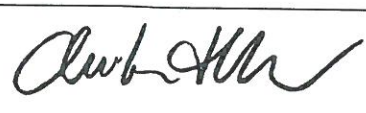



## ***DIPLOMA SUPPLEMENT***

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections be provided. Where information is not provided, an explanation should give the reason why.

<b>1</b>	<b>INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION</b>	
<b>1.1</b>	Family name(s)	[REDACTED]
<b>1.2</b>	Given name(s)	[REDACTED]
<b>1.3</b>	Date of birth (DDMMYYYY)	[REDACTED]

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED														
4.1	Mode of study	extra occupational Master`s degree programme												
4.2	Programme requirements	Compliance of the program duration to the curriculum and the examination regulations. See appendix 2 Fact Sheet												
4.3	Programme details (courses, modules or units studied, individual grades obtained)	see separate documents: - Summary transcript												
4.4	Grading scheme, grade translation and grade distribution guidance	<table border="1"> <thead> <tr> <th>Austrian grading</th> <th>Assessment</th> </tr> </thead> <tbody> <tr> <td>„excellent“ (1)</td> <td>Outstanding performance</td> </tr> <tr> <td>„good“ (2)</td> <td>Above the average standard, but with some errors</td> </tr> <tr> <td>„satisfactory“ (3)</td> <td>Generally sound work with a number of notable errors</td> </tr> <tr> <td>„sufficient“ (4)</td> <td>Performance meets the minimum criteria</td> </tr> <tr> <td>„unsatisfactory“ (5)</td> <td>Substantial improvement necessary, requirement of further work</td> </tr> </tbody> </table>	Austrian grading	Assessment	„excellent“ (1)	Outstanding performance	„good“ (2)	Above the average standard, but with some errors	„satisfactory“ (3)	Generally sound work with a number of notable errors	„sufficient“ (4)	Performance meets the minimum criteria	„unsatisfactory“ (5)	Substantial improvement necessary, requirement of further work
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„sufficient“ (4)	Performance meets the minimum criteria													
„unsatisfactory“ (5)	Substantial improvement necessary, requirement of further work													
4.5	Overall classification of the qualification*)	The final examination of the study program is graded and passed with "Mit ausgezeichnetem Erfolg bestanden".												
5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION														
5.1	Access to further study	Further Doctorate`s degree program												
5.2	Professional status conferred	Access to academic professions according to...												

<b>6 ADDITIONAL INFORMATION</b>	
<b>6.1</b>	Additional information
<b>6.2</b>	Further information sources
	obligatory, integrated international Week <a href="http://www.fh-kufstein.ac.at">http://www.fh-kufstein.ac.at</a> <a href="http://www.bmbwk.gv.at">http://www.bmbwk.gv.at</a> <a href="http://www.aq.ac.at">http://www.aq.ac.at</a>
<b>7 CERTIFICATION OF THE SUPPLEMENT</b>	
<b>7.1</b>	Date
	22 September 2012
<b>7.2</b>	Signature
	  Dipl.-Ing. (Univ.) Christian Huber
<b>7.3</b>	Official post of the certifying individual
	Director of Studies for Facility- & Real Estate Management
<b>7.4</b>	Official stamp of the institution
	
<b>8 Information on the Austrian higher education system (see appendix)</b>	

\*) in original language (German)



# Appendix 1

## The system of Austrian higher education

As of 07 November 2011

### Post-secondary Education in Austria

- The Austrian post-secondary **university level sector** (*Hochschulsektor*) consists of
  - Public universities (*Universitäten*), maintained by the state;
  - private universities (*Privatuniversitäten*), operated by private organisations with state accreditation;
  - maintainers of university of applied sciences degree programmes (*Fachhochschul-Studiengänge*) incorporated upon the basis of private or public law and subsidised by the state, with state accreditation (some of which are entitled to use the designation *Fachhochschule*);
  - university colleges of education (*Pädagogische Hochschulen*) maintained by the state or operated by private organisations with state accreditation;
  - the Institute of Science and Technology Austria;
  - universities of philosophy and theology (*Philosophisch-Theologische Hochschulen*), operated by the Roman Catholic Church.
- The non-university post-secondary sector (außeruniversitärer postsekundärer Sektor) consists of
  - academies for midwifery (Hebammenakademien);
  - clinical technical academies (Medizinisch-Technische Akademien);
  - military academies (Militärische Akademien);
  - the school of international studies (Diplomatische Akademie);
  - certain training institutions for psychotherapists (Psychotherapeutische Ausbildungseinrichtungen);
  - conservatories (Konservatorien).

The following text addresses exclusively the university level sector.

### Overall Structure of University Level Higher Education

There are currently two different systems of degree programmes in Austria: an older system without reference to the Bologna process and a newer one with reference to it.

- Under the auspices of the **older system** of diploma degree programmes (*Diplomstudien*), the first degree awarded is the diploma degree (*Diplomgrad*). An Austrian higher secondary school leaving certificate or its equivalent is the general qualification necessary for enrolling in a diploma degree programme; conclusion of a diploma degree programme entitles degree holders to enrol in ... doctorate degree programmes. ... *DiplomIngenieur/in* is awarded by Austrian universities after a course of study consisting of 240 to 360 ECTS credits. Full degree titles are gender specific designations: *Magister* for men; *Magistra* for women. Degree titles also include a general description of the field of study in which they were obtained, e.g. *Magister philosophiae*. In the fields of engineering, the degree titles are *DiplomIngenieur/in*. Degrees awarded in medicine and dentistry are exceptions to the above. The first degrees awarded after the completion of these



degree programmes consisting of 360 ECTS credits are *Doctor medicinae universae* and *Doctor medicinae dentalis*, respectively.

Graduates of university of applied sciences programmes that consist of 240 to 300 ECTS credits are awarded, analogous to university studies, a university of applied science diploma degree (*Fachhochschul-Diplomgrad*) contingent upon discipline: either a *Diplom-Ingenieur/in (FH)* for fields of engineering or *Magister/Magistra (FH)* in other fields of study.

- The **new system** is based on the distinction between undergraduate and graduate studies. Upon completion of an undergraduate programme (*Bachelorstudium* at universities; *Fachhochschul-Bachelorstudiengang*; *Studiengang* at university colleges of education; 180 ECTS credits), a bachelor's degree (designation: „Bachelor of/in ...“ ) is awarded. Upon completion of a graduate programme (*Masterstudium* at universities comprising 120 ECTS credits or, respectively, *Fachhochschul-Masterstudiengang* comprising 60 to 120 ECTS credits), a master's degree (designation: „Master of/in ...“ ) is awarded. In the fields of engineering, the designation of the master's degree can also be „DiplomIngenieur/in“.

Recipients of these diploma degrees from the old system or a master's degrees from the new system (including the ones awarded in both cases by the universities of applied sciences) are entitled to enrol in doctoral degree programmes (*Doktoratsstudium*) at universities. A doctoral degree with the designation of either „Doktor/in“ or „Doctor of Philosophy“ (PhD) is awarded upon completion of a doctoral programme with a minimum duration of three years.

In addition to the degree programmes (*ordentliche Studien*) described above, there are non-degree programmes (*außerordentliche Studien*) consisting of certificate university programmes for further education (*Universitätslehrgänge*) and individual courses in scientific subjects, both at universities.

skilled workers may take a vocationally based examination acknowledged as equivalent to the higher secondary school leaving certificate (*Berufsreifeprüfung*). Admission to bachelor degree programmes in the arts is based on aptitude ascertained by admission examinations. Admission to university of applied sciences bachelor degree programmes may also take place upon the basis of previous vocational or technical experience and qualifications of applicants. In some fields of study (in particular university of applied sciences bachelor degree programmes and study programmes at university colleges of education) admission is based on a selective admission process.

Areas/Modules of study (*Fächer/Module*) are laid down in curricula. As a rule, two substantial bachelor's papers or projects (*Bachelorarbeiten*) must be completed in the process of completing degree programme requirements. University of applied sciences bachelor degree programmes and some bachelor degree programmes at universities include an internship or practical training. The programme can conclude with a bachelor's examination (*Bachelorprüfung*).

### **Master Degree Programme (*Masterstudium*)**

Admission to a master degree programme is granted on the basis of the successful completion of an Austrian bachelor degree programme (*Bachelorstudium*), or a comparable post-secondary degree acknowledged being its equivalent.

Areas/Modules of study (*Fächer/Module*) are laid down in curricula. A main emphasis is the composition of a master's thesis (*Masterarbeit*). This degree programme concludes with a master's examination (*Masterprüfung*). The approval of the master's thesis (*Masterarbeit*) is a prerequisite for admission to this examination.

At university colleges of education no master degree programmes are offered.

### **Doctoral Degree Programme (*Doktoratsstudium*)**

Admission to a doctoral degree programme at a university is granted on the basis of the successful completion of an Austrian diploma or master degree programme, or a comparable post-secondary degree acknowledged being their equivalents.

Contents and requirements of study are laid down in curricula. The focus lies with the drafting of a dissertation as the result of self-guided research performance. This degree programme concludes with the approval of the dissertation and with a comprehensive doctoral examination (*Rigorosum*) or a *defense*.

At universities of applied sciences and at university colleges of education no doctoral degree programmes are offered.

### **Evaluation of performance and grading system (Austrian grading scale)**

1 = excellent	90 % - 100 %	= Outstanding performance
2 = good	80 % - 89 %	= Above the average standard, but with some errors
3 = satisfactory	70 % - 79 %	= Generally sound work with a number of notable errors
4 = sufficient	60 % - 69 %	= Performance meets the minimum criteria
5 = unsatisfactory	< 60 %	=substantial improvement necessary, requirement of further work

Grades for general exams:	positiv:	„Bestanden“ in case of positive assessment; „Mit gutem Erfolg bestanden“ in case of performance significantly above average; „Mit ausgezeichnetem Erfolg bestanden“ in case of excellent performance
	negativ	„Nicht bestanden“ fail

Source: Federal Ministry of Science and Research  
Unit III/7 November 2011

# >> Facility & Real Estate Management

## MASTER, PART-TIME

Diploma Supplement Additional Sheet

### KEY LEARNING OUTCOMES

Graduates will be able:

- >> to develop and manage strategic concepts in the area of facility management as a conductance of strategic corporate management guidelines
- >> to force strategies for an optimised use of resources and capabilities within new buildings, conversion, reconstruction, re-development and refurbishment as a partner of building owner and architects, to realise them in planning process and design corresponding processes and operations of a business
- >> to develop strategic overall concepts for long-term real estate management and building operation in consideration of cost effectiveness, functionality, security and the different needs of the users and to control them.
- >> to develop sustainable maintenance concepts based on the business strategy in consideration of security and regulatory framework and risk analysis to optimize net operating results
- >> to show potentials, advise companies and manage the implementation in the area of energy, environmental and sustainable management
- >> to manage complex projects with the help of strong Leadership skills
- >> to identify, analyse and define business processes as well as to manage and control their implementation
- >> to implement and manage an overall security management
- >> to develop all facility services in a strategic way and to calculate the needs and to manage the fulfilment
- >> to generate real estate value

### REQUIREMENTS FOR DIPLOMA THESIS

Requires completion of the 120 ECTS credits in the master's degree program within the 4 semester length of the degree program.

The Diploma Thesis is written in the 4th semester.

It is necessary that each semester is passed with degrees from excellent to sufficient . An International week is compulsory. The final examination for the bachelor's degree programme consists of a committee examination before an examination board.



		SEMESTER				
		1	2	3	4	
		WHS ECTS	WHS ECTS	WHS ECTS	WHS ECTS	
<b>STRATEGIC MANAGEMENT</b>	Quality and Environment Management*	2	4			
	Selected Topics in Structural Engineering and Engineering Technology	2	4			
	Strategic Management & Business Management I, II	2	4	2	4	
	Information and Process Management I, II	2	4	2	4	
	Selected Legal Fields I, II	2	2	2	4	
<b>FACILITY MANAGEMENT***</b>	Vertragsmanagement & Konfliktbeseitigung		3	5		
	Strategic Facility Management		3	5		
	Life Cycle Management: LCC & LCA		2	4		
	Supplementary Consolidation - Real Estate Management		2	4		
	Engineering Methods			2	4	
	Safety & Security Management			3	6	
	Green Building & Certification (Leed, BREAM, DGNB)			2	4	
	Building Process Engineering			3	6	
Trends in Facility Management - Business Cases*				2	3	
<b>REAL ESTATE***</b>	Supplementary Consolidation - Facility Management		2	4		
	Real Estate Development		3	5		
	Valuation I, II		2	4	2	4
	Finance / RE Capital Markets I, II		3	5	2	4
	Regional Planning			2	4	
	Real Estate Law & Case studies			4	8	
	Trends in Real Estate Management - Business Cases*				2	3
<b>INTERN. COMP.</b>	International Week*				3	4
<b>SOCIAL COMP.</b>	English FIM*	2	4			
	Electives Social Skills (Negotiation, Mediation, Career Planning)* I, II			2	3	2
<b>PRACTICAL TRANSFER</b>	Supplementary Consolidation - Facility Management Basics	2	4			
	Supplementary Consolidation - Real Estate Basics	2	4			
	Practical Training: Integrative Case Study & Project Management			4	7	
	Applied Scientific Work				1	2
	Diploma Thesis				2	18
<b>WEEKLY HOURS PER SEMESTER</b>		16	16	16	10	
<b>ECTS CREDITS**</b>		30	30	30	30	

\* Lectures held in English

\*\* ECTS: European credit transfer system, amount of work for students per lecture



## Abschrift der Studiendaten

### Transcript of Records

VORNAME:

First Name:

NACHNAME:

Last Name:

GEBURTSDATUM:

DoB (dd.mm.yyyy)

PKZ:

Student ID:

### Sommersemester 2011 - 2. Semester

Lehrveranstaltung		US	SWS	SSS	ECTS	Prozent	Note
Course Title		TL	CHW	CHS		Percent	Grade
MS.5	Strategisches Management und Unernehmensführung II SE <i>Strategic Management &amp; Business Management II</i>	Deutsch German	2,00	30	4,00	100	1
MS.6	Ausgewählte Rechtsbereiche II VO <i>Selected Legal Fields II</i>	Deutsch German	2,00	30	4,00		ct
MS.7	Informations- & Prozessmanagement II ILV <i>Information and Process Management II</i>	Deutsch German	2,00	30	4,00	85	2
IM.2	Real Estate Development I LV <i>Real Estate Development</i>	Deutsch German	3,00	45	5,00	90	1
IM.3	Finance / RE Capital Markets ILV <i>Finance / RE Capital Markets</i>	Deutsch German	3,00	45	5,00	85	2
IM.4	Valuation I ILV <i>Valuation I</i>	Deutsch German	2,00	30	4,00	90	1
FM.6	Komplementärvertiefung - Facility Management ILV <i>Supplementary Consolidation - Facility Management</i>	Deutsch German	2,00	30	4,00	100	1

Summe ECTS: 30,00





UNIVERSITY OF APPLIED SCIENCES

~~Master - Studiengang für Facility- & Immobilienmanagement~~  
*Master - Studies for Facility and Real Estate Management*



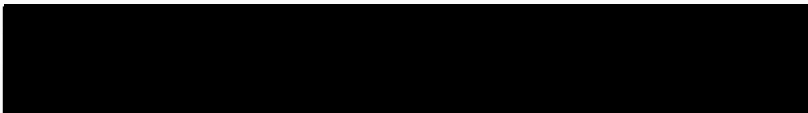
UNIVERSITY OF APPLIED SCIENCES

**Master - Studiengang für Facility- & Immobilienmanagement**

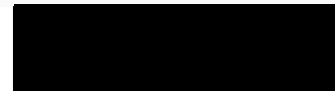
# Final Degree Certificate

## FH master degree program "Facility and Real Estate Management"

Pursuant to section 6 (1) of the federal Act on FH degree programmes (FHStG; Fachhochschule Studies Act, BGBl. No. 340/1993 as amended) and the notice of the Agency for quality Assurance and Accreditation Austria (AQ) of May 09, 2012



Born on:  
Student identification number:



### Thesis title

2020 – Gebäude Near Zero: Bedeutung für den geförderten Wohnbau in Tirol

### Final degree exam

Defence of Thesis  
Presentation and defence of thesis  
General Questions

### Grade

**excellent**

Grades: excellent; good; satisfactory; sufficient

Kufstein, September 22, 2012

  
Dipl.- Ing. (Univ.) Christian Juchacz  
Director of Studies

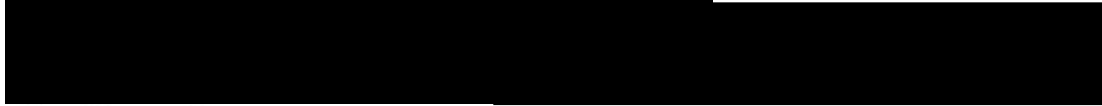
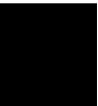




IA

# MASTER'S DIPLOMA

The Fachhochschulkollegium awards



citizen of Austria,  
student of the FH master degree program

NT"

**„FACILITY AND REAL ESTATE MANAGEMENT“**  
(program classification number 0346)

, 2012

who successfully passed the examination on September 12, 2012  
at the Fachhochschule Kufstein Tirol Bildungs GmbH

HStG: Fachhochschule

pursuant to section 6 (1) of the Federal Act on FH degree programmes (FHStG)

