

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

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	
						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					<b>4</b>	<b>75</b>	<b>75</b>
<b>Workload for the module (26.)</b>						<b>150</b>	

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"> <li>• basics of planning and decision-making</li> <li>• running a business</li> <li>• planning projects and jobs</li> <li>• personnel and investment planning</li> </ul>

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