

# Hochschule für Technik Stuttgart

## Study & Examination Regulations

### Master

International Project Management

(Building, Real Estate & Infrastructure)

- Parttime -

Stand: 31.07.2013

Based on § 8 section 5 in combination with § 34 section 1 of the Law on higher education and cooperative state universities in Baden-Württemberg (State University Act - LHG), the Senate of the University of Applied Sciences Stuttgart has agreed on the following study and examination regulations on August 1<sup>st</sup> 2012.

The approval by the Rector of the University took place on July 31st 2013.

§ 31a Master Programme International Project Management (Building, Real Estate & Infrastructure) - IPM (Fulltime)

(1) Standard period of study

The standard period of study is 5 semester.

(2) Assignment of modules and language of instruction

The assignment of the modules for each semester and the associated examinations are shown in Table 1a. The courses and related examinations are usually conducted in English. The master thesis must be written in English. This thesis is presented in English in a 20-minute presentation.

(3) Specializations

Every student must choose one of the two specializations; this specialization cannot be changed throughout the study period. Only the electives that are taught in that area can be elected.

In table 1b and 1c the list of courses in each specialization can be found.

Specialization IBPM= International Building Project Management

Specialization IITM= International Infrastructure Technology & Management

(4) Deadlines

The processing time for the master's thesis is 18 weeks.

Pre-requisite for writing the master thesis is the successful completion of 55 credit points from Modules 1-8.

(5) Assignment of modules, kind of examination marks, final grade

In Table 1a, the module tests and the individual examinations are set.

The final grade will be calculated from the individual module marks, which are weighted according to the Credit Points set in Table 1a. The grade will be calculated from the individual teaching units that are weighted according to the Credit Points established in the curriculum.

Tabelle 1a: Studienplan und geforderte Prüfungsleistungen

Semester 1	Abr.	SWS	CP	Examination
<b>Modul 2</b> Management Basics Compulsory Subject (IBPM and IITM)	MB	7	9	ASG, WEX 90
<b>Modul 3</b> Effective People Management Compulsory Subject (IBPM and IITM)	EP	6	6	ASG
Sum Semester 1		13	15	

Semester 2	Abr.	SWS	CP	Examination
<b>Modul 6</b> Managing Business & Finance Compulsory Subject (IBPM and IITM) Compulsory optional subject (IBPM and IITM)	MF	2 4	3 4	ASG ASG, WEX 150
<b>Modul 8 a</b> International Workshops Compulsory Subject (IBPM and IITM) Compulsory optional subject (IBPM and IITM)	IW	2 2	3 2	ASG ASG
<b>Modul 8 b</b> International Workshops Compulsory Subject (IBPM) Compulsory Subject (IITM)	IW	3 3	4 4	ASG ASG
Sum Semester 2		13	16	
Semester 3				
<b>Modul 1</b> Technical Knowledge Compulsory Subject (IBPM) Compulsory Subject (IITM)	TK	6 6	7 7	ASG WEX 60, ASG
<b>Modul 4</b> Project Management Compulsory Subject (IBPM and IITM)	PM	8	8	
Sum Semester 3		14	15	
Semester 4				
<b>Modul 5</b> Managing Real Estate/ Infrastructure Compulsory Subject (IBPM) Compulsory Subject (IITM) Compulsory optional subject (IBPM and IITM)	MR	4 4 2	4 4 2	ASG WEX 60, ASG WEX 60, ASG
<b>Modul 7</b> Managing Information Compulsory Subject (IBPM and IITM) Compulsory Subject (IBPM) Compulsory Subject (IITM)	MI	3 2 2	5 3 3	

Sum Semester 4		11	14	
Semester 5				
<b>Modul 9</b>				
Master-Thesis in Engineering	MT	2	30	ASG
Total sum		53	90	

**Table 1b: List of classes IBPM (not all classes that are included in this list will be offered every semester)**

Classes and Modules, Specialization IBPM	CPs
<b>Modul 1 (Technical Knowledge)</b> <ul style="list-style-type: none"> <li>• Architecture for PM</li> <li>• Sustainable Urban Building Design</li> <li>• Construction Technology/ Construction Industry</li> </ul>	<b>7</b> 3 2 2
<b>Modul 2 (Management Basics)</b> <ul style="list-style-type: none"> <li>• Business Planning</li> <li>• Methods of Management in PM</li> <li>• PM Body of Knowledge</li> </ul>	<b>9</b> 3 3 3
<b>Modul 3 (Effective People Management)</b> <ul style="list-style-type: none"> <li>• Leadership and Communication</li> <li>• Intercultural Training</li> <li>• Presentation Skills</li> </ul>	<b>6</b> 2 2 2
<b>Modul 4 (Project Management)</b> <ul style="list-style-type: none"> <li>• Schedule Management</li> <li>• Construction Cost Management</li> <li>• Project Organization Methods</li> <li>• Quality Management</li> </ul>	<b>8</b> 2 2 2 2
<b>Modul 5 (Managing Real Estate/ Infrastructure)</b> <ul style="list-style-type: none"> <li>• Real Estate Management</li> <li>• Integrated Infrastructure Management&amp; Masterplanning</li> </ul> Compulsory optional subject (2 CPs required) <ul style="list-style-type: none"> <li>• Fundraising</li> <li>• Management Concepts</li> <li>• Project Development</li> </ul>	<b>6</b> 2 2  2 2 2

<b>Modul 6 (Managing Business &amp; Finance)</b> <ul style="list-style-type: none"> <li>• Financial Management</li> </ul>	<b>7</b>
<ul style="list-style-type: none"> <li>• Contractor's Business Strategies</li> <li>• Consultant's Business Strategies</li> <li>• Accounting</li> <li>• Investment &amp; Finance</li> <li>• Special Purpose Subject</li> </ul>	3 2 2 2 2
<b>Modul 7 (Managing Information)</b> <ul style="list-style-type: none"> <li>• Building Information Modeling</li> <li>• BIM Practical Examples</li> <li>• Information Technology Basics- use Cases PMT</li> </ul>	<b>8</b> 3 2 3
<b>Modul 8 a (International Workshops)</b> <ul style="list-style-type: none"> <li>• International Law</li> </ul>	<b>5</b> 3
Compulsory optional subject (2 CPs required) <ul style="list-style-type: none"> <li>• International Public Building Law</li> <li>• International Project Organization Models</li> </ul>	2 2
<b>Modul 8 b (International Workshops)</b> <ul style="list-style-type: none"> <li>• Case Study IBPM</li> </ul>	<b>4</b> 4
<b>Summary</b>	
<b>Semester 1</b>	<b>30</b>
<b>Semester 2</b>	<b>30</b>
<b>Semester 3</b>	<b>30</b>
<b>Total Sum</b>	<b>90</b>

Table 1c: List of classes IITM (not all classes that are included in this list will be offered every semester)

Classes and Modules, Specialization IITM	CPs
<b>Modul 1 (Technical Knowledge)</b> <ul style="list-style-type: none"> <li>• Energy Systems, Design &amp; Construction</li> <li>• Traffic Systems, Design&amp; Construction</li> <li>• Water, Waste and Recycling Systems, Design&amp; Construction</li> </ul>	<b>7</b> 3 2 2
<b>Modul 2 (Management Basics)</b> <ul style="list-style-type: none"> <li>• Business Planning</li> <li>• Methods of Management in PM</li> <li>• PM Body of Knowledge</li> </ul>	<b>9</b> 3 3 3
<b>Modul 3 (Effective People Management)</b> <ul style="list-style-type: none"> <li>• Leadership and Communication</li> <li>• Intercultural Training</li> <li>• Presentation Skills</li> </ul>	<b>6</b> 2 2 2
<b>Modul 4 (Project Management)</b> <ul style="list-style-type: none"> <li>• Schedule Management</li> <li>• Construction Cost Management</li> <li>• Project Organization Methods</li> <li>• Quality Management</li> </ul>	<b>8</b> 2 2 2 2
<b>Modul 5 (Managing Real Estate/ Infrastructure)</b> <ul style="list-style-type: none"> <li>• Operations and Maintenance</li> <li>• Smart Grid Strategies</li> </ul> Compulsory optional subject (2 CPs required) <ul style="list-style-type: none"> <li>• Fundraising</li> <li>• Management Concepts</li> <li>• Project Development</li> </ul>	<b>6</b> 2 2 2 2 2
<b>Modul 6 (Managing Business &amp; Finance)</b> <ul style="list-style-type: none"> <li>• Financial Management</li> </ul> Compulsory optional subject (4 CPs required) <ul style="list-style-type: none"> <li>• Contractor's Business Strategies</li> <li>• Consultant's Business Strategies</li> <li>• Accounting</li> <li>• Investment &amp; Finance</li> <li>• Sonderfach</li> </ul>	<b>7</b> 3 2 2 2 2 2
<b>Modul 7 (Managing Information)</b> <ul style="list-style-type: none"> <li>• Building Information Modeling</li> <li>• BIM Practical Examples</li> <li>• Information Technology Basics- use Cases IMT</li> </ul>	<b>8</b> 3 2 3
<b>Modul 8 a (International Workshops)</b> <ul style="list-style-type: none"> <li>• International Law</li> </ul> Compulsory optional subject (2 CPs required) <ul style="list-style-type: none"> <li>• International Public Building Law</li> <li>• International Project Organization Models</li> </ul>	<b>5</b> 3 2 2

<b>Modul 8 b (International Workshops)</b> <ul style="list-style-type: none"><li>• Case Study IITM</li></ul>	<b>4</b> 4
Summary	
Semester 1	30
Semester 2	30
Semester 3	30
Total Sum	90
<b>Semester 1</b>	<b>15</b>
<b>Semester 2</b>	<b>16</b>
<b>Semester 3</b>	<b>15</b>
<b>Semester 4</b>	<b>14</b>
<b>Semester 5</b>	<b>30</b>
<b>Total sum</b>	<b>90</b>

The above amendments shall be in force starting with the winter semester 2012/2013.  
This is a translation of the German version.

Stuttgart, July 31<sup>st</sup> 2013

Prof. Rainer Franke  
Rektor

Announcement proof  
Notice put up on:  
Notice removed on:  
In force on:  
Authentication