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| Module code (1.) | Module description (2.) | Category (3.) |
| MBI 1540 Stand: 06.10.2021 | Construction Economics and International Project Management | Int. Master |
| | Degree program (4.) | Sustainable Engineering of Infrastructure |
| | Faculty (5.) | Civil Engineering and Conservation / Restoration |

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| Module supervisor (6.) | Prof. Dr.-Ing. Joachim Ruß |
| Type of module (7.) | P (obligatory) |
| Frequency (8.) | Annually |
| Standard semester of study (9.) | 1st semester |
| Credits (ECTS) (10.) | 5 ETCS |
| Assessment (11.) | Written examination (90 minutes) |
| Language of instruction (12.) | English |
| Admission requirements (13.) | - |
| Module is a requirement for (14.) | - |
| Module duration (15.) | 1 semester |
| Mandatory registration (16.) | No |
| Applicability of module (17.) | Civil Engineering |

| Course (18.) | Lecturer (19.) | Type (20.) | No. of students (max.) (21.) | No. of courses per week (22.) | Contact hours per week (23.) | Workload | | |
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| | | | | | | Face-to-face (24.) | Self-study (25.) | |
| 1 Construction Economics and International Project Management | Prof. Dr. Ruß | Lecture / tutorial | 25 | 1 | 4 | 60 | 40 | |
| 2 Construction Economics and International Project Management | Prof. Dr. Ruß | Home assignment | 25 | | | 15 | 35 | |
| Total | | | | | | 4 | 75 | 75 |
| Workload for the module (26.) | | | | | | | 150 | |

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| Learning objectives (27.) | On successfully completing the module, students will understand the function and relevant tools for planning, managing and supervising a construction company or engineering office. In addition, they will be familiar with typical managerial tasks and be able to use the resources necessary to successfully carry out these duties. |
| Course contents (28.) | Business planning and management <ul style="list-style-type: none"> • basics of planning and decision-making • running a business • planning projects and jobs • personnel and investment planning |

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| | <ul style="list-style-type: none"> • marketing <p>Acquisition and order procurement</p> <ul style="list-style-type: none"> • order procurement strategies • risk analysis • calculation • business simulation <p>Financial accounting in construction companies or engineering firms</p> <p>supplement management</p> <ul style="list-style-type: none"> • recognizing, guaranteeing and preventing follow-up claims • calculation of supplement claims <p>Business simulation (home assignment)</p> |
| <p>Preliminary exam requirements and assessment</p> <p style="text-align: right;">(29.)</p> | <ul style="list-style-type: none"> • Final 90-minute examination • Assessment using grades 1-5 • Module grade is included in the overall grade in proportion to the number of credits earned |
| <p>Literature</p> <p style="text-align: right;">(30.)</p> | <ul style="list-style-type: none"> • National and international regulations • Literature recommended during the lectures |