

| Modulname<br>Modulname (Englisch) | Empf.<br>Sem. | Modulart<br>PF/<br>WP | Angebots-<br>häufig-<br>keit | Dauer | Verwend-<br>barkeit<br>im Stu-<br>dien-<br>gang+) | Voraus-<br>setzungen<br>für die<br>Teilnahme<br>* PVL | Prüfungs- |                   | Studentische<br>Arbeitsbelastung (in<br>Zeitstunden) |               | LP | SWS |
|-----------------------------------|---------------|-----------------------|------------------------------|-------|---|---|-----------|-------------------|--|---------------|----|-----|
|                                   |               |                       |                              |       |   |   | art       | form/-<br>dauer*) | Präsenz-<br>studium                                  | Selbststudium |    |     |

| <b>Wahlpflichtmodule Gruppe 2 (Elective Modules Group 2)</b>  |     |    |              |   |   |  |       |       |    |    | <b>15-0</b> |   |
|---|-----|----|--------------|---|---|--|-------|-------|----|----|-------------|---|
| Betontechnologie<br>(Concrete Technology)   | 5/6 | WP | WiSe<br>SoSe | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Schallschutz<br>(Noise Insulation)  | 5/6 | WP | SoSe         | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Konstruieren im Stahlbetonbau<br>Kopplung CAD-FEM<br>(Construction in reinforced<br>Concrete Construction -<br>combining CAD) | 5/6 | WP | SoSe         | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Massivbrücken<br>(Solid Bridges)  | 5/6 | WP | SoSe         | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Modellierung Geotechnischer<br>Probleme in EDV-Programmen<br>(Modeling geotechnical<br>problems using EDP software)           | 5/6 | WP | WiSe<br>SoSe | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Personalführung<br>(Human Resource Management)  | 5/6 | WP | WiSe<br>SoSe | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Projektentwicklung<br>(Project Development)   | 5/6 | WP | WiSe         | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |
| Qualitätsmanagement und<br>SiGeKo<br>(Quality Management and<br>Coordination of Health and<br>Safety Issues)                  | 5/6 | WP | SoSe         | 1 | B |  | SL/PL | KA/K2 | 54 | 96 | 5           | 4 |

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| Recht des Ingenieurs und Projektmanagers<br><i>(Rights of the Engineer and the Project Manager)</i>                                      | 5/6 | WP | WiSe         | 1 | B              |  | SL/PL | KA/K2 | 54 | 96 | 5         | 4 |  |
| Sanierung von Rohrleitungen<br><i>(Rehabilitation of Pipelines)</i>  | 5/6 | WP | WiSe<br>SoSe | 1 | B              |  | SL/PL | KA/K2 | 54 | 96 | 5         | 4 |  |
| Mauerwerksbau<br><i>(Masonry Construction)</i>   | 5/6 | WP | SoSe         | 1 | B              |  | SL/PL | KA/K2 | 54 | 96 | 5         | 4 |  |
| Verbundbau<br><i>(Composite Construction)</i>  | 5/6 | WP | SoSe         | 1 | B              |  | SL/PL | KA/K2 | 54 | 96 | 5         | 4 |  |
| Ausgewählte Kapitel des Stahlbetonbaus<br><i>(Selected Topics of Reinforced Concrete Construction)</i>                                   | 5/6 | WP | WiSe         | 1 | B              |  | SL/PL | KA/K2 | 54 | 96 | 5         | 4 |  |
| <b>Wahlpflichtmodule Gruppe 3 (Elective Modules Group 3)</b>   |     |    |              |   |                |  |       |       |    |    | <b>10</b> |   |  |
| Anwendung baubetriebswirtschaftlicher Software des BRZ<br><i>(Business software applications for the construction industry)</i>          | 5/6 | WP | WiSe<br>SoSe | 1 | BWI, B,<br>BIT |  | SL    | KA    | 27 | 48 | 3         | 2 |  |
| Digitales Engineering<br><i>(Digital Engineering)</i>  | 5/6 | WP | WiSe<br>SoSe | 1 | B, BWI,<br>BIT |  | SL    | KA    | 54 | 96 | 5         | 4 |  |
| Energiewende baulich und kommunikativ begleiten<br><i>(Renewable Energy transition - support in building and communication projects)</i> | 5/6 | WP | WiSe         | 1 | B              |  | SL    | KA    | 27 | 48 | 3         | 2 |  |
| European Integration & Management (engl.)  | 5/6 | WP | SoSe         | 1 | BWI, B,<br>BIT |  | SL    | KA    | 54 | 96 | 5         | 4 |  |
| Freies Vertiefungsprojekt  | 5/6 | WP | WiSe         | 1 | B, BWI,        |  | SL    | KA    | 54 | 96 | 5         | 4 |  |

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| <i>(Open Project)</i>   |     |    | SoSe         |   | BIT            |  |    |    |    |    |   |   |  |
| Geotechnische Projekte in Planung und Ausführung<br><i>(Planning and Execution of Geotechnical Projects)</i>      | 5/6 | WP | WiSe<br>SoSe | 1 | B              |  | SL | KA | 54 | 96 | 5 | 4 |  |
| Grundlehrgang Schweißfachingenieur<br><i>(Basic Course Welding Engineer)</i>                                      | 5/6 | WP | SoSe         | 1 | B              |  | SL | KA | 54 | 96 | 5 | 4 |  |
| International Economics (engl.)   | 5/6 | WP | WiSe         | 1 | BWI, B,<br>BIT |  | SL | KA | 54 | 96 | 5 | 4 |  |
| International Real Estate Markets (engl.)   | 5/6 | WP | WiSe         | 1 | B, BWI         |  | SL | KA | 54 | 96 | 5 | 4 |  |
| Internationales Management im Bauwesen<br><i>(International Management)</i>                                       | 5/6 | WP | SoSe         | 1 | BWI (PF),<br>B |  | SL | KA | 54 | 96 | 5 | 4 |  |
| IT Projekt Baubetrieb/BIM<br><i>(IT Project Building Operations/BIM)</i>  | 5/6 | WP | WiSe<br>SoSe | 1 | B              |  | SL | KA | 54 | 96 | 5 | 4 |  |
| Kaufmännische Abwicklung von Bau-Arbeitsgemeinschaften<br><i>(Commercial Execution of Construction Consortia)</i> | 5/6 | WP | WiSe         | 1 | BWI, B,<br>BIT |  | SL | KA | 54 | 96 | 5 | 4 |  |
| Karriereplanung<br><i>(Career Planning)</i>   | 5/6 | WP | WiSe<br>SoSe | 1 | BWI, B,<br>BIT |  | SL | KA | 27 | 48 | 3 | 2 |  |
| Kommunikation in Projekten<br><i>(Communication in Building Projects)</i>   | 5/6 | WP | WiSe         | 1 | B              |  | SL | KA | 27 | 48 | 3 | 2 |  |
| Konjunktur und Wachstum in der Bauwirtschaft<br><i>(Macroeconomic Issues of the Building Sector)</i>              | 5/6 | WP | WiSe         | 1 | BWI, B,<br>BIT |  | SL | KA | 54 | 96 | 5 | 4 |  |

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| Rechnungslegung und Jahresabschlussprüfung im Unternehmen<br><i>(Accounting and Annual Auditing in Enterprises)</i>   | 5/6 | WP | WiSe<br>SoSe | 1 | BWI, B         |  | SL | KA | 27 | 48 | 3 | 2 |  |
| Schadstoffe in Gebäuden<br><i>(Contamination in Buildings)</i>  | 5/6 | WP | SoSe         | 1 | B              |  | SL | KA | 54 | 96 | 5 | 4 |  |
| Strategische (Bau-)Unternehmensentwicklung: Organisation und Prozesse<br><i>(Strategic Development of (Construction-)Companies: Organisation and Processes)</i> | 5/6 | WP | WiSe<br>SoSe | 1 | BWI, B,<br>BIT |  | SL | KA | 27 | 48 | 3 | 2 |  |
| Thermografie an Gebäude- und energietechnischen Anlagen<br><i>(Thermal Imaging of Building Structure and Services)</i>  | 5/6 | WP | WiSe         | 1 | B              |  | SL | KA | 27 | 48 | 3 | 2 |  |
|   |     |    |              |   |                |  |    |    |    |    |   |   |  |