

**Studienplan Master  
Bauingenieurwesen  
(BAUMS)**

| Empf. Sem.  | Modulname (deutsch / englisch)   | Modul   |                     |          |          |           | Prüfung |  |                |               | Studienleistung |              |  |
|---|--|---------|---------------------|----------|----------|-----------|---------|--|----------------|---------------|-----------------|--------------|--|
|   |  | Sprache | Modul verantwortung | Institut | P/WP (1) | GM/OM (2) | LP (4)  | Note   | Prüfungsart(3) | Verpflichtend | Art             | Bonus (in %) |  |
| <b>Kernqualifikation</b> Pflichtbereich: 24 LP Wahlpflichtbereich: 0 LP                     |  |         |                     |          |          |           |         |  |                |               |                 |              |  |
| 1   | Finite-Elemente-Methoden / Finite Elements Methods   | EN      | Prof. von Estorff   | M-16     | P        | GM        | 6       | J  | KL             | N             | MT              | 20           |  |
| 1   | Nachhaltigkeit und Risikomanagement / Sustainability and Risk Management                           | DE / EN | Prof. Kuchta        | V-9      | P        | GM        | 6       | J  | SA             |               |                 |              |  |
| 1-3   | Betrieb & Management / Business & Management   | DE / EN | Prof. Meyer         | W-1      | P        | OM        | 6       | Auswahl aus separat veröffentlichtem Katalog |                |               |                 |              |  |
| 1-3   | Nichttechnische Ergänzungskurse im Master / Nontechnical Elective Complementary Courses for Master | DE / EN | Richter             | 0-TUHH   | P        | OM        | 6       | Auswahl aus separat veröffentlichtem Katalog |                |               |                 |              |  |
| <b>Vertiefung Hafenbau und Küstenschutz</b> Pflichtbereich: 42 LP Wahlpflichtbereich: 24 LP |  |         |                     |          |          |           |         |  |                |               |                 |              |  |
| 1   | Konstruktionen im Grund- und Wasserbau / Structures in Foundation and Hydraulic Engineering        | DE      | Prof. Grabe         | B-5      | P        | GM        | 6       | J  | KL             |               |                 |              |  |
| 1   | Küstenwasserbau I / Coastal Hydraulic Engineering I  | DE      | Prof. Fröhle        | B-10     | P        | GM        | 6       | J  | KL             |               |                 |              |  |
| 1   | Spezialtiefbau und Bodenpraktikum / Advanced Foundation Engineering and Soil Laboratory Course     | DE      | Prof. Grabe         | B-5      | P        | GM        | 6       | J  | KL             | J             | FFST            | 0            |  |
| 2   | Hafenbau und Hafenplanung / Harbour Engineering and Harbour Planning                               | DE      | Prof. Fröhle        | B-10     | P        | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Küstenwasserbau II / Coastal Hydraulic Engineering II  | DE      | Prof. Fröhle        | B-10     | P        | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Marine Geotechnik und Numerik / Marine Geotechnics and Numerics                                    | DE      | Prof. Grabe         | B-5      | P        | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Abwassersysteme / Wastewater Systems   | DE / EN | Prof. Otterpohl     | B-2      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Baulogistik und Projektmanagement / Construction Logistics and Project Management                  | DE      | Prof. Flämig        | W-8      | WP       | GM        | 6       | J  | SA             |               |                 |              |  |
| 2   | Bauprozesse / Construction Processes   | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Baustatik und Baudynamik / Statics and Dynamics of Structures                                      | DE      | Prof. Starossek     | B-4      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Baustoffe und Bauwerkserhaltung / Building Materials and Building Preservation                     | DE      | Prof. Schmidt-Döhl  | B-3      | WP       | GM        | 6       | J  | KL             | J             | FFST            | 20           |  |
| 2   | Bodenmechanik und -dynamik / Soil Mechanics and -Dynamics  | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J  | MP             | J             | FFST            | 15           |  |
| 2   | Boundary-Elemente-Methoden / Boundary Element Methods  | EN      | Prof. von Estorff   | M-16     | WP       | GM        | 6       | J  | KL             | N             | MT              | 20           |  |
| 2   | Modellieren im Wasserbau / Modelling of Hydraulic Engineering                                      | DE / EN | Prof. Fröhle        | B-10     | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Modellierung in der Wasserwirtschaft / Modeling in Water Management                                | DE / EN | NN                  | B-2      | WP       | GM        | 6       | J  | MP             |               |                 |              |  |
| 2   | Projekt des Stahlbaus / Steel Construction Project   | DE      | Prof. Rutner        | B-4      | WP       | GM        | 6       | J  | SA             |               |                 |              |  |
| 2   | Spannbeton- und Massivbrückenbau / Design of Prestressed Structures and Concrete Bridges           | DE      | Prof. Rombach       | B-7      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 2   | Städtisches Umweltmanagement / Urban Environmental Management                                      | EN      | Dr. Rechtenbach     | B-2      | WP       | GM        | 6       | J  | SA             |               |                 |              |  |
| 2   | Stadtplanung / City Planning   | DE      | Prof. Gertz         | W-8      | WP       | GM        | 6       | J  | SA             |               |                 |              |  |
| 2   | Stromerzeugung aus Wind- und Wasserkraft / Electricity Generation from Wind and Hydro Power        | DE      | Dr. Gerth           | V-9      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 3   | Studienarbeit Hafenbau und Küstenschutz / Study Work Harbour and Coastal Engineering               |         | Prof. Fröhle        | B-10     | P        | GM        | 6       | J  | STA            |               |                 |              |  |
| 3   | Abfallbehandlungstechnologien / Waste Treatment Technologies                                       | DE / EN | Prof. Kuchta        | V-9      | WP       | GM        | 6       | J  | RE             | J             | FFST            | 0            |  |
| 3   | Ausgewählte Themen der Baustatik / Structural Analysis - Selected Topics                           | DE      | Prof. Starossek     | B-4      | WP       | GM        | 6       | J  | KL             |               |                 |              |  |
| 3   | Ausgewählte Themen des Bauingenieurwesens / Selected Topics in Civil Engineering                   | DE / EN | Prof. Starossek     | B-4      | WP       | OM        | 6       | Auswahl aus unten stehendem Katalog          |                |               |                 |              |  |

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|            |  | Sprache | Modul verantwortung | Institut | P/WP (1) | GM/OM (2) | LP (4)  | Note | Prüfungsart(3) | Verpflichtend   | Art | Bonus (in %) |
| 3          | Betontragwerke / Concrete Structures   | DE      | Prof. Rombach       | B-7      | WP       | GM        | 6       | J    | KL             |                 |     |              |
| 3          | Computerbasierte Berechnung von Betontragwerken / Computational Analysis of Concrete Structures                | DE      | Prof. Rombach       | B-7      | WP       | GM        | 6       | J    | MP             |                 |     |              |
| 3          | Gewässerschutz / Water Protection  | EN      | Prof. Otterpohl     | B-2      | WP       | GM        | 6       | J    | KL             |                 |     |              |
| 3          | Grundwasser / Groundwater  | DE      | NN                  | B-11     | WP       | GM        | 6       | J    | KL             |                 |     |              |
| 3          | Integrierte Verkehrsplanung / Integrated Transportation Planning   | DE      | Prof. Gertz         | W-8      | WP       | GM        | 6       | J    | SA             |                 |     |              |
| 3          | Materialprüfung, Bauzustands- und Schadensanalyse / Examination of Materials, Structural Condition and Damages | DE      | Prof. Schmidt-Döhl  | B-3      | WP       | GM        | 6       | J    | KL             |                 |     |              |
| 3          | Stahl- und Verbundtragwerke / Steel and Composite Structures   | DE      | Prof. Rutner        | B-4      | WP       | GM        | 6       | J    | KL             |                 |     |              |
| 3          | Tiefbaurecht und Projekte / Excavation Law and Projects  | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J    | MP             |                 |     |              |
| 3          | Wasserressourcen und -versorgung / Water Resources and -Supply   | DE      | Prof. Ernst         | B-11     | WP       | GM        | 6       | J    | KL             |                 |     |              |

### Vertiefung Tiefbau Pflichtbereich: 42 LP Wahlpflichtbereich: 24 LP

|   |  |         |                    |      |    |    |   |                                     |     |   |      |    |
|---|--|---------|--------------------|------|----|----|---|-------------------------------------|-----|---|------|----|
| 1 | Konstruktionen im Grund- und Wasserbau / Structures in Foundation and Hydraulic Engineering                    | DE      | Prof. Grabe        | B-5  | P  | GM | 6 | J                                   | KL  |   |      |    |
| 1 | Küstenwasserbau I / Coastal Hydraulic Engineering I  | DE      | Prof. Fröhle       | B-10 | P  | GM | 6 | J                                   | KL  |   |      |    |
| 1 | Spezialtiefbau und Bodenpraktikum / Advanced Foundation Engineering and Soil Laboratory Course                 | DE      | Prof. Grabe        | B-5  | P  | GM | 6 | J                                   | KL  | J | FFST | 0  |
| 2 | Baustoffe und Bauwerkserhaltung / Building Materials and Building Preservation                                 | DE      | Prof. Schmidt-Döhl | B-3  | P  | GM | 6 | J                                   | KL  | J | FFST | 20 |
| 2 | Bodenmechanik und -dynamik / Soil Mechanics and -Dynamics  | DE      | Prof. Grabe        | B-5  | P  | GM | 6 | J                                   | MP  | J | FFST | 15 |
| 2 | Marine Geotechnik und Numerik / Marine Geotechnics and Numerics  | DE      | Prof. Grabe        | B-5  | P  | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Abwassersysteme / Wastewater Systems   | DE / EN | Prof. Otterpohl    | B-2  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Baulogistik und Projektmanagement / Construction Logistics and Project Management                              | DE      | Prof. Flämig       | W-8  | WP | GM | 6 | J                                   | SA  |   |      |    |
| 2 | Bauprozesse / Construction Processes   | DE      | Prof. Grabe        | B-5  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Baustatik und Baudynamik / Statics and Dynamics of Structures  | DE      | Prof. Starossek    | B-4  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Boundary-Elemente-Methoden / Boundary Element Methods  | EN      | Prof. von Estorff  | M-16 | WP | GM | 6 | J                                   | KL  | N | MT   | 20 |
| 2 | Hafenbau und Hafenplanung / Harbour Engineering and Harbour Planning   | DE      | Prof. Fröhle       | B-10 | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Küstenwasserbau II / Coastal Hydraulic Engineering II  | DE      | Prof. Fröhle       | B-10 | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Modellieren im Wasserbau / Modelling of Hydraulic Engineering  | DE / EN | Prof. Fröhle       | B-10 | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Modellierung in der Wasserwirtschaft / Modeling in Water Management  | DE / EN | NN                 | B-2  | WP | GM | 6 | J                                   | MP  |   |      |    |
| 2 | Projekt des Stahlbaus / Steel Construction Project   | DE      | Prof. Rutner       | B-4  | WP | GM | 6 | J                                   | SA  |   |      |    |
| 2 | Spann- und Massivbrückenbau / Design of Prestressed Structures and Concrete Bridges                            | DE      | Prof. Rombach      | B-7  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 2 | Städtisches Umweltmanagement / Urban Environmental Management  | EN      | Dr. Rechtenbach    | B-2  | WP | GM | 6 | J                                   | SA  |   |      |    |
| 2 | Stadtplanung / City Planning   | DE      | Prof. Gertz        | W-8  | WP | GM | 6 | J                                   | SA  |   |      |    |
| 2 | Stromerzeugung aus Wind- und Wasserkraft / Electricity Generation from Wind and Hydro Power                    | DE      | Dr. Geth           | V-9  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Studienarbeit Tiefbau / Study Work Foundation Engineering  |         | Dozenten des SD B  | B-5  | P  | GM | 6 | J                                   | STA |   |      |    |
| 3 | Abfallbehandlungstechnologien / Waste Treatment Technologies   | DE / EN | Prof. Kuchta       | V-9  | WP | GM | 6 | J                                   | RE  | J | FFST | 0  |
| 3 | Ausgewählte Themen der Baustatik / Structural Analysis - Selected Topics                                       | DE      | Prof. Starossek    | B-4  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Ausgewählte Themen des Bauingenieurwesens / Selected Topics in Civil Engineering                               | DE / EN | Prof. Starossek    | B-4  | WP | OM | 6 | Auswahl aus unten stehendem Katalog |     |   |      |    |
| 3 | Betontragwerke / Concrete Structures   | DE      | Prof. Rombach      | B-7  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Computerbasierte Berechnung von Betontragwerken / Computational Analysis of Concrete Structures                | DE      | Prof. Rombach      | B-7  | WP | GM | 6 | J                                   | MP  |   |      |    |
| 3 | Gewässerschutz / Water Protection  | EN      | Prof. Otterpohl    | B-2  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Grundwasser / Groundwater  | DE      | NN                 | B-11 | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Integrierte Verkehrsplanung / Integrated Transportation Planning   | DE      | Prof. Gertz        | W-8  | WP | GM | 6 | J                                   | SA  |   |      |    |
| 3 | Materialprüfung, Bauzustands- und Schadensanalyse / Examination of Materials, Structural Condition and Damages | DE      | Prof. Schmidt-Döhl | B-3  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Stahl- und Verbundtragwerke / Steel and Composite Structures   | DE      | Prof. Rutner       | B-4  | WP | GM | 6 | J                                   | KL  |   |      |    |
| 3 | Tiefbaurecht und Projekte / Excavation Law and Projects  | DE      | Prof. Grabe        | B-5  | WP | GM | 6 | J                                   | MP  |   |      |    |
| 3 | Wasserressourcen und -versorgung / Water Resources and -Supply   | DE      | Prof. Ernst        | B-11 | WP | GM | 6 | J                                   | KL  |   |      |    |

### Vertiefung Tragwerke Pflichtbereich: 42 LP Wahlpflichtbereich: 24 LP

|   |  |    |               |     |   |    |   |   |    |   |      |   |
|---|--|----|---------------|-----|---|----|---|---|----|---|------|---|
| 1 | Betontragwerke / Concrete Structures   | DE | Prof. Rombach | B-7 | P | GM | 6 | J | KL |   |      |   |
| 1 | Spezialtiefbau und Bodenpraktikum / Advanced Foundation Engineering and Soil Laboratory Course | DE | Prof. Grabe   | B-5 | P | GM | 6 | J | KL | J | FFST | 0 |

| Empf. Sem. | Modulname (deutsch / englisch)   | Modul   |                     |          |          |           | Prüfung |                                     |                | Studienleistung |      |              |
|------------|--|---------|---------------------|----------|----------|-----------|---------|-------------------------------------|----------------|-----------------|------|--------------|
|            |  | Sprache | Modul verantwortung | Institut | P/WP (1) | GM/OM (2) | LP (4)  | Note                                | Prüfungsart(3) | Verpflichtend   | Art  | Bonus (in %) |
| 1          | Stahl- und Verbundtragwerke / Steel and Composite Structures   | DE      | Prof. Rutner        | B-4      | P        | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Baustatik und Baudynamik / Statics and Dynamics of Structures  | DE      | Prof. Starossek     | B-4      | P        | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Projekt des Stahlbaus / Steel Construction Project   | DE      | Prof. Rutner        | B-4      | P        | GM        | 6       | J                                   | SA             |                 |      |              |
| 2          | Spannbeton- und Massivbrückenbau / Design of Prestressed Structures and Concrete Bridges                       | DE      | Prof. Rombach       | B-7      | P        | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Abwassersysteme / Wastewater Systems   | DE / EN | Prof. Otterpohl     | B-2      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Baulogistik und Projektmanagement / Construction Logistics and Project Management                              | DE      | Prof. Flämig        | W-8      | WP       | GM        | 6       | J                                   | SA             |                 |      |              |
| 2          | Bauprozesse / Construction Processes   | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Baustoffe und Bauwerkserhaltung / Building Materials and Building Preservation                                 | DE      | Prof. Schmidt-Döhl  | B-3      | WP       | GM        | 6       | J                                   | KL             | J               | FFST | 20           |
| 2          | Bodenmechanik und -dynamik / Soil Mechanics and -Dynamics  | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J                                   | MP             | J               | FFST | 15           |
| 2          | Boundary-Elemente-Methoden / Boundary Element Methods  | EN      | Prof. von Estorff   | M-16     | WP       | GM        | 6       | J                                   | KL             | N               | MT   | 20           |
| 2          | Hafenbau und Hafenplanung / Harbour Engineering and Harbour Planning   | DE      | Prof. Fröhle        | B-10     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Küstenwasserbau II / Coastal Hydraulic Engineering II  | DE      | Prof. Fröhle        | B-10     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Marine Geotechnik und Numerik / Marine Geotechnics and Numerics  | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Modellieren im Wasserbau / Modelling of Hydraulic Engineering  | DE / EN | Prof. Fröhle        | B-10     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 2          | Modellierung in der Wasserwirtschaft / Modeling in Water Management  | DE / EN | NN                  | B-2      | WP       | GM        | 6       | J                                   | MP             |                 |      |              |
| 2          | Städtisches Umweltmanagement / Urban Environmental Management  | EN      | Dr. Rechtenbach     | B-2      | WP       | GM        | 6       | J                                   | SA             |                 |      |              |
| 2          | Stadtplanung / City Planning   | DE      | Prof. Gertz         | W-8      | WP       | GM        | 6       | J                                   | SA             |                 |      |              |
| 2          | Stromerzeugung aus Wind- und Wasserkraft / Electricity Generation from Wind and Hydro Power                    | DE      | Dr. Gerth           | V-9      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Studienarbeit Tragwerke / Study Work Structural Engineering  |         | Dozenten des SD B   | B-7      | P        | GM        | 6       | J                                   | STA            |                 |      |              |
| 3          | Abfallbehandlungstechnologien / Waste Treatment Technologies   | DE / EN | Prof. Kuchta        | V-9      | WP       | GM        | 6       | J                                   | RE             | J               | FFST | 0            |
| 3          | Ausgewählte Themen der Baustatik / Structural Analysis - Selected Topics                                       | DE      | Prof. Starossek     | B-4      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Ausgewählte Themen des Bauingenieurwesens / Selected Topics in Civil Engineering                               | DE / EN | Prof. Starossek     | B-4      | WP       | OM        | 6       | Auswahl aus unten stehendem Katalog |                |                 |      |              |
| 3          | Computerbasierte Berechnung von Betontragwerken / Computational Analysis of Concrete Structures                | DE      | Prof. Rombach       | B-7      | WP       | GM        | 6       | J                                   | MP             |                 |      |              |
| 3          | Gewässerschutz / Water Protection  | EN      | Prof. Otterpohl     | B-2      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Grundwasser / Groundwater  | DE      | NN                  | B-11     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Integrierte Verkehrsplanung / Integrated Transportation Planning   | DE      | Prof. Gertz         | W-8      | WP       | GM        | 6       | J                                   | SA             |                 |      |              |
| 3          | Konstruktionen im Grund- und Wasserbau / Structures in Foundation and Hydraulic Engineering                    | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Küstenwasserbau I / Coastal Hydraulic Engineering I  | DE      | Prof. Fröhle        | B-10     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Materialprüfung, Bauzustands- und Schadensanalyse / Examination of Materials, Structural Condition and Damages | DE      | Prof. Schmidt-Döhl  | B-3      | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Nichtlineare Strukturanalyse / Nonlinear Structural Analysis   | DE / EN | Prof. Düster        | M-10     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |
| 3          | Tiefbaurecht und Projekte / Excavation Law and Projects  | DE      | Prof. Grabe         | B-5      | WP       | GM        | 6       | J                                   | MP             |                 |      |              |
| 3          | Wasserressourcen und -versorgung / Water Resources and -Supply   | DE      | Prof. Ernst         | B-11     | WP       | GM        | 6       | J                                   | KL             |                 |      |              |

**Vertiefung Wasser und Verkehr** Pflichtbereich: 42 LP Wahlpflichtbereich: 24 LP

|   |  |         |                    |      |    |    |   |   |    |   |    |    |
|---|--|---------|--------------------|------|----|----|---|---|----|---|----|----|
| 1 | Integrierte Verkehrsplanung / Integrated Transportation Planning   | DE      | Prof. Gertz        | W-8  | P  | GM | 6 | J | SA |   |    |    |
| 1 | Kanalbau und Simulation / Construction and Simulation of Sewerage Systems                                      | EN      | Prof. Otterpohl    | B-2  | P  | GM | 6 | J | SA | N | RE | 20 |
| 1 | Wasserressourcen und -versorgung / Water Resources and -Supply   | DE      | Prof. Ernst        | B-11 | P  | GM | 6 | J | KL |   |    |    |
| 1 | Abwasserreinigung und Luftreinhaltung / Wastewater Treatment and Air Pollution Abatement                       | DE / EN | Dr. Hartge         | V-3  | WP | GM | 6 | J | KL |   |    |    |
| 1 | Biologie, Geologie und Chemie / Biology, Geology and Chemistry   | DE / EN | Dr. Rechtenbach    | B-2  | WP | GM | 6 | J | KL |   |    |    |
| 1 | Konstruktionen im Grund- und Wasserbau / Structures in Foundation and Hydraulic Engineering                    | DE      | Prof. Grabe        | B-5  | WP | GM | 6 | J | KL |   |    |    |
| 1 | Materialprüfung, Bauzustands- und Schadensanalyse / Examination of Materials, Structural Condition and Damages | DE      | Prof. Schmidt-Döhl | B-3  | WP | GM | 6 | J | KL |   |    |    |
| 1 | Umweltschutz und -management / Environmental Protection and Management   | EN      | Prof. Otterpohl    | B-2  | WP | GM | 6 | J | KL |   |    |    |
| 2 | Abwassersysteme / Wastewater Systems   | DE / EN | Prof. Otterpohl    | B-2  | P  | GM | 6 | J | KL |   |    |    |
| 2 | Management von Oberflächenwasser / Management of Surface Water   | DE / EN | Prof. Fröhle       | B-10 | P  | GM | 6 | J | KL |   |    |    |
| 2 | Verkehrsmodellierung / Transportation Modelling  | DE      | Prof. Gertz        | W-8  | P  | GM | 6 | J | SA |   |    |    |
| 2 | Abfallbehandlung und Feststoffverfahrenstechnik / Waste Treatment and Solid Matter Process Technology          | DE / EN | Prof. Kuchta       | V-9  | WP | GM | 6 | J | KL |   |    |    |
| 2 | Baulogistik und Projektmanagement / Construction Logistics and Project Management                              | DE      | Prof. Flämig       | W-8  | WP | GM | 6 | J | SA |   |    |    |
| 2 | Bauprozesse / Construction Processes   | DE      | Prof. Grabe        | B-5  | WP | GM | 6 | J | KL |   |    |    |

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|---|--|---------|----------------------|----------|----------|-----------|---------|-------------------------------------|----------------|---------------|-----------------|--------------|--|
|   |  | Sprache | Modul verantwortung  | Institut | P/WP (1) | GM/OM (2) | LP (4)  | Note                                | Prüfungsart(3) | Verpflichtend | Art             | Bonus (in %) |  |
| 2   | Baustatik und Baudynamik / Statics and Dynamics of Structures  | DE      | Prof. Starossek      | B-4      | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 2   | Baustoffe und Bauwerkserhaltung / Building Materials and Building Preservation   | DE      | Prof. Schmidt-Döhl   | B-3      | WP       | GM        | 6       | J                                   | KL             | J             | FFST            | 20           |  |
| 2   | Boden- und Grundwasserkontamination / Soil and Groundwater Contamination   | DE      | NN                   | B-11     | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 2   | Hydrologische Systeme / Hydrological Systems   | DE / EN | Prof. Fröhle         | B-10     | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 2   | Ingenieurgeochemie / Geochemical Engineering   | EN      | Dr. Gerth            | V-9      | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 2   | Modellierung in der Wasserwirtschaft / Modeling in Water Management  | DE / EN | NN                   | B-2      | WP       | GM        | 6       | J                                   | MP             |               |                 |              |  |
| 2   | Nexus Engineering - Wasser, Boden, Nahrung und Energie / Nexus Engineering - Water, Soil, Food and Energy  | EN      | Prof. Otterpohl      | B-2      | WP       | GM        | 6       | J                                   | FFA            |               |                 |              |  |
| 2   | Städtisches Umweltmanagement / Urban Environmental Management  | EN      | Dr. Rechtenbach      | B-2      | WP       | GM        | 6       | J                                   | SA             |               |                 |              |  |
| 2   | Stadtplanung / City Planning   | DE      | Prof. Gertz          | W-8      | WP       | GM        | 6       | J                                   | SA             |               |                 |              |  |
| 3   | Studienarbeit Wasser und Verkehr / Study work Water and Traffic  |         | Dozenten des SD B    | B-2      | P        | GM        | 6       | J                                   | STA            |               |                 |              |  |
| 3   | Abfallbehandlungstechnologien / Waste Treatment Technologies   | DE / EN | Prof. Kuchta         | V-9      | WP       | GM        | 6       | J                                   | RE             | J             | FFST            | 0            |  |
| 3   | Ausgewählte Themen des Bauingenieurwesens / Selected Topics in Civil Engineering   | DE / EN | Prof. Starossek      | B-4      | WP       | OM        | 6       | Auswahl aus unten stehendem Katalog |                |               |                 |              |  |
| 3   | Betontragwerke / Concrete Structures   | DE      | Prof. Rombach        | B-7      | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Computerbasierte Berechnung von Betontragwerken / Computational Analysis of Concrete Structures  | DE      | Prof. Rombach        | B-7      | WP       | GM        | 6       | J                                   | MP             |               |                 |              |  |
| 3   | Gewässerschutz / Water Protection  | EN      | Prof. Otterpohl      | B-2      | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Grundwasser / Groundwater  | DE      | NN                   | B-11     | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Ländliche Entwicklung und Ressourcen Orientierte Sanitärsysteme für verschiedene Klimate / Rural Development and Resources Oriented Sanitation for different Climate Zones | EN      | Prof. Otterpohl      | B-2      | WP       | GM        | 6       | J                                   | FFA            |               |                 |              |  |
| 3   | Membran Technologie / Membrane Technology  | EN      | Prof. Ernst          | B-11     | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Modellierung von Prozessen in der Wassertechnologie / Process Modeling in Water Technology   | DE / EN | Dr. Johannsen        | B-11     | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Siedlungswasserwirtschaftliches Praktikum / Practical Course in Water and Wastewater Technology  | DE / EN | Dr. Rechtenbach      | B-2      | WP       | GM        | 6       | J                                   | SA             |               |                 |              |  |
| 3   | Spezialtiefbau und Bodenpraktikum / Advanced Foundation Engineering and Soil Laboratory Course   | DE      | Prof. Grabe          | B-5      | WP       | GM        | 6       | J                                   | KL             | J             | FFST            | 0            |  |
| 3   | Spezielle Aspekte des Abfallressourcenmanagements / Special Aspects of Waste Resource Management   | EN      | Prof. Kuchta         | V-9      | WP       | GM        | 6       | J                                   | RE             | J             | SA              | 20           |  |
| 3   | Stahl- und Verbundtragwerke / Steel and Composite Structures   | DE      | Prof. Rutner         | B-4      | WP       | GM        | 6       | J                                   | KL             |               |                 |              |  |
| 3   | Tiefbaurecht und Projekte / Excavation Law and Projects  | DE      | Prof. Grabe          | B-5      | WP       | GM        | 6       | J                                   | MP             |               |                 |              |  |
| <b>Abschlussarbeit</b> Pflichtbereich: 30 LP Wahlpflichtbereich: 0 LP |  |         |                      |          |          |           |         |                                     |                |               |                 |              |  |
| 4   | Masterarbeit / Master Thesis   |         | Professoren der TUHH | 0-TUHH   | P        | GM        | 30      | J                                   | AB             |               |                 |              |  |

## Ausgewählte Themen des Bauingenieurwesens

| Veranstaltungsname (deutsch / englisch)   | Lehrveranstaltung |             |         |      | Prüfung |      |                |  | Zusatzinformation |
|---|-------------------|-------------|---------|------|---------|------|----------------|--|-------------------|
|   | Form (5)          | Sprache (6) | SWS (7) | Sem. | LP (4)  | Note | Prüfungsart(3) |  |                   |
| Berechnung von Offshore-Tragwerken / Analysis of Offshore Structures                      | VL                | DE/EN       | 1       | SoSe | 1       | N    | MP             |  |                   |
| Entwurf und Konstruktion von Betontragwerken / Design of Concrete Structures              | VL                | DE          | 2       | WiSe | 2       | N    | MP             |  |                   |
| Fertigteiltbau / Design of Prefabricated Concrete Structures                              | VL                | DE          | 1       | WiSe | 1       | N    | KL             |  |                   |
| Fertigteiltbau / Design of Prefabricated Concrete Structures                              | HÜ                | DE          | 1       | WiSe | 1       | N    | KL             |  |                   |
| Forum I - Geotechnik und Baubetrieb / Forum I - Geotechnics and Construction Management   | SE                | DE          | 1       | WiSe | 1       | N    | MP             |  |                   |
| Forum II - Geotechnik und Baubetrieb / Forum II - Geotechnics and Construction Management | SE                | DE          | 1       | SoSe | 1       | N    | MP             |  |                   |
| Holzbau / Timber Structures   | SE                | DE          | 2       | WiSe | 2       | N    | RE             |  |                   |
| Konstruktiver Glasbau / Glass Structures  | VL                | DE          | 2       | WiSe | 2       | N    | KL             |  |                   |
| Konstruktiver Glasbau / Glass Structures  | HÜ                | DE          | 1       | WiSe | 1       | N    | KL             |  |                   |
| Technik der Windenergieanlagen / Wind turbine design                                      | VL                | DE          | 1       | SoSe | 1       | N    | MP             |  |                   |

### Legende:

<sup>1</sup>P=Pflicht, WP=Wahlpflicht

<sup>2</sup>GM=Geschlossenes Modul, OM=Offenes Modul

<sup>3</sup>KL=Klausur, MT=Midterm, SA=Schriftliche Ausarbeitung, FFA=Fachtheoretisch-fachpraktische Arbeit, FFST=Fachtheoretisch-fachpraktische Studienleistung, MP=Mündliche Prüfung, RE=Referat, STA=Studienarbeit, AB=Abschlussarbeit

<sup>4</sup>LP=Leistungspunkte

<sup>5</sup>VL=Vorlesung, SE=Seminar, UE=Gruppenübung, PBL=Projekt-/problembasierte Lehrveranstaltung, PR=Praktikum, PS=Projektseminar, HÜ=Hörsaalübung

<sup>6</sup>DE=Deutsch, EN=Englisch, DE/EN=Deutsch und Englisch

<sup>7</sup>SWS=Semesterwochenstunden