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

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## 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

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

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

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

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

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

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

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



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

## (10) Faculty of Mathematics and Natural Sciences

| Lecture                                                                                               | Type              | Level            |
|-------------------------------------------------------------------------------------------------------|-------------------|------------------|
| <a href="#">Advanced Methods in Dynamical Systems and Machine Learning</a> - 4 SWS                    | lecture           | Master           |
| <a href="#">Advances in Theoretical Physics at the Nanoscale</a> - 2 SWS                              | seminar           | Master           |
| <a href="#">Applied Machine Learning for Materials and Chemistry</a> - 2 SWS                          | exercise course   | Master           |
| <a href="#">Aromatic building blocks for organic nanostructures</a>                                   | lecture           | Master           |
| <a href="#">Basic Python Programming</a>                                                              | seminar           | Master           |
| <a href="#">Biological Colloquium with guest lectures</a> - 2 SWS                                     | discussion        | Bachelor/ Master |
| <a href="#">Professional specialization</a>                                                           | discussion        | Master           |
| <a href="#">Lab Course Advanced Physical and Theoretical Chemistry - PO2023</a> - 6 SWS               | practical         | Master           |
| <a href="#">Lab Course Nanophysics</a>                                                                | practical         | Master           |
| <a href="#">Machine Learning for Materials and Chemistry</a> - 2 SWS                                  | lecture           | Master           |
| <a href="#">Methodological knowledge and project planning</a>                                         | miscellaneous     | Master           |
| <a href="#">Methods in Neuroscience</a> - 2 SWS                                                       | seminar           | Bachelor/Master  |
| <a href="#">Nanochemistry II (Nanostrukturen aus chemischer Sicht II)</a> - 3 SWS                     | cycle of lectures | Master           |
| <a href="#">Nano Scale Quantum Optics II – Applications in Quantum Information Processing</a> - 4 SWS | lecture           | Master           |
| <a href="#">Physics and spectroscopy of diatomic molecules</a> - 3 SWS                                | lecture           | Master           |
| <a href="#">Physics with synchrotron radiation (Physik mit Synchrotronstrahlung)</a> - 2 SWS          | lecture           | Master           |
| <a href="#">PMP2 Experimental Physics Seminar</a> - 2 SWS                                             | seminar           | Master           |
| <a href="#">Polymers from renewable resources / Biological materials</a>                              | lecture           | Master           |
| <a href="#">Research Internship Biophysics (Forschungspraktikum Biophysik)</a>                        | block practical   | Master           |
| <a href="#">Ring lecture of the Research Training Network Multiscale Clocks</a> - 1 SWS               | cycle of lectures | Master           |
| <a href="#">Semiconductor Quantum Optics</a>                                                          | lecture           | Master           |
| <a href="#">Seminar Advanced Physical and Theoretical Chemistry - PO2023</a> - 2 SWS                  | seminar           | Master           |
| <a href="#">Seminar Advanced Synthetic Chemistry (Seminar Synthesechemie II)</a>                      | seminar           | Master           |
| <a href="#">Spezielle Aspekte der Entwicklungsgenetik (Modul W7)</a>                                  | seminar           | Master           |
| <a href="#">Theoretical Solid State Physics</a> - 4 SWS                                               | lecture           | Master           |
| <a href="#">Theoretical Solid State Physics</a> - 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    |               |         | <a href="#">Academic Writing, FB11</a>                                                      |
| Agriculture and ecosystem services                                          | Seminar        | 4 SWS    |               |         | <a href="#">Agriculture and ecosystem Services</a>                                          |
| Applied statistical modelling                                               | Lecture        | 4 SWS    |               |         | <a href="#">Applied Statistical Modelling</a>                                               |
| Assessing food quality                                                      | Seminar        | 4 SWS    |               |         | <a href="#">Assesing Food Quality</a>                                                       |
| Biodynamic agriculture                                                      | Seminar        | 4 SWS    |               |         | <a href="#">Biodynamic Agriculture</a>                                                      |
| Crop husbandry and technology in the tropics                                | Seminar        | 4 SWS    |               |         | <a href="#">Technology in the tropics</a>                                                   |
| Digitalisation in livestock systems                                         | Seminar        | 4 SWS    |               |         | <a href="#">Digitalisation in livestock systems</a>                                         |
| Engineering software in agriculture and livestock farming                   | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Engineering software in agriculture and livestock farming</a>                   |
| Environment and health                                                      | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Environment and health</a>                                                      |
| EU policies, organic farming and food system transformation                 | Seminar        | 4 SWS    | Graduate      |         | <a href="#">EU policies, organic farming and food system transformation</a>                 |
| Food product development                                                    | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Food product development</a>                                                    |
| Grassland-based livestock systems and climate change mitigation             | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Grassland-based livestock systems and climate change mitigation</a>             |
| Green Business in Europe                                                    | Seminar        | 4 SWS    | Undergraduate |         | <a href="#">Green Business in Europe</a>                                                    |
| Innovation management in the food sector                                    | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Innovation management in the food sector</a>                                    |
| Innovative livestock breeding                                               | Seminar        | 4 SWS    | Graduate      |         | <a href="#">Innovative livestock breeding</a>                                               |
| Intercultural communication (IFBC)                                          | Exercise       | 1 SWS    | Graduate      |         | <a href="#">Intercultural communication (IFBC)</a>                                          |
| Interdisciplinary project (AGES)                                            | Seminar        | 2 SWS    | Graduate      |         | <a href="#">Interdisciplinary project (AGES)</a>                                            |
| Multiple Crises, the rise of the far right, and socio-economic alternatives | Seminar        |          | Graduate      |         | <a href="#">Multiple Crises, the rise of the far right, and socio-economic alternatives</a> |

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

## (14) Faculty of Civil and Environmental Engineering

| Lecture                                                                        | Type                    | Level  |
|--------------------------------------------------------------------------------|-------------------------|--------|
| <a href="#">Application of activated sludge models in practice</a> - 2 SWS     | lecture/exercise course | Master |
| <a href="#">Modelling of biological wastewater treatment processes</a> - 2 SWS | lecture                 | Master |
| <a href="#">Tracers in Hydrology</a> - 2 SWS                                   | lecture                 | Master |
| <a href="#">Analysis, Evaluation and Design of Waste-Resource Systems</a>      | seminar                 | Master |
| <a href="#">Modelling of biological wastewater treatment processes</a>         | lecture                 | Master |
| <a href="#">Application of activated sludge models in practice</a>             | lecture                 | Master |
| <a href="#">Climate Model Analysis</a>                                         | lecture                 | Master |
| <a href="#">Design of cycling and pedestrian facilities</a>                    | lecture                 | Master |
| <a href="#">Current topics in sustainable mobility</a>                         | lecture                 | Master |
| <a href="#">Offshore Foundations</a>                                           | lecture                 | Master |

## (15) Faculty of Mechanical Engineering and Mechatronics

Contact for General Questions Fatih Meral [f.meral@uni-kassel.de](mailto:f.meral@uni-kassel.de)

| Course Title                                                                        | Type of Course | Duration | Credits | Level                    | Link                                                                               |
|-------------------------------------------------------------------------------------|----------------|----------|---------|--------------------------|------------------------------------------------------------------------------------|
| Advanced Optical Microscopy for Materials Engineering                               | Seminar        | 4 SWS    |         | Graduate                 | <a href="#">Advanced Optical Microscopy</a>                                        |
| Networked and Distributed Control Systems                                           | Lecture        | 3 SWS    |         | Graduate                 | <a href="#">Networked and Distributed Control Systems</a>                          |
| Nutrient aquisition by plant                                                        | Seminar        | 4 SWS    |         | Graduate                 | <a href="#">Nutrient aquisition by plant</a>                                       |
| Fundamentals of Refrigeration and Heat Pump Technology - Practical Course           | Practice       | 3 SWS    |         | Graduate / Undergraduate | <a href="#">Grundlagen der Kälte- und Wärmepumpentechnik</a>                       |
| Seminar on Multiphase Systems and Transport Processes                               | Practice       | 2 SWS    |         | Graduate / Undergraduate | <a href="#">Seminar für mehrphasige Systeme und Transportprozesse</a>              |
| Technical Applications of Refrigeration and Heat Pump Technology - Practical Course | Practice       | 2 SWS    |         | Graduate / Undergraduate | <a href="#">Technische Anwendung der Kälte- und Wärmepumpentechnik - Praktikum</a> |
| 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 /<br>Undergraduate | <a href="#">Wärmeübertragung 1 - Praktikum</a>                            |
| Heat Transfer II                                                    | Lecture   | 4 SWS | 6   | Graduate /<br>Undergraduate |                                                                           |
| Heat Transfer II - Practical Course                                 | Practical | 2 SWS | 1-3 | Graduate /<br>Undergraduate | <a href="#">Wärmeübertragung 2 - Praktikum</a>                            |
| Refrigeration and Heat Pump Technology I –<br>Fundamentals          | Lecture   | 3 SWS | 4   | Graduate /<br>Undergraduate |                                                                           |
| Refrigeration and Heat Pump Technology I - Practical<br>Course      | Practical | 2 SWS | 1-3 | Graduate /<br>Undergraduate |                                                                           |
| Refrigeration and Heat Pump Technology I - Technical<br>Application | Lecture   | 4 SWS | 4   | Graduate /<br>Undergraduate |                                                                           |
| Refrigeration and Heat Pump Technology II - Practical<br>Course     | Practical | 2 SWS | 1-3 | Graduate /<br>Undergraduate |                                                                           |
| Thermodynamics of Multicomponent Systems                            | Lecture   | 4 SWS | 6   | Graduate /<br>Undergraduate |                                                                           |
| Fundamentals of Thermal Separation                                  | Lecture   | 4 SWS | 6   | Graduate /<br>Undergraduate |                                                                           |
| Thermodynamics of Chemical Reactions                                | Lecture   | 2 SWS | 3   | Graduate /<br>Undergraduate |                                                                           |
| Seminar on Sustainable Energy Transformation                        | Seminar   | 2 SWS | 1-3 | Graduate /<br>Undergraduate |                                                                           |
| Seminar on Multiphase Systems and Transport Processes               | Seminar   | 2 SWS | 1-3 | Graduate /<br>Undergraduate | <a href="#">Seminar für mehrphasige Systeme und<br/>Transportprozesse</a> |



|                                                                                    |           |       |     |                          |
|------------------------------------------------------------------------------------|-----------|-------|-----|--------------------------|
| 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 | <a href="#">Advanced Digital Control</a>         |
| Automatisierung und Systeme     | Lecture        | 5 SWS    | Graduate | <a href="#">Automatisierung und Systeme</a>      |
| Bio Gas                         | Lecture        | 2 SWS    | Graduate | <a href="#">Bio Gas</a>                          |
| Business Economic Aspects of RE | Lecture        | 2 SWS    |          | <a href="#">Business Economics Aspects of RE</a> |

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

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

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

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

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

### (KHK) [Faculty of Art and Design](#)

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 |                |          |       | <a href="#">Studienwerkstatt Fotografie   Dein Projekt</a> |