

# Englische Modulbeschreibungen<sup>i</sup>

## Grundinformationen

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| Modulname, -titel                                                                                                                                                  | Module title                                                                                                                                                                                                                                                                                                        |
| Modulverantwortung                                                                                                                                                 | Module coordinator                                                                                                                                                                                                                                                                                                  |
| Fakultät                                                                                                                                                           | Department ( <i>nicht Faculty</i> )                                                                                                                                                                                                                                                                                 |
| Studiengang                                                                                                                                                        | Degree program                                                                                                                                                                                                                                                                                                      |
| Lehrveranstaltung/en<br>(LV-Nummer und LV-Bezeichnung)                                                                                                             | Course title(s) and ID(s)                                                                                                                                                                                                                                                                                           |
| Dozent/in (oder Lehrende/r)                                                                                                                                        | Instructor                                                                                                                                                                                                                                                                                                          |
| Zuordnung, Verwendbarkeit in folgenden Studiengängen<br>(Alle Studiengänge, in denen das Modul als Pflicht-oder Wahlpflichtfach oder Schwerpunkt angerechnet wird) | Allocation                                                                                                                                                                                                                                                                                                          |
| Maximale Teilnehmerzahl, Gruppengröße                                                                                                                              | Participant limit                                                                                                                                                                                                                                                                                                   |
| Empfohlene(s) Studienfachsemester<br>(z.B. DEC-01)                                                                                                                 | Recommended semester(s)                                                                                                                                                                                                                                                                                             |
| SWS                                                                                                                                                                | Contact hours<br>(class periods per week per semester)                                                                                                                                                                                                                                                              |
| Leistungspunkte, Credits, ECTS-Punkte                                                                                                                              | ECTS credits                                                                                                                                                                                                                                                                                                        |
| Aufwand, Workload, Studentische Arbeitsbelastung<br>(Kontaktzeit + Selbststudium/Gruppenarbeit)                                                                    | Workload<br>(Total hours = contact hours + self-study/<br>group-work hours)                                                                                                                                                                                                                                         |
| Studienabschnitt                                                                                                                                                   | Module Level: Bachelor's / Master's                                                                                                                                                                                                                                                                                 |
| Lehrform(en)                                                                                                                                                       | Module type / Type of instruction: <ul style="list-style-type: none"> <li>▪ Lecture (German abbrev. = V)</li> <li>▪ Seminar (S)</li> <li>▪ Laboratory / Lab (L)</li> <li>▪ Tutorial</li> <li>▪ Exercise (Ü)</li> <li>▪ Project</li> <li>▪ Colloquium (KO)</li> <li>▪ Practice course</li> <li>▪ Workshop</li> </ul> |
| Stellung im Studiengang lt. StuPO<br>(z. B.) Basismodul                                                                                                            | Position in curriculum<br>Basic module                                                                                                                                                                                                                                                                              |
| Studiengangschwerpunkte (Inhalte, Themen)                                                                                                                          | Main subjects/contents of study program                                                                                                                                                                                                                                                                             |
| Moduldauer                                                                                                                                                         | Module duration<br>1 semester / 2 semesters / multiple semesters                                                                                                                                                                                                                                                    |

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| Zyklus, Häufigkeit des Angebots, Modulturnus                                        | Frequency <ul style="list-style-type: none"> <li>▪ Winter semester</li> <li>▪ Summer semester</li> <li>▪ Every semester</li> <li>▪ Irregularly/based on demand</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lehrveranstaltungssprache                                                           | Language of instruction<br>German / English / German and English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Stellenwert in der Praxis                                                           | Practical relevance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formale Zulassungsvoraussetzungen                                                   | Prerequisites (required)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Empfohlene Vorkenntnisse/Lehrveranstaltungen                                        | Prerequisites (recommended)<br>Beispiele:<br>Module IN01: Introduction to Informatics 1<br>Fundamentals of power engineering taught in the first semester<br>Knowledge of software in R/Splus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Angestrebte Lernziele des Moduls bzw. der LV (Kompetenzerwerb) > <i>siehe unten</i> | Learning Outcomes<br>> <i>see below</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Lerninhalte, Themen                                                                 | Content<br>➔ Max. 10 Einträge, kurz und übersichtlich aufgeführt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Methodik, Lehr- und Lernmethoden                                                    | Methodology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Voraussetzungen für die Vergabe von Leistungspunkten, Prüfungsart                   | Assessment / Coursework and Examination Requirements: <ul style="list-style-type: none"> <li>▪ Written exam (German abbrev. = K)</li> <li>▪ Written assignment (HA)</li> <li>▪ Constructive design (E)</li> <li>▪ Artistic design (KE)</li> <li>▪ Lab work (LA)</li> <li>▪ Oral exam (M)</li> <li>▪ Oral report, presentation (RE)</li> <li>▪ Practical work (PA, "Praktische Arbeit", obwohl i.d.R. wissenschaftliche Arbeit)</li> <li>▪ Term paper (ST, "Studienarbeit," "sonstige schriftliche Arbeit")</li> <li>▪ Written report (BE)</li> <li>▪ Project report (PR)</li> <li>▪ Colloquium (KO)</li> <li>▪ Artistic-scientific work (KWA, "Künstlerisch-Wissenschaftliche Arbeit")</li> <li>▪ Final thesis (AA)</li> </ul> |

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| <p>Art der Notengebung</p> <p>Notenskala</p>                                                                                            | <p>Type of grading</p> <p>Grading scale</p> <p>benotet = graded</p> <p>bestanden/nicht-bestanden = pass/fail</p> <p>Gesamtnote = final grade</p> <p>Gewichtung = weighting<br/>(Verb: to weight, to be weighted)</p> <p>Beispiele:</p> <ul style="list-style-type: none"> <li>• The final grade is calculated by weighting assignments 35%, the two mid-term essays 20% each, and the final exam 25%.</li> <li>• The final grade is an averaged grade from the written examination (40 %) and the lab reports (10 % each / overall 60 %).</li> <li>• The assessment consists of a presentation of the contents and results of a project in a 10-minute oral report, including subsequent discussion (30%), preparation of a written report containing the content and results of the project (40%), and regular discussions with the assigned tutor about the progression of the project and next steps (30%).</li> </ul> |
| <p>Literatur</p> <p>Die aktuelle Literaturliste wird in der Lehrveranstaltung bekannt gegeben.</p> <p>Auszug aus der Literaturliste</p> | <p>Reading list</p> <p>The up-to-date reading list will be announced in class.</p> <p>Reading list excerpt</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Literaturempfehlung                                                                                                                     | Suggested reading                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sonstige Hinweise, Informationen                                                                                                        | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Learning Outcomes

→ The specific skills students will have achieved upon completion of the module

*plus*

→ The level of cognitive thinking which is necessary to achieve these intended outcomes

### Leitgedanken:

- Nur die wichtigsten, maximal 8 Lernziele
- Nur 1 Verb pro Lernziel
- Alle Lernziele müssen messbar (prüfbar) sein, entsprechend formulieren
- Einfache und eindeutige Begriffe, die auch ohne akademischen Hintergrund verstanden werden

### Mögliches Grundschema:

“Upon successful completion of this module, students are able ...”

+ *aktives Verb für die kognitive Fähigkeit (sechs Kognitionsstufen, siehe unten)*

+ *Beschreibung des Modulinhalts*

### Beispiele:

- Upon successful completion of the module, students are able to understand globalization as a future trend, understand and analyze the problems arising in the process of globalization, and apply this knowledge situationally.
- Upon successful completion of the module, students are able to understand and analyze:
  - approaches to leadership and management
  - intercultural aspects of Asian and European management, so that they are able to make basic comparisons and draw conclusions about the differences between and relationship of Europe and Asia in modern history.

### Hintergrund: Sechsstufige Taxonomie der Lernziele (nach Bloom)

Hauptverben:

| Deutsch        | → English     |
|----------------|---------------|
| 1. erinnern    | 1. remember   |
| 2. verstehen   | 2. understand |
| 3. anwenden    | 3. apply      |
| 4. analysieren | 4. analyze    |
| 5. bewerten    | 5. evaluate   |
| 6. entwickeln  | 6. create     |

(Jede höhere kognitive Lernzielebene subsumiert alle darunterliegenden, z. B. anwenden/apply (Ebene 3) beinhaltet auch erinnern/remember und verstehen/understand“ (Ebenen 1+2).)

## Synonyme

*Die folgende Synonymliste kann herangezogen werden, um die Lernziele innerhalb der einzelnen Kognitionsstufen etwas nuancierter zu beschreiben und weniger eintönig zu formulieren – wobei das Hauptaugenmerk immer auf Eindeutigkeit und Verständlichkeit gerichtet sein sollte, nicht auf stilistisches Flair.*

|                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>remember</b>   | recognize, list, describe, identify, retrieve, name, locate, find, recall, define, mark, show, reference              |
| <b>understand</b> | interpret, exemplify, summarize, infer, paraphrase, classify, explain, compare, translate, illustrate, argue, discuss |
| <b>apply</b>      | implement, carry out, use, execute, demonstrate, solve, discover, operate, prepare, transfer, predict                 |
| <b>analyze</b>    | compare, organize, deconstruct, attribute, outline, structure, integrate                                              |
| <b>evaluate</b>   | check, hypothesize, critique, experiment, judge, test, detect, monitor, differentiate                                 |
| <b>create</b>     | design, construct, plan, produce, invent, devise, make, generate                                                      |

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<sup>i</sup> Quelle: "How to Write a Module Description," Office of Academic and Student Affairs, TU München, Version 2, November 2014; Bearbeitung/Übersetzung Simone Schede, Juli 2017