

## Study regulations of the FH Bachelor Degree

### **Facility & Real Estate Management**

To obtain the academic degree

Bachelor of Arts in Business,  
abbreviated B.A.

as an appendix to the statutes of the FH Kufstein Tirol

**Organizational form:** Full-time and part-time

**Duration:** 6 Semesters

**Scope:** 180 ECTS

**Places for beginners per academic year:** 30 full-time  
25 part-time

## Table of Contents

<b>1</b>	<b>Job profiles</b> .....	<b>3</b>
1.1	<i>Occupational fields</i> .....	3
1.2	<i>Qualification profile</i> .....	5
<b>2</b>	<b>Curriculum</b> .....	<b>11</b>
2.1	<i>Curriculum Data</i> .....	11
2.2	<i>Curriculum matrix</i> .....	12
2.2.1	Curriculum matrix full-time.....	12
2.2.2	Curriculum matrix part-time .....	15
2.3	<i>Modularization</i> .....	18
2.3.1	Full-time module descriptions.....	18
2.3.2	Module descriptions Part-time .....	51
2.4	<i>Internship</i> .....	82
2.5	<i>Semester Abroad</i> .....	82
<b>3</b>	<b>Admission requirements</b> .....	<b>84</b>

**With the amendment to the University Act 2020, the so-called "University of Applied Sciences Studies Act (FHStG)" has been renamed "University of Applied Sciences Act (FHG)". Accordingly, a necessary editorial adjustment was made in this document on January 13th, 2021 and the name FHStG was replaced by FHG.**

# 1 JOB PROFILES

## 1.1 Occupational fields

There are a number of areas of application and fields of activity for graduates of the Bachelor degree course in operational facility and real estate management. The scope and complexity of the activities require the integration of methods and instruments from very different fields of knowledge (e.g. Real Estate Business, facility management, engineering sciences, law, economics, social skills, foreign languages, information and communication sciences). The field of activity consists of all decision-preparing and executive activities that deal with the planning, implementation, organization, control, monitoring, procurement and management as well as utilization of object-related infrastructures. The interdisciplinary design of this qualification profile enables students to operate successfully in the corresponding fields of activity.

The following fields of activity describe possible fields of application, which are based on the life cycle of a property and the resulting operational and practical requirements.

### **New construction, conversion and renovation planning:**

The graduates are entrusted with the subject-specific preparation of decisions and, above all, with the implementation of decisions that have been made. In this area, they are in particular demand by consulting firms, architectural and engineering offices, general planners and construction companies, the public sector and building owners. In contrast to the original project development activity, the perspective of the user is placed in the foreground here.

### **Space management:**

The graduates contribute substantially to the analysis and optimization of the operational sequences and processes through appropriate space concepts, organization and reorganizations. Ergonomics and workplace design are of great importance. They are primarily employed by companies with a predominant portfolio of office and commercial properties. In addition to simple concepts, they are particularly involved in the implementation and monitoring of such concepts.

### **Real estate management and building operation:**

Among the tasks of real estate and facility management at individual property level are real estate management (building management) including contract management and performance measurement. In this context, the classic management activity of a property manager of residential and commercial properties is of particular importance. The operational facility and real estate manager implements the concept of building operation, taking into account aspects of economy, functionality, security and the requirements of different users. Among other things, the analysis of potential savings plays an important role. Facility & real estate management is particularly important for companies that place high demands on their technical facilities (e.g. hospitals, clinics, nursing homes, museums, art galleries, industrial companies).

### **Maintenance:**

The integration of economic and technical training content enables the facility and real estate manager to plan and coordinate inspection, maintenance and repair. As a result, they play an important role both in service companies in this area and in companies in which the maintenance concept is applied.

### **Facility services:**

The graduates are responsible in companies for the implementation of the given decisions in the area of facility services. They perform this task for external service providers as well as in the internal corporate function. In addition, they are able to critically reflect on the existing scope and need of services, develop proposals as a basis for new decisions and, if necessary, organize and adapt them.

**Sustainability management:**

Sustainability management in real estate is becoming increasingly important, particularly due to the high savings potential. By taking a holistic life cycle approach, the facility and real estate manager can uncover these potentials and make them available to the company. In this function, they are important for consultants as well as for real estate management and facility management companies.

**Real estate project development and property development:**

Graduates are involved in the development of yield- and value-enhancing concepts for developed and undeveloped properties, usually taking into account different usage options. Fundamental market and location analyses as well as profitability calculations of individual construction measures are part of their fields of activity. In these areas, the operational facility and real estate manager is in demand at consulting firms, architectural and engineering offices, general planners and construction companies, the public sector, at the client end and especially at property developers and project developers. The focus here is mainly on simple, executive tasks at the operational level.

**Property valuation:**

Graduates are able to value individual properties of the classic types of use (without special properties), especially for marketing purposes. Furthermore, they are entrusted with the preparation of basic information for more extensive valuation projects.

**Marketing, utilization and leasing:**

The facility and real estate manager works at the individual property level within the framework of real estate brokerage and exploitation, i.e. real estate marketing. They support the revenue-optimized utilization of non-essential real estate or the sale of property development measures as well as the sales activities of a real estate agency. The graduates also cover the operative area of real estate leasing.

**Employment opportunities for graduates in company classes:**

- Industrial companies
- Banks, insurance companies
- Municipal administration (municipality, state, federal government)
- Non-profit institutions and foundations
- Educational institutions such as schools, technical colleges, universities
- Consulting company focusing on the real estate sector
- Architectural and engineering offices, general planners, construction companies
- Management companies, real estate trustees such as brokers, administrators, property developers and project developers as well as other service providers in the real estate industry
- Housing companies, housing developers
- Service provider for facility services
- Service companies from various industries, e.g.:
  - Clinics, hospitals, nursing homes and old people's homes
  - Airports, airlines, railway stations, logistics centers
  - Shopping centers and adventure parks
  - Companies for event management
  - Utility and waste management companies
  - Technology, trade, science, innovation centers

- Television and radio stations
- Tourism enterprises
- Retail chains

### **Differentiation to the consecutive Master's degree Facility & Real Estate Management:**

While the graduates of the consecutive Master's degree in Facility & Real Estate Management are active in the management of the above-mentioned companies and thus develop concepts and strategies as well as take on tasks for the CEO Managing Director, the work area of the graduates of the Bachelor degree in Facility & Real Estate Management is in the operative processing of Facility and Real Estate Management tasks.

The Bachelor course takes this into account by imparting basic and core competencies oriented to the operative business areas. In addition, the students receive comprehensive complementary competences for their professional activities. In the Bachelor course, they acquire competences to formulate arguments and substantiate them professionally as well as to solve problems. They learn the ability to collect and interpret relevant data in order to support assessments and take into account relevant social, academic and ethical concerns. Students will learn how to communicate information, ideas, problems and solutions to both experts and laypersons. In the Bachelor course, they develop the learning strategies they need to continue their studies with maximum autonomy.

## **1.2 Qualification profile**

The qualification goals and learning outcomes of the Bachelor degree program Facility & Real Estate Management correspond both to the academic and vocational requirements and to the ISCED level 0788<sup>1</sup> International Standard (Classification of Education). The contents conveyed qualify the graduates for the professional fields of activity mentioned in the previous chapters.

The main focus of the course lies in the fundamental technical, economic and legal contexts of the industry as well as in imparting knowledge of quantitative and qualitative approaches in the field of academic methods for the implementation and application of business and academic problems, analyses and research work. In particular, methods and concepts that are generally necessary for solving problems in the real estate sector and in the facility sector are dealt with. This includes knowledge of real estate development and valuation, as well as facility services and building management. In addition, there are complementary skills in the modules Social Skills and Foreign Languages. The application of specialist knowledge and feedback from current practice and research takes place in the practical transfer module with practical projects and the professional internship. Integration and transfer from the field of research takes place within the framework of the module Scientific & Empirical Methods on the one hand and the two modules Practice Project I/II on the other. The following modules and courses are intended to achieve the core competencies in facility management and the real estate industry:

- Real Estate Investment & Financing
- Law for Facility & Real Estate Management
- Facility Services
- Property Valuation
- Building Management

---

<sup>1</sup> Example 4: A program consisting of 40% engineering (071), 30 % business (041) and 30 % languages (023) should be classified as 0788 ("Inter-disciplinary programs and qualifications involving engineering, manufacturing and construction") as no field predominates but 07 is the leading broad field. If engineering and business were equally important and greater than languages (e.g. 40 %, 40 % and 20%), the program would be classified as either 0788 or 0488 depending on which program, engineering (071) or business (041), is listed first in the program title (or, if not in the title, in the curriculum or syllabus).

- Real Estate Development

The core competences taught in the study course Facility & Real Estate Management are shown in the following table in connection with the job descriptions for which they appear necessary (black fields).

		Job profiles								
		New Construction, Conversion and Renovation Planning	Space Management	Real estate management and building operation	Maintenance	Facility Services	Sustainability management	Real estate project development and property development activities	Property Valuation	Marketing, Exploitation and Leasing
Modules / Core competences										
Real Estate Investment & Financing										
Law for Facility & Real Estate Management										
Facility Services										
Property Valuation										
Building Management										
Real Estate Development										

The following table shows the respective occupational fields of activity and their defined tasks as well as the associated competences. The corresponding modules are assigned to the listed competences.

### Competence descriptions according to occupational fields of activity

Occupational field of activity	Task	Competence description	Competence allocation	Curriculum/modules
<b>New Construction, Conversion and Renovation Planning</b>	Preparation of decisions on construction projects	Can take measurements and make simple building designs	Professional-Academic Competencies/ Technology	Civil Engineering II
		Knowledge of structural requirements	Professional-Academic Competencies/ Technology	Civil Engineering II
		Can incorporate technical building requirements into a planned project	Professional-Academic Competencies/ Technology	Technical Building Facilities II
		Can apply methods of investment calculation and financing and their calculations	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing

<b>Space Management</b>	Analysis and optimization of workflows and processes	Know the processes of facility management and can analyze them	Professional-Academic Competencies/ Technology	Fundamentals of Facility Management
	Design and redesign of workplaces	Can analyze design types and rules	Professional-Academic Competencies/ Technology	Real Estate Development
		Can create occupancy plans and area concepts	Professional-Academic Competencies/ Technology	Facility Services
<b>Real estate management and building operation</b>	Tasks of building management	Can manage properties	Professional-Academic Competencies/ Technology	Building Management
	Tasks of the property management	Know the activities of the property management	Professional-Academic Competencies/ Technology	Building Management
	Analysis of optimization potentials	Understand technical requirements and work out solutions	Professional-Academic Competencies/ Technology	Technical Building Facilities II
		Can measure user satisfaction	Professional-Academic Competencies/ Technology	Fundamentals of Facility Management
		Can collect and evaluate key performance indicators for measuring performance	Professional-Academic Competencies/ Technology	Building Management
<b>Maintenance</b>	Maintenance measures	Understanding of maintenance (inspection, servicing and repair)	Professional-Academic Competencies/ Technology	Fundamentals of Facility Management
		Description of qualities and services	Professional-Academic Competencies/ Technology	Facility Services
	Planning and coordination of measures	Understanding of materials and designs	Professional-Academic Competencies/ Technology	Civil Engineering I
		Understanding of technical building equipment	Professional-Academic Competencies/ Technology	Building Services Engineering I
		Understanding maintenance strategies	Professional-Academic Competencies/ Technology	Facility Services
		Identifying legal areas of facility management	Professional-technical competences/ law	Law for Facility & Real Estate Management
<b>Facility Services</b>	Planning and coordination of services	Defining service quality levels	Professional-Academic Competencies/ Technology	Facility Services
	Occupancy planning	Analyzing use of space	Professional-Academic Competencies/ Technology	Facility Services
		Describing relocation processes	Professional-Academic Competencies/ Technology	Facility Services
	Cleaning planning	Calculating cleaning services	Professional-Academic Competencies/ Technology	Facility Services

	Optimization of energy consumption	Can create energy audits	Professional-Academic Competencies/ Technology	Facility Services
	Software as support	Know CAFM implementations	Professional-Academic Competencies/ Technology	Facility Services
<b>Sustainability management</b>	Energy use and energy saving	Can create technical solutions for buildings (heating, cooling and ventilation)	Professional-Academic Competencies/ Technology	Technical Building Facilities I
		Can create technical building solutions (sanitary and conveyor systems)	Professional-Academic Competencies/ Technology	Technical Building Facilities II
		Know the fundamentals of building physics	Professional-Academic Competencies/ Technology	Civil Engineering I
		Can check and evaluate component superstructures	Professional-Academic Competencies/ Technology	Civil Engineering II
	Lifecycle assessment	Knowledge of principles and effects of sustainability aspects	Professional-Academic Competencies/ Technology	Fundamentals of Facility Management
<b>Real estate project development and property development activities</b>	Preparation of development and feasibility studies	Know public law provisions of building law	Professional-Academic Competencies/ Technology	Real Estate Development
	Legal situation	Know legal regulations (in particular trade regulations, BTVG)	Professional-Academic Competencies/ Economics	Law for Facility & Real Estate Management
	Analysis of sites	Can carry out site analyses	Professional-Academic Competencies/ Technology	Real Estate Development
	Market analysis	Can carry out market analyses	Professional-Academic Competencies/ Economics	Fundamentals of Business Administration & Economics / Real Estate Development
	Creating utilization concepts and design variants	Can create typical designs and component superstructures	Professional-Academic Competencies/ Technology	Civil Engineering II
		Knows design typologies and can create concepts	Professional-Academic Competencies/ Technology	Real Estate Development
	Marketing measures	Know the tools of real estate marketing	Professional-Academic Competencies/ Economics	Fundamentals of Business Administration & Economics / Real Estate Development
	Carry out profitability calculations	Can understand and apply investment calculations	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing
		Know financing models	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing



		Can create profitability analyses	Professional-Academic Competencies/ Economics	Real Estate Development
	Development of overall concepts	Can prepare a feasibility study	personal and social skills	International Facility Management & Real Estate Development
<b>Property valuation</b>	Preparation of information	Know the documents and information regarding properties	Professional-Academic Competencies/ Economics	Fundamentals of the Real Estate Industry
	Valuation of real estate	Can understand and apply investment calculations	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing
		Knowledge of economic interrelationships	Professional-Academic Competencies/ Economics	Selected Topics Economics
		Know the real estate and capital market conditions	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing
		Can apply valuation techniques	Professional-Academic Competencies/ Economics	Property Valuation
<b>Marketing, Exploitation and Leasing</b>	Support in recycling	Understand the fundamentals of marketing	Professional-Academic Competencies/ Economics	Fundamentals of Business Administration & Economics
		Know the real estate and capital market conditions	Professional-Academic Competencies/ Economics	Real Estate Investment & Financing
	Sales activities	Know the tools of real estate marketing	Professional-Academic Competencies/ Economics	Fundamentals of Business Administration & Economics / Real Estate Development
	Property rental	Know the legal areas of the real estate industry	Professional-Academic Competencies/ Economics	Law for Facility & Real Estate Management

The following table shows, as before, the competences and their associated modules, but these tasks, like competences, extend beyond vocational activities and therefore concern all fields of activity.

**Competence descriptions for all occupational fields of activity**

		Knows problems and can independently develop solutions in a practical environment	personal and social skills	Practical Project I
	Project management	Understands problems and can independently develop solutions in the practical environment as well as in research and development	personal and social skills	Practical Project II
	Communicating results	Can use different forms of communication, presentations, etc.	personal and social skills	Social skills

<b>Concerns all professional fields of activity</b>		Can communicate in a professional environment	personal and social skills	Internship	
	Entrepreneurial thinking	Know the contexts of business management	Professional-Academic Competencies/ Economics	Introduction to Business Administration & Economics	
	Interdisciplinary work	Can work on projects in interdisciplinary and intercultural teams	Professional-Academic Competencies/ Economics	International Facility Management & Real Estate Development	
	Communicating internationally	Ability to communicate in an international environment	personal and social skills	Foreign language I+II+III	
	Practical application	Can apply acquired knowledge in practice	personal and social skills	Internship	
	Academic approach		Can research and prepare problem areas and findings	personal and social skills	Academic & Empirical Methods
			Know academic methods and their empirical investigations	personal and social skills	Selected Topics on Academic & Empirical Methods
			Can apply academic methods based on own empirical research.	personal and social skills	Bachelor Thesis

## 2 CURRICULUM

### 2.1 Curriculum Data

#### Curriculum data

(Depending on how the course of studies is organized, "FT" or "PT" or "FT"+"PT" must be filled out.)

	FT	PT	Comment if applicable
<b>First year of study</b> (YYY/YY+1)	2020/21	2020/21	
<b>Standard duration of study</b> (number of semesters)	6	6	
<b>Obligatory WSH</b> (Total number for all sem.)	65	86	In the FT program, a semester abroad with weekly semester hours of the respective partner universities takes place within the specified weekly semester hours.
<b>Course weeks per semester</b> (number of weeks)	15	15	
<b>Obligatory LVS</b> (Total for all sem.)	975	1.290	In the full-time program, a semester abroad with contact hours of the respective partner universities takes place within the specified weekly semester hours.
<b>Obligatory ECTS</b> (Total for all sem.)	180	180	
<b>WS start</b> (Date, comm.: poss. CW)	CW 40	CW 40	
<b>WS end</b> (Date, comm.: poss. CW)	CW 7	CW 7	
<b>SS start</b> (Date, comm.: poss. CW)	CW 10	CW 10	
<b>SS end</b> (Date, comm.: poss. CW)	CW 28	CW 28	
<b>WS weeks</b>	15	15	
<b>SS weeks</b>	15	15	
<b>Obligatory semester abroad</b> (semester specification)	3	-	
<b>Course language</b> (specify)	German/English Percentage of English-language teaching events 23.21%	German/English Percentage of English-language teaching events 22.73	The percentage of English-language courses amounts to at least 20% of the WSH
<b>Internship</b> (semester information, duration in weeks (at 40 h per week) per semester))	6th semester, 12 weeks	6th semester, 5 weeks	
<b>Resulting from the merging of the study programs or from the separation from the study program</b> (StgKz; to be specified only for merging or separation)			

## 2.2 Curriculum matrix

The following description of the courses does not include the work involved in supervising Bachelor theses. An expenditure of 0.2 WSH is planned for each supervised work, i.e. for 30 (ft) & 25 (pt) students an additional AWSH expenditure of 11 AWSH, which are incurred in the 6th semester. In total, an AWSH sum of 217.72 AWSH<sup>2</sup> is achieved over all 6 semesters.

Depending on the learning and teaching method, group divisions are necessary within the individual modules. Since these are usually not valid for the entire module, the curriculum matrix gives the mean value of the number of groups, weighted according to the ratio of learning and teaching methods with and without group divisions.

### 2.2.1 Curriculum matrix full-time

#### 1st semester

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
GFM	Fundamentals of Facility Management	ILV	X		30%	3.5	1	3.5	52.5	GFM	7
GIM	Fundamentals of the Real Estate Industry	ILV			30%	3.5	1	3.5	52.5	GIM	7
SPR.1	Foreign Language I	ILV			15 %	2	2	4	60	SPR.1	3
TEC.1	Civil Engineering I	ILV	X		30%	3	1.25	3.75	56.25	TEC.1	6
WIS.1	Academic & Empirical Methods	ILV			50 %	3.5	1.25	4.375	65.625	WIS.1	7
Total line:						15.5		19.125	286.87		30
LVS = Total WSH * LV weeks						232.5					

#### 2nd semester

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
ECO.1	Fundamentals of Business Administration & Economics (E)	ILV		X	30%	4	1	4	60	ECO.1	6
FIN	Real Estate Finance and Investment (E)	ILV		X	30%	3	1	3	45	FIN	6
REC	Law for Facility & Real Estate Management	ILV			30%	3	1	3	45	REC	6
SPR.2	Foreign Language II	ILV			15 %	4	2	8	120	SPR.2	5
TEC.2	Civil Engineering II	ILV	X		30%	3.5	1.5	5.25	78.75	TEC.2	7
Total line:						17.5		23.25	348.75		30
LVS = Total WSH * LV weeks						262.5					

<sup>2</sup> Results from 92.86 AWSH (FT) plus 113.86 AWSH (PT) plus 11 AWSH (supervision BA)

**3rd semester**

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
ECO.2	Selected Topics Business Administration	ILV			0 %	0	1	0	0	ECO.2	8
SOC	Selected Topics Social Competences & Presentation	ILV			0 %	0	1	0	0	SOC	7
VWL	Selected Topics Economics	ILV			0 %	0	1	0	0	VWL	10
WIS.2	Selected Topics on Academic & Empirical Methods	ILV			0 %	0	1	0	0	WIS.2	5
Total line:						0		0	0		30
LVS = Total WSH * LV weeks						0					

**4th semester**

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
DEV.1	Real Estate Development	ILV	X		30%	4.5	1.2	5.40	81.00	DEV.1	9
PRX.1	Practical Project I	ILV	X		15 %	3	2.33	6.99	104.85	PRX.1	6
SER	Facility Services	ILV	X		30%	2.5	1	2.5	37.5	SER	5
TEC.3	Technical Building Facilities I	ILV	X		30%	3	1.2	3.6	54.0	TEC.3	6
VAL	Property Valuation	ILV			30%	2	1	2	30	VAL	4
Total line:						15.0		20.49	307.35		30
LVS = Total WSH * LV weeks						225.0					

**5th semester**

Module no.	Module designation	Module type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
BEW	Real Estate Management	ILV	X		30%	2	1	2	30	BEW	4
DEV.2	International Facility Management & Real Estate Development - Project & International Week (E)	ILV	X	X	20 %	6	2	12	180	DEV.2	12
PRX.2	Practical Project II	ILV	X		0 %	2.5	2.6	6.50	97.50	PRX.2	5
SPR.3	Foreign Language III	ILV			15 %	3	2	6	90	SPR.3	4
TEC.4	Technical Building Facilities II	ILV	X		30%	2.5	1	2.5	37.5	TEC.4	5
Total line:						16.0		29.00	435.00		30
LVS = Total WSH * LV weeks						240.0					

<b>6th semester</b>
---------------------

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
PRX.3	Internship	BPR	X		100 %	0.5	1	0.5	7.5	PRX.3	20
WIS.3	Bachelor Thesis Seminar	ILV	X		50 %	0.5	1	0.5	7.5	WIS.3	10
Total line:						1.0		1.0	15.0		30
LVS = Total WSH * LV weeks						15.0					

### Summary of full-time curriculum data

Description	WSH	AWSH	ALVS	ECTS
Total number of courses over all semesters	65	92.86	1,392.98	180
Total number of courses in 1st year of study	33	42.38	635.62	60
Total number of courses in 2nd year of study	15	20.49	307.35	60
Total number of courses in 3rd year of study	17	30	450	60
Total number of technical events over all semesters	37			102
Percentage of technical courses over all semesters based on WSH / ECTS	56.92 %			56.67 %
Total number of courses in English over all semesters	13			24
Proportion of courses in English over all semesters based on WSH / ECTS	23.21 %			14.29 %
Proportion of eLearning units over all semesters based on WSH	26.92 %			31.67 %

## 2.2.2 Curriculum matrix part-time

### 1st semester

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
GFM	Fundamentals of Facility Management	ILV	X		30%	3.5	1	3.5	52.5	GFM	7
GIM	Fundamentals of the Real Estate Industry	ILV			30%	3.5	1	3.5	52.5	GIM	7
SPR.1	Foreign Language I	ILV			15 %	2	2	4	60	SPR.1	3
TEC.1	Civil Engineering I	ILV	X		30%	3	1.25	3.75	56.25	TEC.1	6
WIS.1	Academic & Empirical Methods	ILV			50 %	3.5	1.25	4.375	65.625	WIS.1	7
Total line:						15.5		19.125	286.87		30
LVS = Total WSH * LV weeks						232.5					

### 2nd semester

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
ECO.1	Fundamentals of Business Administration & Economics (E)	ILV		X	30%	4	1	4	60	ECO.1	6
FIN	Real Estate Financing & Investment	ILV			30%	3	1	3	45	FIN	6
REC	Law for Facility & Real Estate Management	ILV			30%	3	1	3	45	REC	6
SPR.2	Foreign Language II	ILV			15 %	4	2	8	120	SPR.2	5
TEC.2	Civil Engineering II	ILV	X		30%	3.5	1.5	5.25	78.75	TEC.2	7
Total line:						17.5		23.25	348.75		30
LVS = Total WSH * LV weeks						262.5					

### 3rd semester

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
ECO.2	Selected Topics Business Administration (E)	ILV		X	30%	4	1	4	60	ECO.2	8
SOC	Selected Topics Social Competences & Presentation	ILV			30%	3.5	1	3.5	52.5	SOC	7
VWL	Selected Topics Economics	ILV			30%	5	1	5	75	VWL	10
WIS.2	Selected Topics on Academic & Empirical Methods	ILV			30%	2.5	1	2.5	37.5	WIS.2	5
Total line:						15.0		15.0	225.0		30
LVS = Total WSH * LV weeks						225.0					

**4th semester**

Module no.	Module designation	Course type	T	E	eLV	WSH		No. of groups	AWSH	ALVS	MODULE	ECTS
DEV.1	Real Estate Development	ILV	X		30%	4.5		1.2	5.40	81.00	DEV.1	9
PRX.1	Practical Project I	ILV	X		15 %	3		2.33	6.99	104.85	PRX.1	6
SER	Facility Services	ILV	X		30%	2.5		1	2.5	37.5	SER	5
TEC.3	Technical Building Facilities I	ILV	X		30%	3		1.2	3.6	54.0	TEC.3	6
VAL	Property Valuation	ILV			30%	2		1	2	30	VAL	4
Total line:						15.0			20.49	307.35		30
LVS = Total WSH * LV weeks						225.0						

**5th semester**

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
BEW	Real Estate Management	ILV	X		30%	2	1	2	30	BEW	4
DEV.2	International Facility Management & Real Estate Development - Project & International Week (E)	ILV	X	X	20 %	6	2	12	180	DEV.2	12
PRX.2	Practical Project II	ILV	X		0 %	2.5	2.6	6.50	97.50	PRX.2	5
SPR.3	Foreign Language III	ILV			15 %	3	2	6	90	SPR.3	4
TEC.4	Technical Building Facilities II	ILV	X		30%	2.5	1	2.5	37.5	TEC.4	5
Total line:						16.0		29.00	435.00		30
LVS = Total WSH * LV weeks						240.0					

**6th semester**

Module no.	Module designation	Course type	T	E	eLV	WSH	No. of groups	AWSH	ALVS	MODULE	ECTS
DEV.3	International Facility Management & Real Estate Development - Practice, Research & Study Trip (E)	ILV	X	X	30%	3.5	1	3.5	52.5	DEV.3	6
PRX.3	Internship	BPR	X		70 %	3	1	3	45	PRX.3	14
WIS.3	Bachelor Thesis Seminar	ILV	X		50 %	0.5	1	0.5	7.5	WIS.3	10
Total line:						7.0		7.0	105.0		30
LVS = Total WSH * LV weeks						105.0					



Abbreviations	
eLV	E-learning proportion of course in percent
E	Lecture in English language
ECTS	ECTS – Credit points
LV	Course
LVS	Course hour(s)
WSH	Weekly semester hour(s)
T	Lecture with technical background

### Summary of part-time curriculum data

Description	WSH	AWSH	ALVS	ECTS
Total number of courses over all semesters	86	113.86	1,707.98	180
Total number of courses in 1st year of study	33	42.38	635.62	60
Total number of courses in 2nd year of study	30	35.49	532.35	60
Total number of courses in 3rd year of study	23	36	540	60
Total number of technical events over all semesters	43			102
Percentage of technical courses over all semesters based on WSH / ECTS	50 %			56.67 %
Total number of courses in English over all semesters	17.5			32
Proportion of courses in English over all semesters based on WSH / ECTS	22.73 %			19.05 %
Proportion of eLearning units over all semesters based on WSH	28.66 %			32 %

## 2.3 Modularization

### 2.3.1 Module descriptions full-time

Module number:	Fundamentals of Facility Management	Scope:	
		7	ECTS
GFM			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Krimmling, J., 2013. Facility Management. Strukturen und methodische Instrumente. 4th updated edition. Stuttgart: Fraunhofer IRB Verlag</li> <li>• Gondring, H. and T. Wagner, 2018. Facility Management: Handbuch für Studium und Praxis. 3rd completely revised edition. Munich: Vahlen</li> <li>• Nävy, J. and M. Schröter, 2013. Facility Services - Die operative Ebene des Facility Managements. Berlin: Springer Vieweg.</li> </ul>		
Skills acquisition	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• To present the development and history of facility management in an international context and to describe different international views of facility management.</li> <li>• To demonstrate the benefits of facility management and to demonstrate similarities and differences to disciplines such as Corporate Real Estate Management (CREM), real estate management and facility management.</li> <li>• To describe the management approach of facility management</li> <li>• To demonstrate the importance of users in facility management, to define user and customer satisfaction and to name various survey methods.</li> <li>• To define sustainability and describe sustainability aspects influenced by facility management</li> <li>• To explain exemplary processes and models in facility management</li> <li>• To identify essential standards in facility management and to explain their areas of application</li> <li>• To explain definitions of quality and to present requirements and tasks of quality management systems.</li> <li>• To describe a real estate benchmarking process and identify possible sources of error</li> </ul>		
Course contents	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• History of Facility Management in different countries</li> <li>• Definitions and meanings of Facility Management in an international context as well as similarities and differences to other disciplines</li> <li>• Models, processes and tasks in facility management</li> <li>• Terms like service level agreement, key performance indicator, facility management agreement, service</li> <li>• Normative framework in facility management</li> <li>• Definitions and measurement of customer and user satisfaction</li> <li>• Definition of quality and structure of a quality management system</li> <li>• The process of real estate benchmarking</li> <li>• Definition of sustainability and presentation of sustainability in facility management</li> </ul>		
Teaching and learning methods	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> Written exam		

Module number:	Fundamentals of the Real Estate Industry	Scope:	
GIM		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Malloth, T., et al., 2013. Immobilienmanagement Österreich. 5th edition. Vienna: ÖVI</li> <li>• Wendlinger, P., 2018. Immobilienkennzahlen. 2nd edition. Vienna: Linde.</li> <li>• Brauer, K., et al., 2019. Grundlagen der Immobilienwirtschaft. 10th edition. Wiesbaden: Gabler Verlag.</li> </ul>		
Skills acquisition	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize and understand real estate economic interrelationships</li> <li>• Record questions relating to the real estate industry</li> <li>• Understand the fundamentals of real estate economics including concepts and terms for subsequent in-depth courses and argue with real estate economics terminology</li> </ul>		
Course contents	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Players in the real estate industry</li> <li>• Documents and information about the property</li> <li>• Factors influencing the property</li> <li>• Terminology and key figures in the real estate industry</li> <li>• Fundamentals of legal relationships in the real estate industry (rights and standards)</li> <li>• Fundamentals of aspects specific to space and building regulations</li> </ul>		
Teaching and learning methods	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> Written exam		

Module number:	Foreign Language I	Scope:	
SPR.1		3	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	1st semester		
Level	1st semester: Introduction or consolidation		
Previous knowledge	<p>1st semester: French, Italian, Spanish Module with objective A2: no previous knowledge allowed Module with objective B2: Previous knowledge required</p> <p>Chinese, Russian Module with objective A2: no previous knowledge allowed</p> <p>English, German Module with objective B2: Level B1 (GER) or English advanced course required Module with objective C1: Level B2 (GER) require Module with objective C2: Level C1 (GER) required</p>		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u></p> <p>Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media</p>		
Skills acquisition	<p><u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u></p> <p>The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity.</p> <p>The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities:</p> <p>A1 - Beginner Can understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Can introduce him/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and can answer questions of this kind. Can communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p>A2 - Basic knowledge Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Can communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Can describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p>B1 - Advanced language use Can understand the main points when clear standard language is used and when it comes to familiar matters from work, school, leisure, etc. Can cope with most situations encountered when travelling in the area where the language is spoken. Can express himself/herself simply and coherently on familiar topics and personal areas of interest. Can report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p>B2 - Independent use of language Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p>C1 - Expert language skills Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in</p>		

	<p>education and studies. Can express oneself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p>C2 - Approximate mother-tongue knowledge Can easily understand practically anything he/she reads or hears. Can summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Can express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
--	--

<p>Course contents</p>	<p><u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u></p> <p>A1 - Beginner Understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Introduce himself/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and answer questions of this kind. Communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p>A2 - Basic knowledge Understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p>B1 - Advanced language use Use clear standard language and communicate on familiar matters from work, school, leisure, etc. Apply relevant conversation skills for travel in the area in which the language is spoken. Express himself/herself simply and coherently on familiar topics and personal areas of interest. Report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p>B2 - Independent use of language Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p>C1 - Expert language skills Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p>C2 - Approximate mother-tongue knowledge Effortless communication in all language situations. Summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
<p>Teaching and learning methods</p>	<p><u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> Blended Learning</p>
<p>Evaluation Methods Criteria</p>	<p><u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.</p>

<b>Module number:</b>	<b>Civil Engineering I</b>	<b>Scope:</b>	
<b>TEC.1</b>		<b>6</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Neroth, G. and D. Vollenschaar, 2011. Wendehorst Baustoffkunde: Grundlagen - Baustoffe – Oberflächenschutz. Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Backe, H., 2008. Baustoffkunde: Für Ausbildung und Praxis, 11th edition. Cologne: Werner Verlag.</li> <li>• Herrmann, H. and W. Krings, 2017. Kleine Baustatik: Grundlagen der Statik und Berechnung von Bauteilen, 18th edition. Wiesbaden: Springer Vieweg.</li> <li>• Lutz, P et. al., 2013. Lehrbuch der Bauphysik: Schall, Wärme, Feuchte, Licht, Brand, Klima. Wiesbaden: Springer Vieweg.</li> <li>• Pech, A. and C. Pöhn, 2018. Bauphysik Wärme – Feuchte – Schall – Brand. Basle: Birkhäuser.</li> </ul>		
Skills acquisition	<u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe the most important construction and materials as well as constructional concerns and compare their differences.</li> <li>• Classify construction materials and materials according to their physical properties</li> <li>• Identify and classify causes and avoidance of structural defects and damage to buildings</li> <li>• Understand the basic principles of structural mechanics</li> <li>• Understand basic building physics (heat, sound and humidity)</li> </ul>		
Course contents	<u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Basic knowledge and overview of common building materials for construction and finishing</li> <li>• Assessment and selection of building materials according to technical and economic characteristics</li> <li>• Basic knowledge of structural mechanics</li> <li>• Building physics (heat, sound and humidity)</li> <li>• Construction defects and structural damage with regard to cause and avoidance</li> </ul> <p>The module contains 25% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u> Blended Learning		
Evaluation Methods Criteria	<u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u> Written exam		

Module number:	Academic & Empirical Methods	Scope:	
WIS.1		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Heisen, M. R. and M. Theisen 2017. Wissenschaftliches Arbeiten: erfolgreich bei Bachelor- und Masterarbeit. Munich: Franz Vahlen</li> <li>• Fahrmeir, L., R. Künstler, I. Pigeot, I. and G. Tutz, 2012. Statistics: Der Weg zur Datenanalyse. 7th edition. Berlin: Springer</li> <li>• Fahrmeir, L., Kneib, T. &amp; Lang, S., 2009. Regression: Modelle, Methoden und Anwendungen. 2nd edition. Berlin: Springer</li> <li>• Hetland, M., 2005. Beginning Python From Novice to Professional. New York: Springer-Verlag</li> <li>• Ernesti, J. and P. Kaiser, 2012. Python 3 - Das umfassende Handbuch. 3rd edition. Bonn: Galileo Computing</li> <li>• Weitz, E. 2018. Konkrete Mathematik (nicht nur) für Informatiker. Mit vielen Grafiken und Algorithmen in Python. Wiesbaden: Springer</li> </ul>		
Skills acquisition	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply the fundamentals of academic work</li> <li>• Research, evaluate and quote specialist literature</li> <li>• Present and apply academic methods of literature analysis</li> <li>• Understand and apply concepts and methods of descriptive and explorative statistics</li> <li>• Independently analyze and structure data sets as well as present and critically evaluate information</li> </ul>		
Course contents	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Principles of academia and academic work             <ul style="list-style-type: none"> <li>o Science and academic language</li> <li>o Literature research</li> <li>o Citation and source work</li> <li>o Avoidance of plagiarism</li> </ul> </li> <li>• Principles of data analysis             <ul style="list-style-type: none"> <li>o Statistical characteristics and variables</li> <li>o Univariate and multivariate description and exploration of data</li> <li>o Correlation and regression analyses</li> <li>o Basic programming knowledge for data preparation</li> <li>o Analysis and presentation of information from data sets</li> </ul> </li> </ul> <p>The module contains 25% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> Term paper and written exam		



Module number:	Fundamentals of Business Administration & Economics	Scope:	
ECO.1		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester</u></p> <ul style="list-style-type: none"> <li>• Vahs, D. and J. Schäfer-Kunz, 2015. Einführung in die Betriebswirtschaftslehre. 7th edition. Stuttgart: Schäffer Poeschel.</li> <li>• Thommen, J.-P. et al., 2017. Allgemeine Betriebswirtschaftslehre: Umfassende Einführung aus managementorientierter Sicht. 8th edition. Wiesbaden: Springer Gabler.</li> <li>• Schweitzer, M. and A. Baumeister, 2015. Allgemeine Betriebswirtschaftslehre. 11th edition. Berlin: Erich Schmidt Verlag.</li> <li>• Hutzschenreuter, T., 2015. Allgemeine Betriebswirtschaftslehre. 6th edition. Wiesbaden: Springer Gabler.</li> <li>• Wöhe, G., U. Döring and G. Brösel, 2016. Einführung in die Allgemeine Betriebswirtschaftslehre, 26th edition Munich: Vahlen.</li> <li>• Weber, W., R. Kabst and M. Baum, 2018: Einführung in die Betriebswirtschaftslehre, 10th edition Wiesbaden: Springer Gabler.</li> <li>• Pindyck, R. S. and D. L. Rubinfeld, 2018. Mikroökonomie. Pearson Deutschland GmbH</li> <li>• Varian, H. R., 2014. Grundzüge der Mikroökonomik. Berlin: Walter de Gruyter GmbH &amp; Co KG.Deutschland GmbH.</li> <li>• Münter, M.T., 2018. Mikroökonomie, Wettbewerb und strategisches Verhalten. Stuttgart: UTB GmbH</li> <li>• Natrop, J., 2012. Grundzüge der angewandten Mikroökonomie. Berlin: Walter de Gruyter GmbH &amp; Co KG.Deutschland GmbH.</li> <li>• Kahneman, D., 2012. Schnelles Denken, langsames Denken. Munich: Siedler Verlag.</li> <li>• Rifkin, J., 2014. Die Null-Grenzkosten-Gesellschaft: Das Internet der Dinge, kollaboratives Gemeingut und der Rückzug des Kapitalismus. Frankfurt am Main: Campus Verlag.</li> <li>• Thiel, P., and B. Masters, 2014. Zero to one: Wie Innovation unsere Gesellschaft rettet. Frankfurt am Main: Campus Verlag.</li> <li>• Buchholz, L. and R. Gerhards, 2016. Internes Rechnungswesen, Kosten- und Leistungsrechnung, Betriebsstatistik und Planungsrechnung. Wiesbaden: Springer Gabler</li> <li>• Deimel, K. et al., 2017. Kostenrechnung, Das Lehrbuch für Bachelor, Master und Praktiker. Hallbergmoos: Pearson</li> <li>• Geirhofer, S. and C. Hebrank, 2016. Grundlagen Buchhaltung und Bilanzmanagement, 4th edition. Vienna: Linde Verlag.</li> <li>• Coenenberg, A.G. et. al., 2018. Einführung in das Rechnungswesen: Grundlagen der Buchführung und Bilanzierung, 7th edition Stuttgart: Schäffer Poeschel</li> <li>• Wedell, H. and A.A. Dilling, 2018. Grundlagen des Rechnungswesens, 16th edition Herne: NWB Studium</li> <li>• Breidenbach, K. and M. Währisch, 2017. Buchhaltung und Jahresabschluss, 4th edition. Berlin: De Gruyter Studium</li> <li>• Schmidt, M., B. Auer and P. Schmidt, 2012. Buchführung und Bilanzierung: Eine anwendungsorientierte Einführung. Wiesbaden: Springer Gabler</li> </ul>		
Skills acquisition	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Describe different business subareas</li> <li>• Explain the fundamentals of marketing</li> <li>• Explain the fundamentals of human resources management</li> <li>• Explain the structure of a company and typical operational processes and the basic constitutive factors of a company.</li> <li>• Recognize relationships in the sense of the various relationships between business functions</li> <li>• Clearly differentiate central business terms from each other</li> <li>• Explain the most important constitutional and functional corporate decisions.</li> <li>• Handle fundamental management problems from an economic point of view</li> <li>• Analyze decisions under uncertainty</li> <li>• Develop strategic decisions on the basis of economic models</li> <li>• Assess the impact of digital technologies and products on a company's cost structure and the formation of market forms</li> <li>• Explain the fundamentals of mapping business decisions in the accounting system.</li> </ul>		

- Explain basic concepts and subareas of accounting
- Understand the technique and internal structure of double-entry bookkeeping and

<p>Skills acquisition</p>	<p>assess the structure of an accounting system and the characteristics of different types of accounts</p> <ul style="list-style-type: none"> <li>• Make simple business postings to balance sheet and profit and loss accounts and create posting records</li> <li>• Identify the significant effects of business transactions on the balance sheet and income statement</li> <li>• Explain task fields and solution approaches of cost and revenue accounting with its sub-systems (cost element, cost center and cost unit accounting)</li> <li>• Distinguish between the terms deposits, disbursements, income, expenses and income</li> <li>• Explain the organizational structure of a cost accounting system and explain the main features of the main cost accounting systems</li> <li>• Explain the systems of cost accounting (partial and full cost accounting)</li> </ul>
<p>Course contents</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester</u></p> <ul style="list-style-type: none"> <li>• Overview and context analysis of the most important subareas in business administration</li> <li>• Subject and fundamentals of business administration:             <ul style="list-style-type: none"> <li>o Operational functional areas</li> <li>o Business decision theory</li> <li>o Fundamentals of management and ethics</li> <li>o Fundamentals of Human Resources and organization</li> <li>o Marketing fundamentals</li> </ul> </li> <li>• Fundamentals of business management:             <ul style="list-style-type: none"> <li>o Constitutive company decisions such as legal forms, location decisions, types of mergers and acquisitions and choice of business segment</li> <li>o Functional company decisions: Materials management, production management, marketing</li> </ul> </li> <li>• Fundamentals of business value creation processes and functions (value creation architecture and structure)</li> <li>• Fundamentals of market-, process- and strategy-oriented management</li> <li>• Microeconomics and the behavior of managers and companies</li> <li>• Price and product policy of companies</li> <li>• Elementary principles of game theory</li> <li>• Company organization</li> <li>• Market forms &amp; market entry</li> <li>• Decisions under uncertainty</li> <li>• Behavioral economics</li> <li>• Economy of digitization</li> <li>• External accounting:             <ul style="list-style-type: none"> <li>o Structure of the accounting system</li> <li>o Fundamentals of operational accounting: Tasks, sub-areas and basic concepts</li> <li>o Commercial accounting system: From inventory to opening balance sheet</li> <li>o Double-entry accounting system: Posting business cases to inventory and profit and loss accounts</li> <li>o Organization of bookkeeping (chart of accounts, sales tax, etc.)</li> <li>o Principle of period purity and accruals and deferrals</li> </ul> </li> <li>• Internal accounting:             <ul style="list-style-type: none"> <li>o Objectives and basic concepts of cost and revenue accounting</li> <li>o Fundamentals of cost and revenue accounting: Tasks, components and subareas</li> <li>o Structure of cost accounting (cost elements, cost centers, cost objects)</li> <li>o Contribution margin accounting</li> </ul> </li> </ul>
<p>Teaching and learning methods</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester</u></p> <p>Blended Learning</p>
<p>Evaluation Methods Criteria</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <p>Written exam</p>

Module number:	Real Estate Finance and Investment	Scope:	
FIN		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: Fundamentals of the Real Estate Industry (GIM), Academic & Empirical Methods (WIS.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Finance and Investment (E) /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Geyer, A., M. Hanke, E. Littich, M. Nettekoven, 2015. Grundlagen der Finanzierung, 5th edition. Vienna: Linde Verlag</li> <li>• Walch, P., K. Weichselbaum, 2018. Handbuch Immobilienfinanzierung. 2nd edition. Vienna: Linde Verlag.</li> <li>• Teufelsdorfer, H. et al., 2015. Handbuch Immobilientransaktionen. 2nd edition. Vienna: Linde Verlag.</li> </ul>		
Skills acquisition	<u>Real Estate Finance and Investment (E) /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize and understand financial mathematical correlations</li> <li>• Understand and apply investment and financing calculations</li> <li>• Recognize connections between the capital market and the real estate market</li> <li>• Understand and apply feasibility studies for real estate investments</li> </ul>		
Course contents	<u>Real Estate Finance and Investment (E) /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Fundamentals of financial mathematics</li> <li>• Static and dynamic investment calculations</li> <li>• Loan financing and equity financing</li> <li>• Real estate lending process</li> <li>• Real estate investment/real estate investment</li> <li>• Real estate market and capital market</li> </ul>		
Teaching and learning methods	<u>Real Estate Finance and Investment (E) /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Finance and Investment (E) /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> Written exam		

Module number:	Law for Facility & Real Estate Management	Scope:	
REC		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> <ul style="list-style-type: none"> <li>• Meissel, F., et al., 2016. Grundbegriffe der Rechtswissenschaften, 3rd edition. Vienna: Manz.</li> <li>• Artner, S., Kohlmaier, K., et al., 2017. Praxishandbuch Immobilienrecht. 2nd edition. Vienna: Linde.</li> <li>• Krumschnabel, M., 2015. Immobilienverträge. 1st edition. Kufstein: Eigenverlag</li> <li>• Najork, E., et al., 2009. Rechtshandbuch Facility Management. 1st edition. Berlin: Springer</li> <li>• Kaiser, C., Nusser, J. und f. Schrammel. 2018. Praxishandbuch Facility Management. 1st edition. Wiesbaden: Springer Vieweg.</li> </ul>		
Skills acquisition	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> The students are able to: <ul style="list-style-type: none"> <li>• Identify and classify legal areas and topics</li> <li>• Understand real estate law areas and their fundamentals, and grasp their legal aspects</li> <li>• Identify the specifics of the legal area of facility management</li> </ul>		
Course contents	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> <ul style="list-style-type: none"> <li>• Explanations of terms from the most important areas of law</li> <li>• Distinction between public law and private law</li> <li>• Applied basic knowledge of civil law</li> <li>• Real estate-specific legal areas (e.g. acquisition of property, MRG, WEG)</li> <li>• Contract law (including FM contracts, contracts for work and services, maintenance and repair contracts)</li> <li>• Fundamentals of public procurement law</li> </ul>		
Teaching and learning methods	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> Blended Learning		
Evaluation Methods Criteria	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> Written exam		

Module number:	Foreign Language II	Scope:	
		5	ECTS
SPR.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	2nd semester		
Level	2nd semester: Consolidation		
Previous knowledge	2nd semester: Foreign Language I		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media		
Skills acquisition	<u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity.  The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities:  A1 - Beginner Can understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Can introduce him/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and can answer questions of this kind. Can communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.  A2 - Basic knowledge Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Can communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Can describe with simple language his/her own background and education, immediate environment and things related to immediate needs.  B1 - Advanced language use Can understand the main points when clear standard language is used and when it comes to familiar matters from work, school, leisure, etc. Can cope with most situations encountered when travelling in the area where the language is spoken. Can express himself/herself simply and coherently on familiar topics and personal areas of interest. Can report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.  B2 - Independent use of language Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.  C1 - Expert language skills Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in education and studies. Can express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.  C2 - Approximate mother-tongue knowledge Can easily understand practically anything he/she reads or hears. Can summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Can express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.		

Course contents	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u></p> <p><b>A1 - Beginner</b> Understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Introduce himself/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and answer questions of this kind. Communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p><b>A2 - Basic knowledge</b> Understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p><b>B1 - Advanced language use</b> Use clear standard language and communicate on familiar matters from work, school, leisure, etc. Apply relevant conversation skills for travel in the area in which the language is spoken. Express himself/herself simply and coherently on familiar topics and personal areas of interest. Report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p><b>B2 - Independent use of language</b> Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p><b>C1 - Expert language skills</b> Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p><b>C2 - Approximate mother-tongue knowledge</b> Effortless communication in all language situations. Summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
Teaching and learning methods	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u></p> <p>Blended Learning</p>
Evaluation Methods Criteria	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u></p> <p>The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.</p>

<b>Module number:</b>	<b>Civil Engineering II</b>	<b>Scope:</b>	
<b>TEC.2</b>		<b>7</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction and consolidation		
Previous knowledge	2nd semester: Civil Engineering I (TEC.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Hestermann, U. and L. Rongen, 2009. Frick/Knöll Baukonstruktionslehre 1st Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Kister, J. et al., 2012. Bauentwurfslehre. Wiesbaden: Springer Vieweg.</li> <li>• Neumann, D., Hestermann, U. and L. Rongen, 2008. Frick/Knöll Baukonstruktionslehre 2nd Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Riccabona, C., 2008. Baukonstruktionslehre 1: Rohbauarbeiten. Vienna: Manz.</li> <li>• Riccabona, C. and K. Mezera, 2011. Baukonstruktionslehre 2: Ausbauarbeiten. Vienna: Manz.</li> <li>• Fröhler, R. and R. Mair, 2003. AutoCAD 2002 Grundlagen der 3D-Konstruktion. Munich, Vienna: Textbook publishing house Leipzig in the Carl Hanser Verlag</li> <li>• Frey, H. et al., 2015. Bautechnik Technisches Zeichnen. Haan-Gruiten: Verlag Europa-Lehrmittel</li> </ul>		
Skills acquisition	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Inspect component superstructures and assess them from a constructional point of view</li> <li>• Describe structural designs and relevant connection details and create them independently.</li> <li>• Understand construction drawings and communicate their characteristics</li> <li>• Create simple 2D &amp; 3D plans using CAD programs</li> </ul>		
Course contents	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Primary, secondary and tertiary structures</li> <li>• Solid, lightweight and system construction methods in shell and finish construction</li> <li>• Communication of the constructive interrelations and detailed solutions usually found in building construction (new construction and renovation)</li> <li>• Requirements (rules and standards) and contents of construction drawings (site plan, ground plans, sections, views and details)</li> <li>• Introduction to the functions of a CAD program and application</li> </ul> <p>The module contains 50% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> Term paper and written exam		



Module number:	Selected Topics Business Administration	Scope:	
		8	ECTS
ECO.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	3rd semester		
Level	3rd semester: Consolidation		
Previous knowledge	3rd semester: Introduction to Business Administration & Economics (ECO.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Selected Topics Business Administration /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. Depending on the teaching content of the semester abroad at the partner universities, correspondingly adapted specialist literature is required.</p> <p>As an example, this module is based on the following technical literature:</p> <ul style="list-style-type: none"> <li>• Kollmann, T., 2016. E-Entrepreneurship: Grundlagen der Unternehmensgründung in der digitalen Wirtschaft. Wiesbaden: Springer Gabler.</li> <li>• Moring, A., L. Maiwald and T. Kewitz, 2018. Bits und Bricks: Digitalisierung von Geschäftsmodellen in der Immobilienbranche. Wiesbaden: Springer Gabler.</li> <li>• Osterwalder, A. and Y. Pigneur, 2011. Business Model Generation: Ein Handbuch für Visionäre, Spielveränderer und Herausforderer. Frankfurt a.M.: Campus Verlag GmbH.</li> <li>• Plümer, T. and M. Niemann, 2016. Existenzgründung Schritt für Schritt. 2nd edition. Wiesbaden: Springer Gabler.</li> </ul>		
Skills acquisition	<p><u>Selected Topics Business Administration /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</u></p> <p>A generally valid description of the acquired competences for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning outcomes are based on the fundamentals and in-depth knowledge of the individual disciplines in the field of business administration. The national credits are converted individually into ECTS points corresponding to performance where appropriate.</p> <p>As an example, the students have acquired the following competences:</p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Explain the fundamentals of setting up a company</li> <li>• Apply the business plan creation process</li> <li>• Evaluate business plans</li> <li>• Explain economic trends and correlations or changes and assess the resulting new business models</li> <li>• Market a business model</li> </ul>		
Course contents	<p><u>Selected Topics Business Administration /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning contents are based on the fundamentals and in-depth knowledge of the individual disciplines in the field of business administration.</p> <p>As an example, this module has the following teaching contents:</p> <ul style="list-style-type: none"> <li>• Fundamentals of a company with a focus on digital business models</li> <li>• Components of a business plan and creation of one's own business plan</li> <li>• Business model analysis</li> <li>• Fundamentals of marketing business models</li> </ul>		
Teaching and learning methods	<p><u>Selected Topics Business Administration /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</u></p> <p>The respective partner university determines the teaching methods.</p>		
Evaluation Methods Criteria	<p><u>Selected Topics Business Administration /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</u></p> <p>Students are subject to the respective examination modalities of the partner university.</p>		

Module number:	Selected Topics Social Competences & Presentation	Scope:	
SOC		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. Depending on the teaching content of the semester abroad at the partner universities, correspondingly adapted specialist literature is required.</p> <p>As an example, this module is based on the following technical literature:</p> <ul style="list-style-type: none"> <li>• Rosenberg, M., 2012. Gewaltfreie Kommunikation. Paderborn: Junfermann</li> <li>• Becker, H. and A. Hugo-Becker, 1992. Psychologisches Konfliktmanagement. Munich: Beck.</li> <li>• Oboth, M., 2008. Mediation in Teams und Gruppen. Paderborn: Junfermann</li> </ul>		
Skills acquisition	<p><u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u></p> <p>A generally valid description of the acquired competences for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning outcomes are based on the fundamentals and in-depth knowledge of the individual disciplines in the area of social competences. The national credits are converted individually into ECTS points corresponding to performance where appropriate.</p> <p>As an example, the students have acquired the following competences:</p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Present basic concepts of communicative processes and consciously use content and relationship aspects of human communication.</li> <li>• Understand motivation and assessment of people in a professional context</li> <li>• Reflect a meaningful design of work and leisure time (work-life balance)</li> <li>• Facilitate communicative processes within the team and identify and analyze problems in team communication and develop solution strategies.</li> <li>• Prepare and conduct presentations and use the techniques and media required for them in a targeted manner</li> <li>• Create simple 3D visualizations</li> <li>• Create short videos to visualize ideas and concepts with simple tools</li> </ul>		
Course contents	<p><u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning contents are based on the fundamentals and in-depth knowledge of the individual disciplines in the area of social competences.</p> <p>As an example, this module has the following teaching contents:</p> <ul style="list-style-type: none"> <li>• Basic components of communicative processes, message and meaning as well as content and relationship aspects of human communication</li> <li>• Language, gestures, facial expressions, posture</li> <li>• Possibilities of communication for assessment and motivation</li> <li>• Communication in a team</li> <li>• Communication problems and conflict solutions</li> <li>• Goals and target group as well as structure, content and form of a presentation</li> <li>• Selection and application of different presentation techniques and media</li> <li>• Challenges of dislocated presentations</li> <li>• Goals and target group as well as content and form of 3D visualizations</li> <li>• Selection and application of tools for the creation of 3D visualizations</li> <li>• Objectives and target group as well as structure, content and form of short videos</li> <li>• Selection and application of simple techniques and tools for video creation</li> </ul>		
Teaching and learning methods	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u>		

	The respective partner university determines the teaching methods.
Evaluation Methods Criteria	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> Students are subject to the respective examination modalities of the partner university.

Module number:	Selected Topics Economics	Scope:	
VWL		10	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. Depending on the teaching content of the semester abroad at the partner universities, correspondingly adapted specialist literature is required.</p> <p>As an example, this module is based on the following technical literature:</p> <ul style="list-style-type: none"> <li>• Krugman, P., R., Wells, 2017. Volkswirtschaftslehre. 2nd edition. Munich: Schäffer Poeschel</li> <li>• Pirounakis, N., 2013. Real Estate Economics: A Point-to-Point Handbook. UK: Routledge.</li> <li>• Maier, G., F., Tödting, 2012. Regional- und Stadtökonomik 1: Standorttheorie und Raumstruktur. 5th edition. Vienna: Springer</li> <li>• Maier, G., F., Tödting, 2012. Regionalentwicklung und Regionalpolitik. 4th edition. Vienna: Springer</li> <li>• Rottke, N., M., Voigtländer, 2017. Immobilienwirtschaftslehre – Ökonomie. Wiesbaden: Gabler Verlag</li> </ul>		
Skills acquisition	<p><u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u></p> <p>A generally valid description of the acquired competences for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning outcomes are based on the fundamentals and in-depth knowledge of the individual disciplines in the field of economics. The national credits are converted individually into ECTS points corresponding to performance where appropriate.</p> <p>As an example, the students have acquired the following competences:</p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Describe and apply basic concepts and methods in economics</li> <li>• Critically evaluate and question methods and concepts in economics</li> <li>• Recognize and understand economic interrelations in the context of the real estate industry</li> </ul>		
Course contents	<p><u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning contents are based on the fundamentals and in-depth knowledge of the individual disciplines in the field of economics.</p> <p>As an example, this module has the following teaching contents:</p> <ul style="list-style-type: none"> <li>• Economic theory</li> <li>• Microeconomics</li> <li>• Macroeconomics</li> <li>• Econometrics</li> <li>• Regional economy</li> <li>• Real estate economics</li> <li>• Economic policy</li> <li>• Environmental economics</li> </ul>		
Teaching and learning methods	<p><u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u></p> <p>The respective partner university determines the teaching methods.</p>		
Evaluation Methods Criteria	<p><u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u></p> <p>Students are subject to the respective examination modalities of the partner university.</p>		

Module number:	Selected Topics on Academic & Empirical Methods	Scope:	
		5	ECTS
WIS.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: Academic and Empirical Methods (WIS.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u></p> <p>A generally valid description of the teaching content for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. Depending on the teaching content of the semester abroad at the partner universities, correspondingly adapted specialist literature is required.</p> <p>As an example, this module is based on the following technical literature:</p> <ul style="list-style-type: none"> <li>• Bortz, J. and N. Döring, 2006. Forschungsmethoden und Evaluation. Berlin: Springer</li> <li>• Flick, U., E. Kardorff and I. Steinke, 2007. Qualitative Forschung. Rowohlt's Enzyklopädie</li> <li>• Lamnek, S., 2010. Qualitative Sozialforschung. Berlin: Beltz</li> <li>• Przyborski, A. and M. Wohlrab-Sahr, 2010: Qualitative Sozialforschung. Munich: Oldenbourg</li> </ul>		
Skills acquisition	<p><u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u></p> <p>A generally valid description of the acquired competences for the semester abroad cannot and should not be defined due to the large number of partner universities and the choices they offer, in order to guarantee freedom for students. The learning outcomes are based on the fundamentals and in-depth knowledge of the individual disciplines in the field of academic and empirical methods. The national credits are converted individually into ECTS points corresponding to performance where appropriate.</p> <p>As an example, the students have acquired the following competences:</p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Describe and apply relevant quantitative and qualitative academic methods in the subject area</li> <li>• Select and independently apply tools and methods to support data collection and analysis.</li> <li>• Illustrate and critically reflect on results in a comprehensible way</li> </ul>		
Course contents	<p><u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u></p> <p>Due to the large number of partner universities and the choice of academic and empirical methods they offer, a generally valid description of the course content for the semester abroad cannot and should not be defined in order to guarantee students freedom of choice. The content of the courses is oriented towards the fundamentals and in-depth knowledge of the individual disciplines in the field of academic and empirical methods.</p> <p>As an example, this module has the following teaching contents:</p> <ul style="list-style-type: none"> <li>• Qualitative and Quantitative Scientific Methods <ul style="list-style-type: none"> <li>o Questionnaire</li> <li>o Interview</li> <li>o Qualitative &amp; quantitative content analysis</li> <li>o Field &amp; laboratory study (focus on experiment, A/B test &amp; simulation)</li> </ul> </li> <li>• Tools and Examples <ul style="list-style-type: none"> <li>o Data collection</li> <li>o Data analysis</li> <li>o Visualization of the results</li> </ul> </li> <li>• Description and critical reflection of results</li> </ul>		
Teaching and learning methods	<p><u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u></p> <p>The respective partner university determines the teaching methods.</p>		
Evaluation Methods Criteria	<p><u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u></p> <p>Students are subject to the respective examination modalities of the partner university.</p>		

<b>Module number:</b>	<b>Real Estate Development</b>	<b>Scope:</b>	
<b>DEV.1</b>		<b>9</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM), Real Estate Investment & Financing (FIN), Civil Engineering II (TEC.2), Law for Facility & Real Estate Management (REC), Selected Topics Social Competences & Presentation (SOC)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> <ul style="list-style-type: none"> <li>• Bone-Winkel, S. and K. Schulte, 2008. Handbuch Immobilien-Projektentwicklung, 3rd edition. Cologne: Rudolf Müller - Immobilien Manager Verlag.</li> <li>• Diederichs, C., 2006. Immobilienmanagement im Lebenszyklus: Projektentwicklung, Projektmanagement, Facility Management, Immobilienbewertung. Berlin: Springer.</li> <li>• Kallinger, W., Gartner, H. and W. Stingl, 2011. Bauträger &amp; Projektentwickler: Immobilien erfolgreich Entwickeln, Sanieren und Verwerten. Vienna: Manz.</li> <li>• Klaubetz, E. et. al., 2016. Handbuch Immobilienprojektentwicklung. Vienna: Linde.</li> <li>• Schäfer, J. and G. Conzen, 2013. Praxishandbuch der Immobilien-Projektentwicklung. Munich: C.H.Beck.</li> </ul>		
Skills acquisition	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> The students are able to: <ul style="list-style-type: none"> <li>• Understand basic provisions of public building law</li> <li>• Describe the basic contents of a feasibility study</li> <li>• Describe and evaluate methods of market, location and economic analyses and prepare them independently</li> <li>• Evaluate and create simple building and use concepts</li> <li>• Present milestones in the processes of the planning and construction phases</li> <li>• Identify building typologies and analyze and create function-oriented area allocations</li> <li>• Analyze design rules</li> <li>• Reproduce important architectural historical data, characteristics and correlations</li> <li>• Make sketches (2D and 3D) as a basis for communication in the construction sector</li> <li>• Present, analyze and exemplarily apply methods and instruments of real estate marketing</li> <li>• Identify project development tasks and types of project developers, understand the framework conditions of the industry and identify overlaps and connections with other sub-areas of the real estate industry</li> </ul>		
Course contents	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> <ul style="list-style-type: none"> <li>• Public building law (provisions from regional and building regulations)</li> <li>• Fundamentals and application of feasibility studies               <ul style="list-style-type: none"> <li>o Market, location and competition analyses</li> <li>o Use concepts</li> <li>o Profitability analyses</li> <li>o Risk analysis</li> </ul> </li> <li>• Planning and construction processes</li> <li>• Building typologies and room functions</li> <li>• Design fundamentals</li> <li>• Creation of 2D and 3D sketches as basis for communication</li> <li>• Special features, instruments and methods of real estate marketing</li> </ul> <p>The module contains 20% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> Written exam		

Module number:	Practical Project I	Scope:	
		6	ECTS
PRX.1			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	4th semester		
Level	4th semester: Introduction and consolidation		
Previous knowledge	4th semester: all contents of the modules from semesters 1, 2 and 3.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Patzak, G., Rattay, G. (2014) Projektmanagement: Leitfaden zum Management von Projekten, Projektportfolios und projektorientierten Unternehmen. Linde.</li> <li>• PMI Institute, 2009. A Guide to the Project Management Body of Knowledge (PMBOK)</li> <li>• Kraus, G. and R. Westermann, 2004. Projektmanagement mit System. Wiesbaden</li> </ul>		
Skills acquisition	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> The students are able to: <ul style="list-style-type: none"> <li>• Independently identify problems and tasks from a given objective</li> <li>• Collect and analyze data independently</li> <li>• Independently develop solutions and present results</li> <li>• Independently acquire specialist knowledge for solving specific problems and implement this knowledge in line with the situation</li> <li>• Name project management methods and apply the structures and processes of a defined project independently using supporting project management tools.</li> <li>• Communicate in a situation-appropriate and personal manner</li> </ul>		
Course contents	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Fundamentals of project management and application of supporting tools               <ul style="list-style-type: none"> <li>o Project planning (project organization, resource planning with time planning as well as cost, finance and budget planning)</li> <li>o Project management (time management, cost control and accounting, team leadership, quality management for projects)</li> </ul> </li> <li>• 67% of the module consists of independent implementation of a project based on a given objective in small groups. The students are responsible for planning, coordination, budgeting, control, communication and reporting as well as finding solutions. The role of the course leader is focused on coaching the students.</li> </ul>		
Teaching and learning methods	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> Blended learning and problem-based & project-based learning		
Evaluation Methods Criteria	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> Project and portfolio		

Module number:	Facility Services	Scope:	
SER		5	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of Facility Management (GFM), Fundamentals of the Real Estate Industry (GIM), Selected Topics Business Administration (ECO.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Nävy, J. and M. Schröter, 2013. Facility Services - Die operative Ebene des Facility Managements. Berlin: Springer Vieweg.</li> <li>• Kaiser, C., J. Nusser and F. Schrammel, 2018. Praxishandbuch Facility Management.1st edition. Wiesbaden: Springer Vieweg.</li> <li>• Brugger-Gebhardt, S., 2016. Understand DIN EN ISO 9001:2015: Interpret the standard safely and implement it meaningfully. 2nd edition. Wiesbaden: Springer Gabler Fachmedien.</li> <li>• Geilhausen, M., Schulze, O., Engelmann, D. and J. Bränzel, 2015. Energiemanagement: Für Fachkräfte, Beauftragte und Manager. Wiesbaden: Springer Vieweg.</li> <li>• Schröder, W, 2010. Ganzheitliches Instandhaltungsmanagement: Aufbau, Ausgestaltung und Bewertung. Wiesbaden: Gabler.</li> </ul>		
Skills acquisition	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> The students are able to: <ul style="list-style-type: none"> <li>• Identify Facility Services and their contents</li> <li>• Identify quality levels and different requirements for different property types</li> <li>• Present differences between result-oriented and performance-oriented bills of quantities and services</li> <li>• Create and review Service Level Agreements for Facility Services</li> <li>• Identify requirements and tasks of quality management systems for the various facility services</li> <li>• Define maintenance strategies and select them according to the requirements</li> <li>• Present and analyze relocation processes</li> <li>• Name and analyze various office concepts and land uses and present ergonomic and labor law requirements for workplace design</li> <li>• Create occupancy plans in dependencies of area concepts</li> <li>• Present the contents and processes of energy audits and the energy management system.</li> <li>• Describe the fundamentals of building cleaning and to calculate services</li> <li>• Describe the process of a Computer Aided Facility Management (CAFM) implementation</li> </ul>		
Course contents	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Structure and contents of service level agreements</li> <li>• Basic structure and contents of Facility Services</li> <li>• Structure and procedure of a CAFM implementation</li> <li>• Measurement procedures and certifications in quality management</li> <li>• Energy management with a focus on energy management systems and energy audits</li> <li>• Maintenance management and maintenance strategies</li> <li>• Relocation management and space management with a focus on office space and workplace concepts, space planning, occupancy analyses, ergonomics, accessibility and change management</li> <li>• Basic concepts and calculations in cleaning management</li> </ul>		
Teaching and learning methods	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> Blended Learning		
Evaluation Methods Criteria	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> Written exam		



Module number:	Technical Building Facilities I	Scope:	
		6	ECTS
TEC.3			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Civil Engineering I (TEC.1), Civil Engineering II (TEC.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Recknagel, H., et al., 2018. Taschenbuch für Heizung und Klimatechnik 2019/20. 79th edition. Munich: Oldenbourg</li> <li>• Burkhardt, W. and R. Kraus, 2011. Projektierung von Warmwasserheizungen. 8th edition. Munich: Oldenbourg</li> <li>• Hausladen, G., K. Tichlmann, 2009. Ausbau Atlas - Integrale Planung, Innenausbau, Haustechnik. 1st edition. Munich: Edition Detail</li> <li>• Hausladen, G., et al., 2004. KlimaDesign - Lösungen für Gebäude die mit weniger Technik mehr können. Munich: Callwey Verlag</li> <li>• Daniels, K., 2003. Advanced Building Systems. Munich, Zürich: Birkhäuser</li> <li>• Büttner, W. et al., 2011. Grundlagen der Elektrotechnik, 1st Munich: Oldenbourg</li> <li>• Bumiller, H et al., 2018. Fachkunde Elektrotechnik. Haan-Gruiten: Verlag Europa-Lehrmittel</li> </ul>		
Skills acquisition	<u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u> In respect of the heating, cooling, ventilation and electrical engineering trades, students are able to: <ul style="list-style-type: none"> <li>• Describe technical building requirements</li> <li>• Analyze and calculate technical solutions in the construction sector and compile them in a preliminary planning phase.</li> <li>• Have professional communication with TGA planners</li> </ul>		
Course contents	<u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Meteorological fundamentals, comfort</li> <li>• Heating and cooling loads</li> <li>• Heating systems: Description and characteristics of the most important components, e.g. heat exchangers, boilers, burners, heat pumps, solar systems, automation equipment</li> <li>• Ventilation technology: Description and characteristics of the most important components, e.g. fans, air heaters and air coolers, air filters, air humidifiers and dehumidifiers, heat recovery, fire protection, automation equipment.</li> <li>• Refrigeration: Description and characteristics of the most important components, e.g. refrigerating machines, recooling plants, cooling ceilings, circulating air cooling units</li> <li>• Electrical engineering: Description and characteristics of the most important components, e.g. distribution, fuses, equipment</li> </ul> <p>The module contains 20% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u> Blended Learning		
Evaluation Methods Criteria	<u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u> Term paper and written exam		

Module number:	Property Valuation	Scope:	
VAL		4	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of the Real Estate Industry (GIM), Real Estate Investment & Financing (FIN), Selected Topics Business Administration (ECO.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Kranewitter, H., 2017. Liegenschaftsbewertung. 7th edition. Vienna: Manz.</li> <li>• Seiser, F., F. Kainz, F., 2011. Der Wert von Immobilien. 1st edition. Graz: Seiser+Seiser Immobilien Consulting.</li> <li>• Bienert, S. and M. Funk, M., et al., 2014. Immobilienbewertung Österreich. Vienna: ÖVI.</li> <li>• Kleiber, W., 2016. Verkehrswertermittlung von Grundstücken. 8th edition. Cologne: Bundesanzeiger Verlag.</li> </ul>		
Skills acquisition	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize correlations in the valuation procedures and the different types of property</li> <li>• Understand the systematics of real estate valuation</li> <li>• Describe and apply national assessment procedures</li> </ul>		
Course contents	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Fundamentals of property valuation</li> <li>• Procedure and influencing factors of standardized valuation methods (comparative value method, material value method, capitalized earnings value method, DCF method, residual value method)</li> <li>• Introduction to valuation of rights and encumbrances</li> </ul>		
Teaching and learning methods	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> Blended Learning		
Evaluation Methods Criteria	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> Written exam		

Module number:	Real Estate Management	Scope:	
BEW		4	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	5th semester		
Level	5th semester: Introduction		
Previous knowledge	5th semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM), Real Estate Development (DEV.1), Facility Services (SER)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Gondring, H. and T. Wagner (Eds.), 2010. Real Estate Asset Management - Handbuch für Praxis, Aus- und Weiterbildung. 1st edition. Munich: Vahlen.</li> <li>• Malloth, T. (Ed.), 2013. Immobilienmanagement Österreich, ÖVI Wien. 5th edition.</li> <li>• Bammer, O., K. Fuhrmann and R. Ledl (Eds.), 2011. Handbuch Immobilienbewirtschaftung. 1st edition. Vienna: Linde.</li> <li>• Pfnür, A. (Ed.), 2011. Modernes Immobilienmanagement, 3rd edition. Munich: Springer.</li> </ul>		
Skills acquisition	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply the fundamentals of building management</li> <li>• Name and apply corporate and public real estate management and real estate asset management activities</li> <li>• Carry out property management activities, identify problem areas and propose solutions</li> <li>• Collect, analyze and evaluate key management indicators</li> </ul>		
Course contents	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Fundamentals of building management</li> <li>• Management and administration of WGG properties, WE properties, apartment buildings and commercial properties</li> <li>• Real estate asset management</li> <li>• Corporate real estate management</li> <li>• Public real estate management</li> <li>• Key management figures</li> </ul>		
Teaching and learning methods	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> Written exam		

<b>Module number:</b>	<b>International Facility Management &amp; Real Estate Development - Project &amp; International Week</b>	<b>Scope:</b>	
<b>DEV.2</b>		<b>12</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: all content from modules 1., 2., 3 and 4. Semesters		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> The literature is based on the project topics dealt with.		
Skills acquisition	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> The students are able to: <ul style="list-style-type: none"> <li>• Create and present ideas and concepts for projects in facility management and/or real estate development with real or realistic tasks and problems.</li> <li>• Work in interdisciplinary, international teams</li> <li>• Reflect internationally on different approaches and possible solutions and derive their own knowledge and skills from them</li> </ul>		
Course contents	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> 2x blocked compact weeks in small groups with international students: <ul style="list-style-type: none"> <li>• Introduction, consolidation, background and examples in the complex of topics of the project within the framework of a conference or introductory event.</li> <li>• Research and analysis of framework conditions and possibilities</li> <li>• Development and visualization of ideas and concepts</li> <li>• Presentation of the results to stakeholders and/or technical experts</li> </ul>		
Teaching and learning methods	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> Problem & project-based learning, excursion, conference participation		
Evaluation Methods Criteria	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> 2x independent projects from the respective compact weeks		

Module number:	Practical Project II	Scope:	
		5	ECTS
PRX.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: Practical project I (PRX.1) and all teaching content from the 1st, 2nd, 3rd and 4th semesters		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> The students are able to build on and deepen their knowledge of the practical project I: <ul style="list-style-type: none"> <li>• Independently identify problems and tasks from a given objective</li> <li>• Collect and analyze data independently</li> <li>• Independently develop solutions and present results</li> <li>• Identify, reflect and transfer examples and approaches from practice and research to solve specific problems</li> <li>• Independently develop expertise to solve specific problems</li> </ul>		
Course contents	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Examples and approaches from practice and research will be presented in lectures by experts as well as excursions to companies and research institutions.</li> <li>• 80% of the module consists of independent implementation of a project based on a given objective in small groups. The students are responsible for planning, coordination, budgeting, control, communication and reporting as well as finding solutions. The role of the course leader is focused on coaching the students.</li> </ul>		
Teaching and learning methods	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> Presentation and problem-based & project-based learning		
Evaluation Methods Criteria	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> Project		

Module number:	Foreign Language III	Scope:	
SPR.3		4	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: Foreign Language II		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u></p> <p>The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity.</p> <p>The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities:</p> <p><b>A1 - Beginner</b> Can understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Can introduce him/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and can answer questions of this kind. Can communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p><b>A2 - Basic knowledge</b> Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Can communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Can describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p><b>B1 - Advanced language use</b> Can understand the main points when clear standard language is used and when it comes to familiar matters from work, school, leisure, etc. Can cope with most situations encountered when travelling in the area where the language is spoken. Can express himself/herself simply and coherently on familiar topics and personal areas of interest. Can report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p><b>B2 - Independent use of language</b> Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p><b>C1 - Expert language skills</b> Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in education and studies. Can express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p><b>C2 - Approximate mother-tongue knowledge</b> Can easily understand practically anything he/she reads or hears. Can summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Can express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>		
Course contents	<u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u> A1 – Beginner		

<p>Course contents</p>	<p>Understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Introduce himself/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and answer questions of this kind. Communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p>A2 - Basic knowledge Understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p>B1 - Advanced language use Use clear standard language and communicate on familiar matters from work, school, leisure, etc. Apply relevant conversation skills for travel in the area in which the language is spoken. Express himself/herself simply and coherently on familiar topics and personal areas of interest. Report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p>B2 - Independent use of language Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p>C1 - Expert language skills Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p>C2 - Approximate mother-tongue knowledge Effortless communication in all language situations. Summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
<p>Teaching and learning methods</p>	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u> Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media</p>
<p>Evaluation Methods Criteria</p>	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u> The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.</p>

Module number:	Technical Building Facilities II	Scope:	
TEC.4		5	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	5th semester		
Level	5th semester: Introduction and consolidation		
Previous knowledge	5th semester: Technical Building Facilities I (TEC.3)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Feurich, H. and L. Kühl, 2011. Sanitärtechnik Volumes 1 + 2. 10th expanded edition. Düsseldorf: Krammer Verlag</li> <li>• Hausladen, G., K. Tichlmann, 2009. Ausbau Atlas - Integrale Planung, Innenausbau, Haustechnik. 1st edition. Munich: Edition Detail</li> <li>• Unger, D., 2018. Aufzüge und Fahrtreppen: Ein Anwenderhandbuch (VDI Buch). 3rd edition. Berlin: Springer Vieweg</li> </ul>		
Skills acquisition	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> The students are able to work with sanitary engineering, elevators, escalators, lifting platforms, automatic doors, garage technology, fire alarm systems and safety lighting: <ul style="list-style-type: none"> <li>• Describe technical building requirements</li> <li>• Analyze and calculate technical solutions in the construction sector and compile them in a preliminary planning phase.</li> <li>• Have professional communication with TGA planners</li> </ul>		
Course contents	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Sanitary Technology: Hot water preparation, water supply, sewage disposal, rainwater</li> <li>• Elevators, escalators, lifting platforms, automatic doors, garage technology, fire alarm systems, safety lighting</li> </ul>		
Teaching and learning methods	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> Blended Learning		
Evaluation Methods Criteria	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> Term paper and written exam		



Module number:	Internship	Scope:	
		20	ECTS
PRX.3			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	6th semester		
Level	6th semester: Consolidation		
Previous knowledge	6th semester: all contents of modules with cross-links to the areas of responsibility of the professional internship from semesters 1 to 5.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 20</u> • Brenner, D., 2007. Schön, dass Sie da sind: Karrierestart nach dem Studium. Nürnberg: BW Verlag		
Skills acquisition	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 20</u> The students are able to: <ul style="list-style-type: none"> <li>• Apply their acquired knowledge in professional practice</li> <li>• Understand processes in the professional environment</li> <li>• Solve problems independently within the scope of professional projects and implement solutions as well as justify them with comprehensible arguments and present results in a clear and goal-oriented way</li> <li>• Successfully use communication at all levels (superiors, colleagues, employees, external partners) to solve problems</li> <li>• Independently develop expertise to solve specific problems</li> </ul>		
Course contents	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 20</u> Full-time students must complete an internship of 19 ECTS = 475 hours. This time can be credited to students working in a specific subject. The following contents will be taught during the internship: <ul style="list-style-type: none"> <li>• Supplementing and deepening the knowledge acquired during the course of study through practical activities and questions of commercial law at an external company.</li> <li>• The internship ensures that the students are able to find their way around when they start their professional life after their studies and gain confidence in the implementation of their acquired knowledge through the experience they have already gained.</li> </ul> In addition to the internship, the following teaching and learning contents are part of this module: <ul style="list-style-type: none"> <li>• Reflection on one's own strengths</li> <li>• Possibilities of self-marketing</li> <li>• Implementation strategies for a personal work-life balance</li> </ul>		
Teaching and learning methods	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 20</u> Blended learning and internship		
Evaluation Methods Criteria	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 20</u> Portfolio		

Module number:	Bachelor Thesis Seminar	Scope:	
		10	ECTS
WIS.3			
Degree program	Bachelor Degree Course - Facility & Real Estate Management Full-time		
Position in the curriculum	6th semester		
Level	6th semester: <b>Bachelor Thesis Seminar</b>		
Previous knowledge	6th semester: Scientific & empirical methods (WIS.1), Selected topics academic & empirical methods (WIS.2) and contents from the modules with links to the topic of the Bachelor thesis of semesters 1 to 5.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> The students are able to: <ul style="list-style-type: none"> <li>• Define a topic independently and formulate a question independently</li> <li>• Present the "state of the art" in the context of the question and, if necessary, critically compare different views</li> <li>• Independently collect, interpret and critically reflect on data with the help of a self-chosen academic methodology, thereby developing and further developing arguments and problem solutions</li> <li>• Present results in a comprehensible manner and according to academic standards in the form of a Bachelor thesis</li> <li>• Organize oneself</li> <li>• Independently prepare and learn knowledge and skills from cross-connections of the course contents for the final Bachelor examination in a systematic manner</li> </ul>		
Course contents	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> <ul style="list-style-type: none"> <li>• Deepening the knowledge of academic work in relation to the independent Bachelor thesis</li> <li>• Visualization of academic results such as posters, video, infographics, etc.</li> <li>• Regular meetings to discuss the current status and progress of the Bachelor thesis with accompanying academic supervision</li> <li>• Information on the Commission Bachelor examination</li> </ul>		
Teaching and learning methods	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> Blended learning and supervision of the Bachelor thesis		
Evaluation Methods Criteria	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> Bachelor thesis and visualization of the contents of the academic work		

## 2.3.2 Module descriptions Part-time

Module number:	Fundamentals of Facility Management	Scope:	
GFM		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Krimmling, J., 2013. Facility Management. Strukturen und methodische Instrumente. 4th updated edition. Stuttgart: Fraunhofer IRB Verlag.</li> <li>• Gondring, H. and T. Wagner, 2018. Facility Management: Handbuch für Studium und Praxis. 3rd completely revised edition. Munich: Vahlen</li> <li>• Nävy, J. and M. Schröter, 2013. Facility Services - Die operative Ebene des Facility Managements. Berlin: Springer Vieweg.</li> </ul>		
Skills acquisition	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• To present the development and history of facility management in an international context and to describe different international views of facility management.</li> <li>• To demonstrate the benefits of facility management and to demonstrate similarities and differences to disciplines such as Corporate Real Estate Management (CREM), real estate management and facility management.</li> <li>• To describe the management approach of facility management</li> <li>• To demonstrate the importance of users in facility management, to define user and customer satisfaction and to name various survey methods.</li> <li>• To define sustainability and describe sustainability aspects influenced by facility management</li> <li>• To explain exemplary processes and models in facility management</li> <li>• To identify essential standards in facility management and to explain their areas of application</li> <li>• To explain definitions of quality and to present requirements and tasks of quality management systems.</li> <li>• To describe a real estate benchmarking process and identify possible sources of error</li> </ul>		
Course contents	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• History of Facility Management in different countries</li> <li>• Definitions and meanings of Facility Management in an international context as well as similarities and differences to other disciplines</li> <li>• Models, processes and tasks in facility management</li> <li>• Terms like service level agreement, key performance indicator, facility management agreement, service</li> <li>• Normative framework in facility management</li> <li>• Definitions and measurement of customer and user satisfaction</li> <li>• Definition of quality and structure of a quality management system</li> <li>• The process of real estate benchmarking</li> <li>• Definition of sustainability and presentation of sustainability in facility management</li> </ul>		
Teaching and learning methods	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Fundamentals of Facility Management /ILV / Course no.: GFM / 1st semester / ECTS: 7</u> Written exam		

Module number:	Fundamentals of the Real Estate Industry	Scope:	
GIM		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Malloth, T., et al., 2013. Immobilienmanagement Österreich. 5th edition. Vienna: ÖVI</li> <li>• Wendlinger, P., 2018. Immobilienkennzahlen. 2nd edition. Vienna: Linde.</li> <li>• Brauer, K., et al., 2019. Grundlagen der Immobilienwirtschaft. 10th edition. Wiesbaden: Gabler Verlag.</li> </ul>		
Skills acquisition	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize and understand real estate economic interrelationships</li> <li>• Record questions relating to the real estate industry</li> <li>• Understand the fundamentals of real estate economics including concepts and terms for subsequent in-depth courses and argue with real estate economics terminology</li> </ul>		
Course contents	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Players in the real estate industry</li> <li>• Documents and information about the property</li> <li>• Factors influencing the property</li> <li>• Terminology and key figures in the real estate industry</li> <li>• Fundamentals of legal relationships in the real estate industry (rights and standards)</li> <li>• Fundamentals of aspects specific to space and building regulations</li> </ul>		
Teaching and learning methods	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Fundamentals of the Real Estate Industry /ILV / Course no.: GIM / 1st semester / ECTS: 7</u> Written exam		

Module number:	Foreign Language I	Scope:	
		3	ECTS
SPR.1			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	1st semester		
Level	1st semester: Introduction or consolidation		
Previous knowledge	1st semester: English Module with target B2/C1: Level B1 (GER) or English advanced course required		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media		
Skills acquisition	<u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity. The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities: B2 - Independent use of language Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options. C1 - Expert language skills Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in education and studies. Can express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.		
Course contents	<u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> B2 - Independent use of language Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options. C1 - Expert language skills Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.		
Teaching and learning methods	<u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> Blended Learning		
Evaluation Methods Criteria	<u>Foreign Language I /ILV / Course no.: SPR.1 / 1st semester / ECTS: 3</u> The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.		

Module number:	Civil Engineering I	Scope:	
TEC.1		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u></p> <ul style="list-style-type: none"> <li>• Neroth, G. and D. Vollenschaar, 2011. Wendehorst Baustoffkunde: Grundlagen - Baustoffe – Oberflächenschutz. Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Backe, H., 2008. Baustoffkunde: Für Ausbildung und Praxis, 11th edition. Cologne: Werner Verlag.</li> <li>• Herrmann, H. and W. Krings, 2017. Kleine Baustatik: Grundlagen der Statik und Berechnung von Bauteilen, 18th edition. Wiesbaden: Springer Vieweg.</li> <li>• Lutz, P et. al., 2013. Lehrbuch der Bauphysik: Schall, Wärme, Feuchte, Licht, Brand, Klima. Wiesbaden: Springer Vieweg.</li> <li>• Pech, A. and C. Pöhn, 2018. Bauphysik Wärme – Feuchte – Schall – Brand. Basle: Birkhäuser.</li> </ul>		
Skills acquisition	<p><u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u></p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Describe the most important construction and materials as well as constructional concerns and compare their differences</li> <li>• Classify construction materials and materials according to their physical properties</li> <li>• Identify and classify causes and avoidance of structural defects and damage to buildings</li> <li>• Understand the basic principles of structural mechanics</li> <li>• Understand basic building physics (heat, sound and humidity)</li> </ul>		
Course contents	<p><u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u></p> <ul style="list-style-type: none"> <li>• Basic knowledge and overview of common building materials for construction and finishing.</li> <li>• Assessment and selection of building materials according to technical and economic characteristics.</li> <li>• Basic knowledge of structural mechanics</li> <li>• Building physics (heat, sound and humidity)</li> <li>• Construction defects and structural damage with regard to cause and avoidance</li> </ul> <p>The module contains 25% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<p><u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u></p> <p>Blended Learning</p>		
Evaluation Methods Criteria	<p><u>Civil Engineering I /ILV / Course no.: TEC.1 / 1st semester / ECTS: 6</u></p> <p>Written exam</p>		

Module number:	Academic & Empirical Methods	Scope:	
WIS.1		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	1st semester		
Level	1st semester: Introduction		
Previous knowledge	1st semester: no		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Heisen, M. R. and M. Theisen 2017. Wissenschaftliches Arbeiten: erfolgreich bei Bachelor- und Masterarbeit. Munich: Franz Vahlen</li> <li>• Fahrmeir, L., R. Künstler, I. Pigeot, I. and G. Tutz, 2012. Statistics: Der Weg zur Datenanalyse. 7th edition. Berlin: Springer</li> <li>• Fahrmeir, L., Kneib, T. &amp; Lang, S., 2009. Regression: Modelle, Methoden und Anwendungen. 2nd edition. Berlin: Springer</li> <li>• Hetland, M., 2005. Beginning Python From Novice to Professional. New York: Springer-Verlag</li> <li>• Ernesti, J. and P. Kaiser, 2012. Python 3 - Das umfassende Handbuch. 3rd edition. Bonn: Galileo Computing</li> <li>• Weitz, E. 2018. Konkrete Mathematik (nicht nur) für Informatiker. Mit vielen Grafiken und Algorithmen in Python. Wiesbaden: Springer</li> </ul>		
Skills acquisition	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply the fundamentals of academic work</li> <li>• Research, evaluate and quote specialist literature</li> <li>• Present and apply academic methods of literature analysis</li> <li>• Understand and apply concepts and methods of descriptive and explorative statistics</li> <li>• Independently analyze and structure data sets as well as present and critically evaluate information</li> </ul>		
Course contents	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Principles of academia and academic work             <ul style="list-style-type: none"> <li>o Science and academic language</li> <li>o Literature research</li> <li>o Citation and source work</li> <li>o Avoidance of plagiarism</li> </ul> </li> <li>• Principles of data analysis             <ul style="list-style-type: none"> <li>o Statistical characteristics and variables</li> <li>o Univariate and multivariate description and exploration of data</li> <li>o Correlation and regression analyses</li> <li>o Basic programming knowledge for data preparation</li> <li>o Analysis and presentation of information from data sets</li> </ul> </li> </ul> <p>The module contains 25% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Academic &amp; Empirical Methods /ILV / Course no.: WIS.1 / 1st semester / ECTS: 7</u> Term paper and written exam		

Module number:	Fundamentals of Business Administration & Economics	Scope:	
ECO.1		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester</u></p> <ul style="list-style-type: none"> <li>• Vahs, D. and J. Schäfer-Kunz, 2015. Einführung in die Betriebswirtschaftslehre. 7th edition. Stuttgart: Schäffer Poeschel.</li> <li>• Thommen, J.-P. et al., 2017. Allgemeine Betriebswirtschaftslehre: Umfassende Einführung aus managementorientierter Sicht. 8th edition. Wiesbaden: Springer Gabler.</li> <li>• Schweitzer, M. and A. Baumeister, 2015. Allgemeine Betriebswirtschaftslehre. 11th edition. Berlin: Erich Schmidt Verlag.</li> <li>• Hutzschenreuter, T., 2015. Allgemeine Betriebswirtschaftslehre. 6th edition. Wiesbaden: Springer Gabler.</li> <li>• Wöhe, G., U. Döring and G. Brösel, 2016. Einführung in die Allgemeine Betriebswirtschaftslehre, 26th edition Munich: Vahlen.</li> <li>• Weber, W., R. Kabst and M. Baum, 2018: Einführung in die Betriebswirtschaftslehre, 10th edition Wiesbaden: Springer Gabler.</li> <li>• Pindyck, R. S. and D. L. Rubinfeld, 2018. Mikroökonomie. Pearson Deutschland GmbH</li> <li>• Varian, H. R., 2014. Grundzüge der Mikroökonomik. Berlin: Walter de Gruyter GmbH &amp; Co KG.Deutschland GmbH.</li> <li>• Münter, M.T., 2018. Mikroökonomie, Wettbewerb und strategisches Verhalten. Stuttgart: UTB GmbH</li> <li>• Natrop, J., 2012. Grundzüge der angewandten Mikroökonomie. Berlin: Walter de Gruyter GmbH &amp; Co KG.Deutschland GmbH.</li> <li>• Kahneman, D., 2012. Schnelles Denken, langsames Denken. Munich: Siedler Verlag.</li> <li>• Rifkin, J., 2014. Die Null-Grenzkosten-Gesellschaft: Das Internet der Dinge, kollaboratives Gemeingut und der Rückzug des Kapitalismus. Frankfurt am Main: Campus Verlag.</li> <li>• Thiel, P., and B. Masters, 2014. Zero to one: Wie Innovation unsere Gesellschaft rettet. Frankfurt am Main: Campus Verlag.</li> <li>• Buchholz, L. and R. Gerhards, 2016. Internes Rechnungswesen, Kosten- und Leistungsrechnung, Betriebsstatistik und Planungsrechnung. Wiesbaden: Springer Gabler</li> <li>• Deimel, K. et al., 2017. Kostenrechnung, Das Lehrbuch für Bachelor, Master und Praktiker. Hallbergmoos: Pearson</li> <li>• Geirhofer, S. and C. Hebrank, 2016. Grundlagen Buchhaltung und Bilanzmanagement, 4th edition. Vienna: Linde Verlag.</li> <li>• Coenberg, A.G. et. al., 2018. Einführung in das Rechnungswesen: Grundlagen der Buchführung und Bilanzierung, 7th edition Stuttgart: Schäffer Poeschel</li> <li>• Wedell, H. and A.A. Dilling, 2018. Grundlagen des Rechnungswesens, 16th edition Herne: NWB Studium</li> <li>• Breidenbach, K. and M. Währisch, 2017. Buchhaltung und Jahresabschluss, 4th edition. Berlin: De Gruyter Studium</li> <li>• Schmidt, M., B. Auer and P. Schmidt, 2012. Buchführung und Bilanzierung: Eine anwendungsorientierte Einführung. Wiesbaden: Springer Gabler</li> </ul>		
Skills acquisition	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Describe different business subareas</li> <li>• Explain the fundamentals of marketing</li> <li>• Explain the fundamentals of human resources management</li> <li>• Explain the structure of a company and typical operational processes and the basic constitutive factors of a company.</li> <li>• Recognize relationships in the sense of the various relationships between business functions</li> <li>• Clearly differentiate central business terms from each other</li> <li>• Explain the most important constitutional and functional corporate decisions.</li> <li>• Handle fundamental management problems from an economic point of view</li> <li>• Analyze decisions under uncertainty</li> <li>• Develop strategic decisions on the basis of economic models</li> <li>• Assess the impact of digital technologies and products on a company's cost structure and the formation of market forms</li> <li>• Explain the fundamentals of mapping business decisions in the accounting system.</li> </ul>		



Study Regulations FMI ft & pt

- Explain basic concepts and subareas of accounting
- Understand the technique and internal structure of double-entry bookkeeping and

<p>Skills acquisition</p>	<p>assess the structure of an accounting system and the characteristics of different types of accounts</p> <ul style="list-style-type: none"> <li>• Make simple business postings to balance sheet and profit and loss accounts and create posting records</li> <li>• Identify the significant effects of business transactions on the balance sheet and income statement</li> <li>• Explain task fields and solution approaches of cost and revenue accounting with its subsystems (cost element, cost center and cost unit accounting)</li> <li>• Distinguish between the terms deposits, disbursements, income, expenses and income</li> <li>• Explain the organizational structure of a cost accounting system and explain the main features of the main cost accounting systems</li> <li>• Explain the systems of cost accounting (partial and full cost accounting)</li> </ul>
<p>Course contents</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <ul style="list-style-type: none"> <li>• Overview and context analysis of the most important subareas in business administration</li> <li>• Subject and fundamentals of business administration:             <ul style="list-style-type: none"> <li>o Operational functional areas</li> <li>o Business decision theory</li> <li>o Fundamentals of management and ethics</li> <li>o Fundamentals of Human Resources and organization</li> <li>o Marketing fundamentals</li> </ul> </li> <li>• Fundamentals of business management:             <ul style="list-style-type: none"> <li>o Constitutive company decisions such as legal forms, location decisions, types of mergers and acquisitions and choice of business segment</li> <li>o Functional company decisions: Materials management, production management, marketing</li> </ul> </li> <li>• Fundamentals of business value creation processes and functions (value creation architecture and structure)</li> <li>• Fundamentals of market-, process- and strategy-oriented management</li> <li>• Microeconomics and the behavior of managers and companies</li> <li>• Price and product policy of companies</li> <li>• Elementary principles of game theory</li> <li>• Company organization</li> <li>• Market forms &amp; market entry</li> <li>• Decisions under uncertainty</li> <li>• Behavioral economics</li> <li>• Economy of digitization</li> <li>• External accounting:             <ul style="list-style-type: none"> <li>o Structure of the accounting system</li> <li>o Fundamentals of operational accounting: Tasks, sub-areas and basic concepts</li> <li>o Commercial accounting system: From inventory to opening balance sheet</li> <li>o Double-entry accounting system: Posting business cases to inventory and profit and loss accounts</li> <li>o Organization of bookkeeping (chart of accounts, sales tax, etc.)</li> <li>o Principle of period purity and accruals and deferrals</li> </ul> </li> <li>• Internal accounting:             <ul style="list-style-type: none"> <li>o Objectives and basic concepts of cost and revenue accounting</li> <li>o Fundamentals of cost and revenue accounting: Tasks, components and subareas</li> <li>o Structure of cost accounting (cost elements, cost centers, cost objects)</li> <li>o Contribution margin accounting</li> </ul> </li> </ul>
<p>Teaching and learning methods</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <p>Blended Learning</p>
<p>Evaluation Methods Criteria</p>	<p><u>Fundamentals of Business Administration &amp; Economics (E) /ILV / Course no.: ECO.1 / 2nd semester /</u></p> <p>Written exam</p>

Module number:	Real Estate Financing & Investment	Scope:	
FIN		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: Fundamentals of the Real Estate Industry (GIM), Academic & Empirical Methods (WIS.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Financing &amp; Investment /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Geyer, A., M. Hanke, E. Littich, M. Nettekoven, 2015. Grundlagen der Finanzierung, 5th edition. Vienna: Linde Verlag</li> <li>• Walch, P., K. Weichselbaum, 2018. Handbuch Immobilienfinanzierung. 2nd edition. Vienna: Linde Verlag.</li> <li>• Teufelsdorfer, H. et al., 2015. Handbuch Immobilientransaktionen. 2nd edition. Vienna: Linde Verlag.</li> </ul>		
Skills acquisition	<u>Real Estate Financing &amp; Investment /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize and understand financial mathematical correlations</li> <li>• Understand and apply investment and financing calculations</li> <li>• Recognize connections between the capital market and the real estate market</li> <li>• Understand and apply feasibility studies for real estate investments</li> </ul>		
Course contents	<u>Real Estate Financing &amp; Investment /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Fundamentals of financial mathematics</li> <li>• Static and dynamic investment calculations</li> <li>• Loan financing and equity financing</li> <li>• Real estate lending process</li> <li>• Real estate investment/real estate investment</li> <li>• Real estate market and capital market</li> </ul>		
Teaching and learning methods	<u>Real Estate Financing &amp; Investment /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Financing &amp; Investment /ILV / Course no.: FIN / 2nd semester / ECTS: 6</u> Written exam		

Module number:	Law for Facility & Real Estate Management	Scope:	
REC		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction		
Previous knowledge	2nd semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> <ul style="list-style-type: none"> <li>• Meissel, F., et al., 2016. Grundbegriffe der Rechtswissenschaften, 3rd edition. Vienna: Manz.</li> <li>• Artner, S., Kohlmaier, K., et al., 2017. Praxishandbuch Immobilienrecht. 2nd edition. Vienna: Linde.</li> <li>• Krumschnabel, M., 2015. Immobilienverträge. 1st edition. Kufstein: Eigenverlag</li> <li>• Najork, E., et al., 2009. Rechtshandbuch Facility Management. 1st edition. Berlin: Springer</li> <li>• Kaiser, C., Nusser, J. und f. Schrammel. 2018. Praxishandbuch Facility Management. 1st edition. Wiesbaden: Springer Vieweg.</li> </ul>		
Skills acquisition	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> The students are able to: <ul style="list-style-type: none"> <li>• Identify and classify legal areas and topics</li> <li>• Understand real estate law areas and their fundamentals, and grasp their legal aspects</li> <li>• Identify the specifics of the legal area of facility management</li> </ul>		
Course contents	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> <ul style="list-style-type: none"> <li>• Explanations of terms from the most important areas of law</li> <li>• Distinction between public law and private law</li> <li>• Applied basic knowledge of civil law</li> <li>• Real estate-specific legal areas (e.g. acquisition of property, MRG, WEG)</li> <li>• Contract law (including FM contracts, contracts for work and services, maintenance and repair contracts)</li> <li>• Fundamentals of public procurement law</li> </ul>		
Teaching and learning methods	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> Blended Learning		
Evaluation Methods Criteria	<u>Law for Facility &amp; Real Estate Management /ILV / Course no.: REC / 2nd semester /</u> Written exam		

Module number:	Foreign Language II	Scope:	
		5	ECTS
SPR.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	2nd semester		
Level	2nd semester: Consolidation		
Previous knowledge	2nd semester: Foreign Language I		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media		
Skills acquisition	<u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity. The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities: A1 - Beginner Can understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Can introduce him/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and can answer questions of this kind. Can communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help. A2 - Basic knowledge Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Can communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Can describe with simple language his/her own background and education, immediate environment and things related to immediate needs. B1 - Advanced language use Can understand the main points when clear standard language is used and when it comes to familiar matters from work, school, leisure, etc. Can cope with most situations encountered when travelling in the area where the language is spoken. Can express himself/herself simply and coherently on familiar topics and personal areas of interest. Can report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views. B2 - Independent use of language Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options. C1 - Expert language skills Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in education and studies. Can express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate. C2 - Approximate mother-tongue knowledge Can easily understand practically anything he/she reads or hears. Can summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Can express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.		

<p>Course contents</p>	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u></p> <p>A1 - Beginner Understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Introduce himself/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and answer questions of this kind. Communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p>A2 - Basic knowledge Understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p>B1 - Advanced language use Use clear standard language and communicate on familiar matters from work, school, leisure, etc. Apply relevant conversation skills for travel in the area in which the language is spoken. Express himself/herself simply and coherently on familiar topics and personal areas of interest. Report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p>B2 - Independent use of language Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p>C1 - Expert language skills Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p>C2 - Approximate mother-tongue knowledge Effortless communication in all language situations. Summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
<p>Teaching and learning methods</p>	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> Blended Learning</p>
<p>Evaluation Methods Criteria</p>	<p><u>Foreign Language II /ILV / Course no.: SPR.2 / 2nd semester / ECTS: 5</u> The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.</p>

Module number:	Civil Engineering II	Scope:	
TEC.2		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	2nd semester		
Level	2nd semester: Introduction and consolidation		
Previous knowledge	2nd semester: Civil Engineering I (TEC.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Hestermann, U. and L. Rongen, 2009. Frick/Knöll Baukonstruktionslehre 1st Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Kister, J. et al., 2012. Bauentwurfslehre. Wiesbaden: Springer Vieweg.</li> <li>• Neumann, D., Hestermann, U. and L. Rongen, 2008. Frick/Knöll Baukonstruktionslehre 2nd Wiesbaden: Vieweg+Teubner Verlag.</li> <li>• Riccabona, C., 2008. Baukonstruktionslehre 1: Rohbauarbeiten. Vienna: Manz.</li> <li>• Riccabona, C. and K. Mezera, 2011. Baukonstruktionslehre 2: Ausbauarbeiten. Vienna: Manz.</li> <li>• Fröhler, R. and R. Mair, 2003. AutoCAD 2002 Grundlagen der 3D-Konstruktion. Munich, Vienna: Textbook publishing house Leipzig in the Carl Hanser Verlag</li> <li>• Frey, H. et al., 2015. Bautechnik Technisches Zeichnen. Haan-Gruiten: Verlag Europa-Lehrmittel</li> </ul>		
Skills acquisition	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> The students are able to: <ul style="list-style-type: none"> <li>• Inspect component superstructures and assess them from a constructional point of view</li> <li>• Describe structural designs and relevant connection details and create them independently.</li> <li>• Understand construction drawings and communicate their characteristics</li> <li>• Create simple 2D &amp; 3D plans using CAD programs</li> </ul>		
Course contents	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> <ul style="list-style-type: none"> <li>• Primary, secondary and tertiary structures</li> <li>• Solid, lightweight and system construction methods in shell and finish construction</li> <li>• Communication of the constructive interrelations and detailed solutions usually found in building construction (new construction and renovation)</li> <li>• Requirements (rules and standards) and contents of construction drawings (site plan, ground plans, sections, views and details)</li> <li>• Introduction to the functions of a CAD program and application</li> </ul> <p>The module contains 50% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> Blended Learning		
Evaluation Methods Criteria	<u>Civil Engineering II /ILV / Course no.: TEC. 2 / 2nd semester / ECTS: 7</u> Term paper and written exam		

Module number:	Selected Topics Business Administration	Scope:	
		8	ECTS
ECO.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	3rd semester		
Level	3rd semester: Consolidation		
Previous knowledge	3rd semester: Introduction to Business Administration & Economics (ECO.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p>Selected Topics Business Administration (E) /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</p> <ul style="list-style-type: none"> <li>• Kollmann, T., 2016. E-Entrepreneurship: Grundlagen der Unternehmensgründung in der digitalen Wirtschaft. Wiesbaden: Springer Gabler.</li> <li>• Moring, A., L. Maiwald and T. Kewitz, 2018. Bits und Bricks: Digitalisierung von Geschäftsmodellen in der Immobilienbranche. Wiesbaden: Springer Gabler.</li> <li>• Osterwalder, A. and Y. Pigneur, 2011. Business Model Generation: Ein Handbuch für Visionäre, Spielveränderer und Herausforderer. Frankfurt a.M.: Campus Verlag GmbH.</li> <li>• Plümer, T. and M. Niemann, 2016. Existenzgründung Schritt für Schritt. 2nd edition. Wiesbaden: Springer Gabler.</li> </ul>		
Skills acquisition	<p>Selected Topics Business Administration (E) /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</p> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Explain the fundamentals of setting up a company</li> <li>• Apply the business plan creation process</li> <li>• Evaluate business plans</li> <li>• Explain economic trends and correlations or changes and assess the resulting new business models</li> <li>• Market a business model</li> </ul>		
Course contents	<p>Selected Topics Business Administration (E) /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</p> <ul style="list-style-type: none"> <li>• Fundamentals of a company with a focus on digital business models within the real estate industry</li> <li>• Components of a business plan and creation of one's own business plan</li> <li>• Business model analysis</li> <li>• Fundamentals of marketing business models</li> </ul>		
Teaching and learning methods	<p>Selected Topics Business Administration (E) /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</p> <p>Blended Learning</p>		
Evaluation Methods Criteria	<p>Selected Topics Business Administration (E) /ILV / Course no.: ECO.2 / 3rd semester / ECTS: 8</p> <p>Project</p>		



Module number:	Selected Topics Social Competences & Presentation	Scope:	
SOC		7	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> <ul style="list-style-type: none"> <li>• Rosenberg, M., 2012. Gewaltfreie Kommunikation. Paderborn: Junfermann</li> <li>• Becker, H. and A. Hugo-Becker, 1992. Psychologisches Konfliktmanagement. Munich: Beck.</li> <li>• Oboth, M., 2008. Mediation in Teams und Gruppen. Paderborn: Junfermann</li> </ul>		
Skills acquisition	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Present basic concepts of communicative processes and consciously use content and relationship aspects of human communication.</li> <li>• Understand motivation and assessment of people in a professional context</li> <li>• Reflect a meaningful design of work and leisure time (work-life balance)</li> <li>• Facilitate communicative processes within the team and identify and analyze problems in team communication and develop solution strategies.</li> <li>• Prepare and conduct presentations and use the techniques and media required for them in a targeted manner</li> <li>• Create simple 3D visualizations</li> <li>• Create short videos to visualize ideas and concepts with simple tools</li> </ul>		
Course contents	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> <ul style="list-style-type: none"> <li>• Basic components of communicative processes, message and meaning as well as content and relationship aspects of human communication</li> <li>• Language, gestures, facial expressions, posture</li> <li>• Possibilities of communication for assessment and motivation</li> <li>• Communication in a team</li> <li>• Communication problems and conflict solutions</li> <li>• Goals and target group as well as structure, content and form of a presentation</li> <li>• Selection and application of different presentation techniques and media</li> <li>• Challenges of dislocated presentations</li> <li>• Goals and target group as well as content and form of 3D visualizations</li> <li>• Selection and application of tools for the creation of 3D visualizations</li> <li>• Objectives and target group as well as structure, content and form of short videos</li> <li>• Selection and application of simple techniques and tools for video creation</li> </ul>		
Teaching and learning methods	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> Blended Learning		
Evaluation Methods Criteria	<u>Selected Topics Social Competences &amp; Presentation /ILV / Course no.: SOC / 3rd semester /</u> Portfolio		

Module number:	Selected Topics Economics	Scope:	
VWL		10	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: none		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u> <ul style="list-style-type: none"> <li>• Krugman, P., R., Wells, 2017. Volkswirtschaftslehre. 2nd edition. Munich: Schäffer Poeschel</li> <li>• Pirounakis, N., 2013. Real Estate Economics: A Point-to-Point Handbook. UK: Routledge.</li> <li>• Maier, G., F., Tödting, 2012. Regional- und Stadtökonomik 1: Standorttheorie und Raumstruktur. 5th edition. Vienna: Springer</li> <li>• Maier, G., F., Tödting, 2012. Regionalentwicklung und Regionalpolitik. 4th edition. Vienna: Springer</li> <li>• Rottke, N., M., Voigtländer, 2017. Immobilienwirtschaftslehre – Ökonomie. Wiesbaden: Gabler Verlag</li> </ul>		
Skills acquisition	<u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply basic concepts and methods in economics</li> <li>• Critically evaluate and question methods and concepts in economics</li> <li>• Recognize and understand economic interrelations in the context of the real estate industry</li> </ul>		
Course contents	<u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u> <ul style="list-style-type: none"> <li>• Economic theory</li> <li>• Microeconomics</li> <li>• Macroeconomics</li> <li>• Econometrics</li> <li>• Regional economy</li> <li>• Real estate economics</li> <li>• Economic policy</li> <li>• Environmental economics</li> </ul>		
Teaching and learning methods	<u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u> Blended Learning		
Evaluation Methods Criteria	<u>Selected Topics Economics /ILV / Course no.: VWL / 3rd semester / ECTS: 10</u> Term paper and presentation		

Module number:	Selected Topics on Academic & Empirical Methods	Scope:	
		5	ECTS
<b>WIS.2</b>			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	3rd semester		
Level	3rd semester: Introduction and consolidation		
Previous knowledge	3rd semester: Academic and Empirical Methods (WIS.1)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u> <ul style="list-style-type: none"> <li>• Bortz, J. and N. Döring, 2006. Forschungsmethoden und Evaluation. Berlin: Springer</li> <li>• Flick, U., E. Kardorff and I. Steinke, 2007. Qualitative Forschung. Rowohlt's Enzyklopädie</li> <li>• Lamnek, S., 2010. Qualitative Sozialforschung. Berlin: Beltz</li> <li>• Przyborski, A. and M. Wohlrab-Sahr, 2010: Qualitative Sozialforschung. Munich: Oldenbourg</li> </ul>		
Skills acquisition	<u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply relevant quantitative and qualitative academic methods in the subject area</li> <li>• Select and independently apply tools and methods to support data collection and analysis.</li> <li>• Illustrate and critically reflect on results in a comprehensible way</li> </ul>		
Course contents	<u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u> <ul style="list-style-type: none"> <li>• Qualitative and Quantitative Scientific Methods               <ul style="list-style-type: none"> <li>o Questionnaire</li> <li>o Interview</li> <li>o Qualitative &amp; quantitative content analysis</li> <li>o Field &amp; laboratory study (focus on experiment, A/B test &amp; simulation)</li> </ul> </li> <li>• Tools and Examples               <ul style="list-style-type: none"> <li>o Data collection</li> <li>o Data analysis</li> <li>o Visualization of the results</li> </ul> </li> <li>• Description and critical reflection of results</li> </ul>		
Teaching and learning methods	<u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u> Blended Learning		
Evaluation Methods Criteria	<u>Selected Topics on Academic &amp; Empirical Methods /ILV / Course no.: WIS.2 / 3.</u> Term paper		

<b>Module number:</b>	<b>Real Estate Development</b>	<b>Scope:</b>	
<b>DEV.1</b>		<b>9</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM), Real Estate Investment & Financing (FIN), Civil Engineering II (TEC.2), Law for Facility & Real Estate Management (REC), Selected Topics Social Competences & Presentation (SOC)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> <ul style="list-style-type: none"> <li>• Bone-Winkel, S. and K. Schulte, 2008. Handbuch Immobilien-Projektentwicklung, 3rd edition. Cologne: Rudolf Müller - Immobilien Manager Verlag.</li> <li>• Diederichs, C., 2006. Immobilienmanagement im Lebenszyklus: Projektentwicklung, Projektmanagement, Facility Management, Immobilienbewertung. Berlin: Springer.</li> <li>• Kallinger, W., Gartner, H. and W. Stingl, 2011. Bauträger &amp; Projektentwickler: Immobilien erfolgreich Entwickeln, Sanieren und Verwerten. Vienna: Manz.</li> <li>• Klaubetz, E. et. al., 2016. Handbuch Immobilienprojektentwicklung. Vienna: Linde.</li> <li>• Schäfer, J. and G. Conzen, 2013. Praxishandbuch der Immobilien-Projektentwicklung. Munich: C.H.Beck.</li> </ul>		
Skills acquisition	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> The students are able to: <ul style="list-style-type: none"> <li>• Understand basic provisions of public building law</li> <li>• Describe the basic contents of a feasibility study</li> <li>• Describe and evaluate methods of market, location and economic analyses and prepare them independently</li> <li>• Evaluate and create simple building and use concepts</li> <li>• Present milestones in the processes of the planning and construction phases</li> <li>• Identify building typologies and analyze and create function-oriented area allocations</li> <li>• Analyze design rules</li> <li>• Reproduce important architectural historical data, characteristics and correlations</li> <li>• Make sketches (2D and 3D) as a basis for communication in the construction sector</li> <li>• Present, analyze and exemplarily apply methods and instruments of real estate marketing</li> <li>• Identify project development tasks and types of project developers, understand the framework conditions of the industry and identify overlaps and connections with other sub-areas of the real estate industry</li> </ul>		
Course contents	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> <ul style="list-style-type: none"> <li>• Public building law (provisions from regional and building regulations)</li> <li>• Fundamentals and application of feasibility studies               <ul style="list-style-type: none"> <li>o Market, location and competition analyses</li> <li>o Use concepts</li> <li>o Profitability analyses</li> <li>o Risk analysis</li> </ul> </li> <li>• Planning and construction processes</li> <li>• Building typologies and room functions</li> <li>• Design fundamentals</li> <li>• Creation of 2D and 3D sketches as basis for communication</li> <li>• Special features, instruments and methods of real estate marketing</li> </ul> <p>20% of the module consists of exercises in small groups.</p>		
Teaching and learning methods	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Development /ILV / Course no.: DEV.1 / 4th semester / ECTS: 9</u> Written exam		

Module number:	Practical Project I	Scope:	
PRX.1		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	4th semester		
Level	4th semester: Introduction and consolidation		
Previous knowledge	4th semester: all contents of the modules from semesters 1, 2 and 3.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Patzak, G., Rattay, G. (2014) Projektmanagement: Leitfaden zum Management von Projekten, Projektportfolios und projektorientierten Unternehmen. Linde.</li> <li>• PMI Institute, 2009. A Guide to the Project Management Body of Knowledge (PMBOK)</li> <li>• Kraus, G. and R. Westermann, 2004. Projektmanagement mit System. Wiesbaden</li> </ul>		
Skills acquisition	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> The students are able to: <ul style="list-style-type: none"> <li>• Independently identify problems and tasks from a given objective</li> <li>• Collect and analyze data independently</li> <li>• Independently develop solutions and present results</li> <li>• Independently acquire specialist knowledge for solving specific problems and implement this knowledge in line with the situation</li> <li>• Name project management methods and apply the structures and processes of a defined project independently using supporting project management tools.</li> <li>• Communicate in a situation-appropriate and personal manner</li> </ul>		
Course contents	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> <ul style="list-style-type: none"> <li>• Fundamentals of project management and application of supporting tools               <ul style="list-style-type: none"> <li>o Project planning (project organization, resource planning with time planning as well as cost, finance and budget planning)</li> <li>o Project management (time management, cost control and accounting, team leadership, quality management for projects)</li> </ul> </li> <li>• 67% of the module consists of independent implementation of a project based on a given objective in small groups. The students are responsible for planning, coordination, budgeting, control, communication and reporting as well as finding solutions. The role of the course leader is focused on coaching the students.</li> </ul>		
Teaching and learning methods	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> Blended learning and problem-based & project-based learning		
Evaluation Methods Criteria	<u>Practical Project I /ILV / Course no.: PRX.1 / 4th semester / ECTS: 6</u> Project and portfolio		

Module number:	Facility Services	Scope:	
SER		5	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of Facility Management (GFM), Fundamentals of the Real Estate Industry (GIM), Selected Topics Business Administration (ECO.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Nävy, J. and M. Schröter, 2013. Facility Services - Die operative Ebene des Facility Managements. Berlin: Springer Vieweg.</li> <li>• Kaiser, C., J. Nusser and F. Schrammel, 2018. Praxishandbuch Facility Management. 1st edition. Wiesbaden: Springer Vieweg.</li> <li>• Brugger-Gebhardt, S., 2016. Understand DIN EN ISO 9001:2015: Interpret the standard safely and implement it meaningfully. 2nd edition. Wiesbaden: Springer Gabler Fachmedien.</li> <li>• Geilhausen, M., Schulze, O., Engelmann, D. and J. Bränzel, 2015. Energiemanagement: Für Fachkräfte, Beauftragte und Manager. Wiesbaden: Springer Vieweg.</li> <li>• Schröder, W, 2010. Ganzheitliches Instandhaltungsmanagement: Aufbau, Ausgestaltung und Bewertung. Wiesbaden: Gabler.</li> </ul>		
Skills acquisition	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Identify Facility Services and their contents</li> <li>• Identify quality levels and different requirements for different property types</li> <li>• Present differences between result-oriented and performance-oriented bills of quantities and services</li> <li>• Create and review Service Level Agreements for Facility Services</li> <li>• Identify requirements and tasks of quality management systems for the various facility services</li> <li>• Define maintenance strategies and select them according to the requirements</li> <li>• Present and analyze relocation processes</li> <li>• Name and analyze various office concepts and land uses and present ergonomic and labor law requirements for workplace design</li> <li>• Create occupancy plans in dependencies of area concepts</li> <li>• Present the contents and processes of energy audits and the energy management system.</li> <li>• Describe the fundamentals of building cleaning and to calculate services</li> <li>• Describe the process of a Computer Aided Facility Management (CAFM) implementation</li> </ul>		
Course contents	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Structure and contents of service level agreements</li> <li>• Basic structure and contents of Facility Services</li> <li>• Structure and procedure of a CAFM implementation</li> <li>• Measurement procedures and certifications in quality management</li> <li>• Energy management with a focus on energy management systems and energy audits</li> <li>• Maintenance management and maintenance strategies</li> <li>• Relocation management and space management with a focus on office space and workplace concepts, space planning, occupancy analyses, ergonomics, accessibility and change management</li> <li>• Basic concepts and calculations in cleaning management</li> </ul>		
Teaching and learning methods	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> Blended Learning		
Evaluation Methods Criteria	<u>Facility Services /ILV / Course no.: SER / 4th semester / ECTS: 5</u> Written exam		

Module number:	Technical Building Facilities I	Scope:	
TEC.3		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Civil Engineering I (TEC.1), Civil Engineering II (TEC.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<p><u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u></p> <ul style="list-style-type: none"> <li>• Recknagel, H., et al., 2018. Taschenbuch für Heizung und Klimatechnik 2019/20. 79th edition. Munich: Oldenbourg</li> <li>• Burkhardt, W. and R. Kraus, 2011. Projektierung von Warmwasserheizungen. 8th edition. Munich: Oldenbourg</li> <li>• Hausladen, G., K. Tichlmann, 2009. Ausbau Atlas - Integrale Planung, Innenausbau, Haustechnik. 1st edition. Munich: Edition Detail</li> <li>• Hausladen, G., et al., 2004. ClimaDesign - Lösungen für Gebäude die mit weniger Technik mehr können. Munich: Callwey Verlag</li> <li>• Daniels, K., 2003. Advanced Building Systems. Munich, Zürich: Birkhäuser</li> <li>• Büttner, W. et al., 2011. Grundlagen der Elektrotechnik, 1st Munich: Oldenbourg</li> <li>• Bumiller, H et al., 2018. Fachkunde Elektrotechnik. Haan-Gruiten: Verlag Europa-Lehrmittel</li> </ul>		
Skills acquisition	<p><u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u></p> <p>In respect of the heating, cooling, ventilation and electrical engineering trades, students are able to:</p> <ul style="list-style-type: none"> <li>• Describe technical building requirements</li> <li>• Analyze and calculate technical solutions in the construction sector and compile them in a preliminary planning phase.</li> <li>• Have professional communication with TGA planners</li> </ul>		
Course contents	<p><u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u></p> <ul style="list-style-type: none"> <li>• Meteorological fundamentals, comfort</li> <li>• Heating and cooling loads</li> <li>• Heating systems: Description and characteristics of the most important components, e.g. heat exchangers, boilers, burners, heat pumps, solar systems, automation equipment</li> <li>• Ventilation technology: Description and characteristics of the most important components, e.g. fans, air heaters and air coolers, air filters, air humidifiers and dehumidifiers, heat recovery, fire protection, automation equipment.</li> <li>• Refrigeration: Description and characteristics of the most important components, e.g. refrigerating machines, recooling plants, cooling ceilings, circulating air cooling units</li> <li>• Electrical engineering: Description and characteristics of the most important components, e.g. distribution, fuses, equipment</li> </ul> <p>The module contains 20% exercises. This form of teaching takes place in small groups.</p>		
Teaching and learning methods	<p><u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u></p> <p>Blended Learning</p>		
Evaluation Methods Criteria	<p><u>Technical Building Facilities I /ILV / Course no.: TEC.3 / 4th semester / ECTS: 6</u></p> <p>Term paper and written exam</p>		

Module number:	Property Valuation	Scope:	
		4	ECTS
VAL			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	4th semester		
Level	4th semester: Introduction		
Previous knowledge	4th semester: Fundamentals of the Real Estate Industry (GIM), Real Estate Investment & Financing (FIN), Selected Topics Business Administration (ECO.2)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Kranewitter, H., 2017. Liegenschaftsbewertung. 7th edition. Vienna: Manz.</li> <li>• Seiser, F., F. Kainz, F., 2011. Der Wert von Immobilien. 1st edition. Graz: Seiser+Seiser Immobilien Consulting.</li> <li>• Bienert, S. and M. Funk, M., et al., 2014. Immobilienbewertung Österreich. Vienna: ÖVI.</li> <li>• Kleiber, W., 2016. Verkehrswertermittlung von Grundstücken. 8th edition. Cologne: Bundesanzeiger Verlag.</li> </ul>		
Skills acquisition	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> The students are able to: <ul style="list-style-type: none"> <li>• Recognize correlations in the valuation procedures and the different types of property</li> <li>• Understand the systematics of real estate valuation</li> <li>• Describe and apply national assessment procedures</li> </ul>		
Course contents	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Fundamentals of property valuation</li> <li>• Procedure and influencing factors of standardized valuation methods (comparative value method, material value method, capitalized earnings value method, DCF method, residual value method)</li> <li>• Introduction to valuation of rights and encumbrances</li> </ul>		
Teaching and learning methods	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> Blended Learning		
Evaluation Methods Criteria	<u>Property Valuation /ILV / Course no.: VAL / 4th semester / ECTS: 4</u> Written exam		



Module number:	Real Estate Management	Scope:	
		4	ECTS
BEW			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	5th semester		
Level	5th semester: Introduction		
Previous knowledge	5th semester: Fundamentals of the Real Estate Industry (GIM), Fundamentals of Facility Management (GFM), Real Estate Development (DEV.1), Facility Services (SER)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Gondring, H. and T. Wagner (Eds.), 2010. Real Estate Asset Management - Handbuch für Praxis, Aus- und Weiterbildung. 1st edition. Munich: Vahlen.</li> <li>• Malloth, T. (Ed.), 2013. Immobilienmanagement Österreich, ÖVI Wien. 5th edition.</li> <li>• Bammer, O., K. Fuhrmann and R. Ledl (Eds.), 2011. Handbuch Immobilienbewirtschaftung. 1st edition. Vienna: Linde.</li> <li>• Pfnür, A. (Ed.), 2011. Modernes Immobilienmanagement, 3rd edition. Munich: Springer.</li> </ul>		
Skills acquisition	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> The students are able to: <ul style="list-style-type: none"> <li>• Describe and apply the fundamentals of building management</li> <li>• Name and apply corporate and public real estate management and real estate asset management activities</li> <li>• Carry out property management activities, identify problem areas and propose solutions</li> <li>• Collect, analyze and evaluate key management indicators</li> </ul>		
Course contents	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> <ul style="list-style-type: none"> <li>• Fundamentals of building management</li> <li>• Management and administration of WGG properties, WE properties, apartment buildings and commercial properties</li> <li>• Real estate asset management</li> <li>• Corporate real estate management</li> <li>• Public real estate management</li> <li>• Key management figures</li> </ul>		
Teaching and learning methods	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> Blended Learning		
Evaluation Methods Criteria	<u>Real Estate Management /ILV / Course no.: BEW / 5th semester / ECTS: 4</u> Written exam		

<b>Module number:</b>	<b>International Facility Management &amp; Real Estate Development</b>	<b>Scope:</b>	
<b>DEV.2</b>	<b>- Project &amp; International Week</b>	<b>12</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: all content from modules 1., 2., 3 and 4. Semesters		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> The literature is based on the project topics dealt with.		
Skills acquisition	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> The students are able to: <ul style="list-style-type: none"> <li>• Create and present ideas and concepts for projects in facility management and/or real estate development with real or realistic tasks and problems.</li> <li>• Work in interdisciplinary, international teams</li> <li>• Reflect internationally on different approaches and possible solutions and derive their own knowledge and skills from them</li> </ul>		
Course contents	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> 2x blocked compact weeks in small groups with international students: <ul style="list-style-type: none"> <li>• Introduction, consolidation, background and examples in the complex of topics of the project within the framework of a conference or introductory event.</li> <li>• Research and analysis of framework conditions and possibilities</li> <li>• Development and visualization of ideas and concepts</li> <li>• Presentation of the results to stakeholders and/or technical experts</li> </ul>		
Teaching and learning methods	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> Problem & project-based learning, excursion, conference participation		
Evaluation Methods Criteria	<u>International Facility Management &amp; Real Estate Development - Project &amp; International Week</u> 2x independent projects from the respective compact weeks		

Module number:	Practical Project II	Scope:	
		5	ECTS
PRX.2			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: Practical project I (PRX.1) and all teaching content from the 1st, 2nd, 3rd and 4th semesters		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> The students are able to build on and deepen their knowledge of the practical project I: <ul style="list-style-type: none"> <li>• Independently identify problems and tasks from a given objective</li> <li>• Collect and analyze data independently</li> <li>• Independently develop solutions and present results</li> <li>• Identify, reflect and transfer examples and approaches from practice and research to solve specific problems</li> <li>• Independently develop expertise to solve specific problems</li> </ul>		
Course contents	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Examples and approaches from practice and research will be presented in lectures by experts as well as excursions to companies and research institutions.</li> <li>• 80% of the module consists of independent implementation of a project based on a given objective in small groups. The students are responsible for planning, coordination, budgeting, control, communication and reporting as well as finding solutions. The role of the course leader is focused on coaching the students.</li> </ul>		
Teaching and learning methods	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> Presentation and problem-based & project-based learning		
Evaluation Methods Criteria	<u>Practical Project II /ILV / Course no.: PRX.2 / 5th semester / ECTS: 5</u> Project		

Module number:	Foreign Language III	Scope:	
		4	ECTS
SPR.3			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	5th semester		
Level	5th semester: Consolidation		
Previous knowledge	5th semester: Foreign Language II		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u></p> <p>The modules are designed according to the Common European Framework of Reference for Languages (CEFR). In the modules, students will acquire the language skills and develop the skills necessary for a business-oriented professional or academic activity.</p> <p>The following competences are taught according to CEFR, i.e. after completion of the module, successful graduates will have mastered the following activities:</p> <p><b>A1 - Beginner</b> Can understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Can introduce him/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and can answer questions of this kind. Can communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p><b>A2 - Basic knowledge</b> Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Can communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Can describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p><b>B1 - Advanced language use</b> Can understand the main points when clear standard language is used and when it comes to familiar matters from work, school, leisure, etc. Can cope with most situations encountered when travelling in the area where the language is spoken. Can express himself/herself simply and coherently on familiar topics and personal areas of interest. Can report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p><b>B2 - Independent use of language</b> Can understand the main contents of complex texts on concrete and abstract topics; also understands technical discussions in his/her own special field. Can communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Can express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p><b>C1 - Expert language skills</b> Can understand a wide range of demanding, longer texts and also grasp implicit meanings. Can express him/herself fluently and spontaneously without having to search for words more often. Can use the language effectively and flexibly in social and professional life or in education and studies. Can express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p><b>C2 - Approximate mother-tongue knowledge</b> Can easily understand practically anything he/she reads or hears. Can summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Can express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>		
Course contents	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u></p> <p>A1 – Beginner</p>		

<p>Course contents</p>	<p>Understand and use familiar everyday expressions and very simple sentences aimed at satisfying specific needs. Introduce himself/herself and others and ask other people questions about him/herself - e.g. where he/she lives, people he/she knows or things he/she has - and answer questions of this kind. Communicate in a simple way if the interlocutors speak slowly and clearly and are willing to help.</p> <p>A2 - Basic knowledge Understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. personal and family information, shopping, work, local area). Communicate in simple, routine situations involving a simple and direct exchange of information on familiar and common matters. Describe with simple language his/her own background and education, immediate environment and things related to immediate needs.</p> <p>B1 - Advanced language use Use clear standard language and communicate on familiar matters from work, school, leisure, etc. Apply relevant conversation skills for travel in the area in which the language is spoken. Express himself/herself simply and coherently on familiar topics and personal areas of interest. Report on experiences and events, describe dreams, hopes and goals and give brief reasons or explanations for plans and views.</p> <p>B2 - Independent use of language Express the main contents of complex texts on concrete and abstract topics; participate in technical discussions in his/her own special field. Communicate so spontaneously and fluently that a normal conversation with native speakers is possible without much effort on both sides. Express himself/herself clearly and in detail on a wide range of topics, explain a point of view on a topical issue and indicate the advantages and disadvantages of different options.</p> <p>C1 - Expert language skills Understand a wide range of demanding, longer texts and also grasp implicit meanings. Express himself/herself fluently and spontaneously without having to search for words more often. Use the language effectively and flexibly in social and professional life or in education and studies. Express himself/herself clearly, in a structured and detailed manner on complex matters, using various means of text linking as appropriate.</p> <p>C2 - Approximate mother-tongue knowledge Effortless communication in all language situations. Summarize information from various written and oral sources, presenting reasons and explanations in a coherent presentation. Express himself/herself spontaneously, very fluently and precisely, and can also make clear finer nuances of meaning in more complex situations.</p>
<p>Teaching and learning methods</p>	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u> Course book - by arrangement; authentic materials, e.g. from English language journals (including specialist journals), newspapers and online media</p>
<p>Evaluation Methods Criteria</p>	<p><u>Foreign Language III /ILV / Course no.: SPR.3 / 5th semester / ECTS: 4</u> The performance and competence of the students in reading comprehension, listening comprehension, written expression, oral expression and the quality of their cooperation (also online) are taken into account for the assessment.</p>

Module number:	Technical Building Facilities II	Scope:	
TEC.4		5	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	5th semester		
Level	5th semester: Introduction and consolidation		
Previous knowledge	5th semester: Technical Building Facilities I (TEC.3)		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Feurich, H. and L. Kühl, 2011. Sanitärtechnik Volumes 1 + 2. 10th expanded edition. Düsseldorf: Krammer Verlag</li> <li>• Hausladen, G., K. Tichlmann, 2009. Ausbau Atlas - Integrale Planung, Innenausbau, Haustechnik. 1st edition. Munich: Edition Detail</li> <li>• Unger, D., 2018. Aufzüge und Fahrtreppen: Ein Anwenderhandbuch (VDI Buch). 3rd edition. Berlin: Springer Vieweg</li> </ul>		
Skills acquisition	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> The students are able to work with sanitary engineering, elevators, escalators, lifting platforms, automatic doors, garage technology, fire alarm systems and safety lighting: <ul style="list-style-type: none"> <li>• Describe technical building requirements</li> <li>• Analyze and calculate technical solutions in the construction sector and compile them in a preliminary planning phase.</li> <li>• Have professional communication with TGA planners</li> </ul>		
Course contents	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> <ul style="list-style-type: none"> <li>• Sanitary Technology: Hot water preparation, water supply, sewage disposal, rainwater</li> <li>• Elevators, escalators, lifting platforms, automatic doors, garage technology, fire alarm systems, safety lighting</li> </ul>		
Teaching and learning methods	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> Blended Learning		
Evaluation Methods Criteria	<u>Technical Building Facilities II /ILV / Course no.: TEC.4 / 5th semester / ECTS: 5</u> Term paper and written exam		

Module number:	International Facility Management & Real Estate Development - Practice, Research & Study Trip	Scope:	
DEV.3		6	ECTS
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	6th semester		
Level	6th semester: Consolidation		
Previous knowledge	6th semester: all contents of the modules from the 1st, 2nd, 3rd, 4th and 5th semesters		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>International Facility Management &amp; Real Estate Development - Practice, Research &amp; Study</u> <ul style="list-style-type: none"> <li>• Thomas, A. (Ed.) (2003). Handbuch Interkulturelle Kommunikation und Kooperation. Bd. 1: Grundlagen und Praxisfelder. Göttingen: Vandenhoeck &amp; Ruprecht</li> <li>• Thomas, A. (Ed.), 2003. Handbuch Interkulturelle Kommunikation und Kooperation. Bd. 2: Grundlagen und Praxisfelder. Göttingen: Vandenhoeck &amp; Ruprecht</li> <li>• Jones, E.: Cultures Merging. Princeton: Princeton University Press</li> </ul> <p>Further literature depends on the respective field trip destination.</p>		
Skills acquisition	<u>International Facility Management &amp; Real Estate Development - Practice, Research &amp; Study</u> <p>The students are able to:</p> <ul style="list-style-type: none"> <li>• Understand and question international developments and their impact on the real estate industry and facility management.</li> <li>• Describe and question current global trends in the industry</li> <li>• Understand and question different approaches to specific problems in the real estate industry and facility management.</li> <li>• Describe dynamics of culture, identity and intercultural encounter</li> <li>• Take a position on values, stereotypes and prejudices</li> <li>• Describe intercultural interaction, communication and conflict skills and apply them in intercultural settings.</li> <li>• Understand intercultural differences and be able to react appropriately to them in the area of Facility &amp; Real Estate Management</li> </ul>		
Course contents	<u>International Facility Management &amp; Real Estate Development - Practice, Research &amp; Study</u> <p>The part-time students must complete an accompanied study trip / trip abroad with a specialist program amounting to 3 ECTS = 75 hours. Within the scope of the study trip / trip abroad, the following contents are taught:</p> <ul style="list-style-type: none"> <li>• Introduction and consolidation to international Best &amp; Real Case projects from the Facility &amp; Real Estate Management practice as well as studies from research within the scope of a trip abroad.</li> <li>• Current research and development topics through participation in international conferences</li> <li>• Research and analysis of international best case projects for Facility &amp; Real Estate Management</li> <li>• Visits to international best case projects for Facility &amp; Real Estate Management</li> <li>• Application of intercultural competences</li> </ul> <p>In addition to the study trip / trip abroad, the following learning contents are part of this module:</p> <ul style="list-style-type: none"> <li>• Definitions &amp; aspects of intercultural competence</li> <li>• Special features of communication, conflicts and cooperation in intercultural context</li> <li>• Active engagement with values &amp; skills such as empathy, change of perspective, communication and conflict skills</li> <li>• Special features and challenges of intercultural projects for Facility &amp; Real Estate Management</li> </ul>		
Teaching and learning methods	<u>International Facility Management &amp; Real Estate Development - Practice, Research &amp; Study</u> <p>Lecture, discussion and excursion</p>		
Evaluation Methods Criteria	<u>International Facility Management &amp; Real Estate Development - Practice, Research &amp; Study</u> <p>Portfolio</p>		

Module number:	Internship	Scope:	
		14	ECTS
PRX.3			
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	6th semester		
Level	6th semester: Consolidation		
Previous knowledge	6th semester: Selected topics Social Competences & Presentation (SOC) and all contents of modules with cross-links to the areas of responsibility of the internship from semesters 1 to 5.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 14</u> <ul style="list-style-type: none"> <li>• Brenner, D., 2007. Schön, dass Sie da sind!: Karrierestart nach dem Studium. Nürnberg: BW Verlag</li> <li>• Cark, T., A. Osterwalder and Y. Pigneur, 2012: Business Model You: Dein Leben - Deine Karriere - Dein Spiel Broschiert. Frankfurt a.M.: Campus Verlag</li> <li>• Wehrle, M., 2019. Career counseling: Menschen wirksam im Beruf unterstützen. Weinheim: Beltz.</li> </ul>		
Skills acquisition	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 14</u> The students are able to: <ul style="list-style-type: none"> <li>• Apply their acquired knowledge in professional practice</li> <li>• Understand processes in the professional environment</li> <li>• Solve problems independently within the scope of professional projects and implement solutions as well as justify them with comprehensible arguments and present results in a clear and goal-oriented way</li> <li>• Successfully use communication at all levels (superiors, colleagues, employees, external partners) to solve problems</li> <li>• Independently develop expertise to solve specific problems</li> </ul>		
Course contents	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 14</u> Part-time students must complete an internship of 8 ECTS = 200 hours. This time can be credited to students working in a specific subject. The following contents will be taught during the internship: <ul style="list-style-type: none"> <li>• Supplementing and deepening the knowledge acquired during the course of study through practical activities and questions of commercial law at an external company. The internship ensures that the students find their way when they start their professional life or when they re-orientate after their studies, and that they gain confidence in the implementation of their acquired knowledge through experience they have already gained.</li> </ul> In addition to the internship, the following teaching and learning contents are part of this module, and are further developed with exercises and supplementary work: <ul style="list-style-type: none"> <li>• Reflection on one's own strengths</li> <li>• Possibilities of self-marketing</li> <li>• Implementation strategies for a personal work-life balance</li> </ul>		
Teaching and learning methods	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 14</u> Blended learning, exercise and internship		
Evaluation Methods Criteria	<u>Internship /BPR / Course no.: PRX.3 / 6th semester / ECTS: 14</u> Portfolio		



<b>Module number:</b>	<b>Bachelor Thesis Seminar</b>	<b>Scope:</b>	
<b>WIS.3</b>		<b>10</b>	<b>ECTS</b>
Degree program	Bachelor Degree Course - Facility & Real Estate Management		
Position in the curriculum	6th semester		
Level	6th semester: Consolidation		
Previous knowledge	6th semester: Scientific & empirical methods (WIS.1), Selected topics academic & empirical methods (WIS.2) and contents from the modules with links to the topic of the Bachelor thesis of semesters 1 to 5.		
Blocked	no		
Participant group	A-levels and/or corresponding previous training, beginners		
Literature recommendation			
Skills acquisition	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> The students are able to: <ul style="list-style-type: none"> <li>• Define a topic independently and formulate a question independently</li> <li>• Present the "state of the art" in the context of the question and, if necessary, critically compare different views</li> <li>• Independently collect, interpret and critically reflect on data with the help of a self-chosen academic methodology, thereby developing and further developing arguments and problem solutions</li> <li>• Present results in a comprehensible manner and according to academic standards in the form of a Bachelor thesis</li> <li>• Organize oneself</li> <li>• Independently prepare and learn knowledge and skills from cross-connections of the course contents for the final Bachelor examination in a systematic manner</li> </ul>		
Course contents	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> <ul style="list-style-type: none"> <li>• Deepening the knowledge of academic work in relation to the independent Bachelor thesis</li> <li>• Visualization of academic results such as posters, video, infographics, etc.</li> <li>• Regular meetings to discuss the current status and progress of the Bachelor thesis with accompanying academic supervision</li> <li>• Information on the Commission Bachelor examination</li> </ul>		
Teaching and learning methods	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> Blended learning and supervision of the Bachelor thesis		
Evaluation Methods Criteria	<u>Bachelor Thesis Seminar /ILV / Course no.: WIS.3 / 6th semester / ECTS: 10</u> Bachelor thesis and visualization of the contents of the academic work		

## 2.4 Internship

The students choose an internship independently. They can draw on the extensive range of internship advertisements offered by the Kufstein University of Applied Sciences. The Director of Studies checks the professional correspondence of the internship activities with the contents of the course and the qualification profiles of the course of studies. Subsequently, the Director of Studies checks whether the internship corresponds to the training objectives of the program and whether the student can be employed according to his/her level of qualification. If these requirements are met, the organizational processing is carried out by the International Relations Office (IRO). A detailed internship guide supports students in organizing their internship semester; students can also contact the IRO and the Director of Studies if they have any questions or need support.

Students must apply for the internship using the form (= job description). The form contains the central data of the student and the internship supervision as well as the goals and the tasks/activities in the company providing the internship. The internship is confirmed or approved by the signatures of the Director of Studies and the internship supervisor.

The student must reflect, document and present the experiences and findings gathered and evaluate the internship. Conversely, the internship supervisor must evaluate the students. The student must prepare an interim report, a final report and a presentation and complete an evaluation form. At the beginning of the internship, he/she will receive an internship guide which lists the points to be worked on. A key requirement is to compare the agreed objectives with the achieved ones. The documentation prepared by the student and the supervisor is evaluated by the Director of Studies. If the achievement of the goals and the adaptation to the qualification level of the student are not guaranteed, the corresponding internship position is excluded for the future. A list and reports on the internships are available to subsequent students via the Moodle teaching platform.

## 2.5 Semester Abroad

The semester abroad is arranged in the 3rd semester of the full-time organizational form. The students deepen their basic knowledge from the first two semesters in business administration and economics as well as in academic and empirical methods. In addition, they acquire competences in communicative processes and presentation. The heterogeneity of the possible teaching contents - which is given by the different partner universities - leads to an individual further development of each individual student within the framework of the curriculum-related broad competence acquisition in the semester abroad. This strengthens and expands individually existing competences and leads to a desired differentiation and individualization of the students in the context of their studies.

In addition to the subject content, the full-time students deepen their knowledge of foreign languages, which they have acquired or expanded in the modules Foreign Language I & II and in the English-language modules. The application of the foreign language knowledge in the university, as well as in daily life, leads to an intensive deepening. In addition, there are competences in intercultural interaction,

communication and conflict resolution. Students are able to understand and question different approaches to specific problems in facility management and the real estate industry. They can describe the dynamics of culture, identity and intercultural encounters and comment on values, stereotypes and prejudices. They also learn about intercultural differences in the energy industry. With this acquisition of competence, students gain the opportunity to gain a professional foothold in an international context and to take on tasks in multinational companies or with international business partners.

The FH Kufstein Tirol has been awarded the Erasmus Charter, which is regarded as a European standard of excellence in supporting student and staff mobility. In addition, the objectives of the Bologna Process on the mutual recognition of diplomas will be fully implemented. The implementation is based on the European Credit Transfer System-ECTS for calculating students' performance and the Diploma Supplement. In these areas the FH Kufstein Tirol was awarded the ECTS Label and the Diploma Supplement Label.

The International Relations Office (IRO) of the FH Kufstein, in cooperation with the degree courses, organizes an information event in the winter semester of each year on the topics of "semesters abroad and internships", as well as the annual "Exchange Fair". The course of studies promotes the exchange of students from different years in order to pass on organizational experiences around the semester abroad. In addition, the IRO and the course team are constantly available for advice.

The part-time students acquire the same curricular knowledge in the 3rd semester. In addition, the module "International Facility Management & Real Estate Development - Practice, Research & Study Trip" in the 6th semester provides intercultural skills. These serve as competences for an international professional career.

### 3 ADMISSION REQUIREMENTS

The admission requirements at the FH Kufstein Tirol are regulated according to the following terms:

1. The general admission requirements are regulated by § 4 FHG as amended; it applies to **persons with a general university entrance qualification**.

2. **Persons without a school-leaving certificate** must take a **university entrance examination** according to § 64 a UG 2002 as amended. These persons acquire the general university entrance qualification for Bachelor studies in a specialization group by passing the university entrance examination in accordance with an ordinance issued by the Rector's Office of a University. The successful completion of the university entrance examination thus entitles the holder to admission to all studies in the specialization group for which the university entrance qualification was acquired. The university entrance examination can be obtained for certain groups of subjects in accordance with an ordinance of the Rector's Office of a university, whereby the following group of subjects is relevant for the FH Kufstein: Social and economic studies (e.g. Business Administration, Economic Education, Statistics, Sociology).

Applicants who have completed a 3-year **vocational, middle school, a training in the dual system** or a **subject-relevant German advanced technical college certificate** obtain the entitlement to study at the FH Kufstein Tirol through additional examinations in the subjects German, English and Mathematics. In the case of the German advanced technical college certificate, the additional examination must only be taken in those of the three subjects in which the grade is "inadequate" or worse. All additional examinations must be passed before the start of the third semester.

3. For **individuals with relevant dual training** the **apprenticeship certificate** in one of the following **special fields** according to the respectively valid announcement of the Federal Ministry of Economics, Family and Youth is valid as an admission requirement:

- Construction
- Banks
- Office, Administration, Organization
- Chemistry
- Electrical Engineering, Electronics
- Trade
- Information and Communication Technologies
- Metal Technology and Mechanical Engineering
- Transport and Storage

4. **Persons with a degree** from one of the relevant **vocational middle schools** listed below may also be admitted:

- Commercial schools (at least two years)
- Vocational, technical and applied arts schools (at least three years)
- Vocational schools for economic professions (at least three years)
- Vocational schools for agricultural and forestry occupations (at least three years)
- Commercial schools (at least three years)

Newly emerging apprenticeships in similar fields must be recognized accordingly.

The **group of persons under numbers 3. and 4.** must complete **additional examinations** by the beginning of the third semester as an entry requirement and, if necessary, take appropriate preparatory courses. This is possible at the FH Kufstein.

The following additional examinations are required for this group of people:

- German
- English
- Mathematics

Below is an overview of which subject area of the German FOS/BOS is the relevant admission requirement. Here, additional examinations must be taken within the first semesters in the subjects Mathematics, German and English (if a grade of "poor" or worse was achieved in these subjects).

**Admission requirements FOS/BOS**

	<b>FMI vzB/bbB</b>
<b>FOS</b>	
- Technology	X
- Economics & Administration	X
- Social Welfare	X
- Agriculture, Biotechnology and Environmental Technology	X
- Design	X
- Health	X
- International Business Studies	X
<b>BOS</b>	
- Technology	X
- Economics & Administration	X
- Social Welfare	X
- Agriculture, Biotechnology and Environmental Technology	X
- Health	X
- International Business Studies	X
In the case of relevant internships (construction, real estate, technology), other disciplines can also be accepted (after consultation with the Director of Studies)	