Communication Through Band-Limited Channels	Lecture	3 SWS	Graduate	Digital Communication
Discrete Event Systems and Control	Lecture	5 SWS	Graduate / Undergraduate	Discrete Event Systems and Control
Electrical Aspects of Wind Energy	Lecture	3 SWS	Graduate	Electrical Aspects of Wind Energy
Electrical Engineering Fundamentals	Lecture	3 SWS	Graduate	Electrical Engineering Fundamentals
Electromagnetic Theory for Microwaves and Antennas	Lecture	3 SWS	Graduate	Electromagnetic Theory for Microwaves and Antennas
Energy and Society	Seminar	1 SWS	Graduate	Energy and Society
Energy Efficiency in Buildings	Lecture	3 SWS	Graduate	Energy Efficiency in Buildings
Energy efficiency in cross-sectional technologies	Lecture	3 SWS	Graduate	Energy efficiency in cross-sectional technologies
Energy efficiency through process integration	Lecture	3 SWS	Graduate	Energy efficiency through process integration
Engineering Mathematics	Lecture	5 SWS	Graduate	Engineering Mathematics
Engineering Mathematics	Colloquium	3 SWS	Graduate	Engineering Mathematics
Exercises Introduction to Signal Detection and Estimation	Exercises	1 SWS	Graduate	Exercises Introduction to Signal Detection and Estimation
Exercises Semiconductor memories: technology, design, structures, modeling and simulation	Exercises	1 SWS	Graduate	Exercises Semiconductor memories: technology, design, structures, modeling and simulation
Flexible Generation and Demand Side Management	Lecture	2 SWS	Graduate	Flexible Generation and Demand Side Management
Functional Safety in computer architectures	Lecture	4 SWS	Graduate	Functional Safety in computer architectures
Functional Safety of Biomedical Systems	Lecture	4 SWS	Graduate	Functional Safety of Biomedical Systems

Fundamentals in Digital Communications	Lecture	2 SWS	Graduate	Fundamentals in Digital Communications
German and Arab Language Courses Kassel	Lecture	2 SWS	Graduate	German and Arab Language Courses Kassel
German-Arab Relations	Lecture	2 SWS	Graduate	German-Arab Relations
Grid Integration	Lecture	2 SWS	Graduate	Grid Integration
Grundlagen der modernen Kryptographie	Lecture	4 SWS	Graduate	Grundlagen der modernen Kryptographie
Hydrogen and Power-to-Chemical Technologies	Lecture	2 SWS	Graduate	Hydrogen and Power-to-Chemical Technologies
Integrierte Mikrowellenschaltungen II (Integrated Microwave Circuits II)	Lecture	3 SWS	Graduate	Integrierte Mikrowellenschaltungen II
Intelligent Decision-Making	Lecture	3 SWS	Graduate	Intelligent Decision-Making
Intercultural Communication	Seminar	2 SWS	Graduate	Intercultural Communication
International Project Management	Lecture	2 SWS	Graduate	International Project Management
Introduction to Digital Communications	Lecture	4 SWS	Graduate	Introduction to Digital Communications
Introduction to Digital Communications (lab)	Internship	1 SWS	Graduate	Introduction to Digital Communications (lab)
Introduction to Energy Storage	Lecture	2 SWS	Graduate	Introduction to Energy Storage
Introduction to LaTeX	Lecture/Exercise	1 SWS	Graduate	Introduction to LaTeX
Introduction to LaTeX	Lecture/Internship	1 SWS	Graduate	Introduction to LaTeX
Introduction to MATLAB	Internship	2 SWS	Graduate	Introduction to MATLAB
Introduction to Signal Detection and Estimation	Lecture	3 SWS	Graduate	Introduction to Signal Detection and Estimation
Nutritional and consumer behaviour	Lecture	4 SWS		Nutritional and consumer behaviour
Octavia Butler	Seminar	2 SWS	Graduate / Undergraduate	Octavia Butler
Optical Communication Systems	Lecture	2 SWS	Graduate	Optical Communication Systems
Optical Communication Systems Practical Training	Internship	1 SWS	Graduate	Optical Communication Systems Practical Training
Optimal Control	Lecture	4 SWS	Graduate	Optimal Control
Optoelectronics Project Work	Project Work	4 SWS	Graduate	Optoelectronics Project Work
Pattern Recognition and Machine Learning 2	Lecture	4 SWS	Graduate	Pattern Recognition and Machine Learning 2

Photovoltaic Systems	Seminar	2 SWS	Graduate	Photovoltaic Systems
Physics and spectroscopy of diatomic molecules	Lecture	3 SWS	Graduate	Physics and spectroscopy of diatomic molecules
Physics with synchrotron radiation	Lecture	2 SWS	Graduate	Physics with synchrotron radiation (Physik mit Synchrotronstrahlung)
Play with Purpose: Systems Thinking and Critical Design	Seminar			Play with Purpose: Systems Thinking
PMP2 Experimental Physics Semina	Seminar	2 SWS	Graduate	PMP2 Experimental Physics Semina
Politics, development and culture	Seminar		Undergraduate	Politics, development and culture
Polymers from renewable resources / Biological materials	Lecture		Graduate	Polymers from renewable resources / Biological materials
Potentials of German Institutions and Companies for the MENA Region	Lecture	2 SWS		Potentials of German Institutions and Companies for the MENA Region
Present Challenges in REEE	Lecture		Graduate	Present Challenges in REEE
Product and Brand Management	Seminar	4 SWS	Undergraduate	Product and Brand Management
Quantum Computing	Lecture/Tutorial	4 SWS	Graduate	Quantum Computing
Risk assessment of computer architectures	Lecture/Tutorial	4 SWS	Graduate	Risk Assessment
Safety Electronic Systems in Vehicles	Lecture	4 SWS	Graduate	Safety Electronic Systems
Seminar Optical Communication Systems	Seminar	2 SWS	Graduate	Optical Communication Systems
Signal Processing in Wireless Communications	Seminar	2 SWS	Graduate	Signal Processing
Simulation of Digital Communication Systems using MATLAB	Internship	2 SWS	Graduate	Digital Communication
Smart Grids	Lecture	3 SWS	Graduate	Smart Grids
Solar Thermal Cooling	Lecture	2 SWS	Graduate	Thermal Cooling
System Aspects of Bio Power Generation	Lecture/Internship	2 SWS	Graduate	Bio Power Generation
Technical Mechanics	Lecture	2 SWS	Graduate	Technical Mechanics
Wireless Communications Project Work	Project Work	4 SWS	Graduate	Wireless Communication
Autonomous Learning	Lecture	4 SWS	Graduate	Autonomous Learning
Bachelor project in the field of Distributed Systems: Internet Architecture	Project Work	8 SWS	Undergraduate	Bachelorprojekt im Fachgebiet Verteilte Systeme: Internet Architektur
Code-Camp Context Awareness 1	Lecture	4 SWS	Undergraduate	Code-Camp Context Awareness 1
Code-Camp Context Awareness 2	Lecture	4 SWS	Graduate	Code-Camp Context Awareness 2
German course level A1	Seminar	6 SWS	Graduate	Deutschkurs Level A1

Electrical systems in Formula Student	Project Work	4 SWS	Undergraduate	Elektrische Systeme in der Formula Student
Electrical systems in Formula Student	Project Work	4 SWS	Graduate	Elektrische Systeme in der Formula Student
Experimentation and Evaluation in Machine Learning	Lecture	4 SWS	Graduate	Experimentation and Evaluation in Machine Learning
Basics of technical optics	Lecture	2 SWS	Undergraduate	Grundlagen der technischen Optik
Internet Measurements	Lecture	4 SWS	Graduate	Internet Measurements
Introduction to Agent-Based Modelling	Lecture	4 SWS	Graduate	Introduction to Agent-Based Modelling
Labor Deep Learning	Internship	4 SWS	Graduate	Labor Deep Learning
Labor Grand Challenges of Machine Learning	Internship		Graduate	Labor Grand Challenges of Machine Learning
Laboratory Networks	Internship	4 SWS	Graduate	Labor Netzwerke
Cryptographic Methods Laboratory	Internship	4 SWS	Undergraduate	Labor zu Kryptografischen Verfahren
Power electronics	Lecture	4 SWS	Graduate / Undergraduate	Leistungselektronik
Master's project in the field of Distributed Systems: Internet Architecture	Project Work	4 SWS	Graduate	Masterprojekt im Fachgebiet Verteilte Systeme: Internet Architektu
Master's seminar in the field of distributed systems	Seminar	2 SWS	Graduate	Masterseminar im Fachgebiet Verteilte Systeme
Microsystem Technology	Lecture	2 SWS	Graduate / Undergraduate	Microsystem Technology
Modeling of environmental processes	Lecture	4 SWS	Graduate	Modellierung von Umweltprozessen
Optoelectronics Internship I	Internship	2 SWS	Graduate	Praktikum Optoelektronik I
SAT-Solver	Lecture	4 SWS	Graduate / Undergraduate	SAT-Solver
Software verification	Lecture	4 SWS	Graduate	Software-Verifikation
Social network analysis	Lecture	4 SWS	Graduate	Soziale Netzwerkanalyse
Electronics and Photonics	Seminar	4 SWS	Graduate	Elektronik und Photonik
Technology of Electronic and Optoelectronic Devices	Lecture	2 SWS	Graduate / Undergraduate	Technology of Electronic and Optoelectronic Devices
Microwave and millimeter wave technology I	Internship	2 SWS	Graduate	Mikrowellen- und Millimeterwellentechnik I

Control and regulation theory	Project Work	4 SWS	Graduate / Undergraduate	Regelungs- und Steuerungstheorie
Control and systems theory	Project Work	3 SWS	Graduate	Regelungs- und Systemtheorie
Internet architecture and services	Lecture	4 SWS	Graduate / Undergraduate	Architektur und Dienste des Internets
Machine Learning for Language Technologies	Lecture	4 SWS	Undergraduate	Machine Learning for Language Technologies
Natural Language Processing	Lecture	4 SWS	Graduate	Natural Language Processing
Scalable Language Technologies	Internship	4 SWS	Undergraduate	Scalable Language Technologies

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At the School of Art and Design at least one of the classes is taught completely in English. Much of the Work is done in one-on-one discussions with the teachers which usually can be done in English. Some lecturers will switch the language to English if wished so by the participants. Once your application documents have been reviewed, you will be assigned to a professor that fits your work the most. The professor will be able to advise you further on which courses to attend.

Course Title	Type of Course	Duration	Level	Link
Photography Study Workshop Your Project - Your Work				Studienwerkstatt Fotografie Dein Projekt