

## Annex SFB

### Studienfachbeschreibung (subject description, SFB) for the subject Business Information Systems as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Business Management and Economics

Examination regulations version: 2010

Abbreviations used: Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** = lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: **(L)ASPO** = general academic and examination regulations (for teaching-degree programmes), **FSB** = subject-specific provisions, **SFB** = list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions for the modules in this SFB: Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures: Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

**ASPO2007**

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

**17-Aug-2011 (2011-80)**

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	<b>Module title</b>						
	ECTS		Duration	(in semesters)	Method of grading		Module level
	Courses		To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y				
	Method of assessment						
	Only after successful completion of		if applicable				
	Other prerequisites		if applicable				
	Participants and allocation of places		if applicable				
	Additional information		if applicable				
	Referred to in LPO I		if applicable (examination regulations for teaching-degree programmes)				

Compulsory Courses (50 ECTS credits)							
Compulsory Courses Business Sciences (10 ECTS credits)							
12-LA-072-m01	<b>Logistic Concepts and Processes</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written examination (approx. 60 minutes)				
12-LM-072-m01	<b>Operations Research</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written examination (approx. 60 minutes)				
Compulsory Courses Information Management (30 ECTS credits)							
12-GPU-072-m01	<b>Business Processes in different Lines of Business</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		term paper (approx. 20 pages) and presentation (approx. 20 minutes), weighted 2:1				
12-WI-Prak-072-m01	<b>Practical Training in Business Information Systems</b>						
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   graduate
	Courses		This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none"> <li>12-WI-Prak-1-072: P (no information on language and number of weekly contact hours available)</li> <li>10-I-Prak-1-072: P (no information on language and number of weekly contact hours available)</li> </ul>				
	Method of assessment		This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components. <p><b>Assessment component to module component 12-WI-Prak-1-072: Wirtschaftsinformatik Praktikum</b></p> <ul style="list-style-type: none"> <li>10 ECTS credits, method of grading: (not) successfully completed</li> <li>term paper (approx. 20 pages) and presentation (20 minutes)</li> </ul> <p><b>Assessment component to module component 10-I-Prak-1-072: Fortgeschrittenenpraktikum</b></p> <ul style="list-style-type: none"> <li>10 ECTS credits, method of grading: (not) successfully completed</li> <li>completion of project assignment including submission of logs, final talk; length/expenditure of time to be specified at the beginning of the course</li> <li>Other prerequisites: Registration for assessment: Yes, as specified.</li> </ul>				
	other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.				
12-IS-072-m01	<b>Information Systems Analysis and Design</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written examination (approx. 60 minutes)				

12-IU-072-m01	<b>Information Processing within Organizations</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 60 minutes)					
12-WI-Sem-072-m01	<b>Advanced Seminar: Business Information Systems</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		term paper (approx. 20 pages) and presentation (approx. 20 minutes), weighted 2:1					
<b>Compulsory Courses Computer Science (10 ECTS credits)</b>								
10-I-IS-102-m01	<b>Intelligent Systems</b>							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		This module has 4 components; information on courses listed separately for each component. <ul style="list-style-type: none"> <li>10-I-EL-1-092, 10-I-IR-1-092, 10-I-KIWI-1-102, and 10-I-KIWI-2-111: V + Ü (no information on language and number of weekly contact hours available)</li> </ul>					
	Method of assessment		<p>This module has the following 4 assessment components. To pass the module as a whole students must pass two of the four assessment components.</p> <p><b>Assessment in module component 10-I-EL-1-092: eLearning</b></p> <ul style="list-style-type: none"> <li>5 ECTS credits, numerical grading</li> <li>written examination (50 minutes) or oral examination (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)</li> <li>Only after successful completion of module components: Students must take two out of the four module components of this module.</li> </ul> <p><b>Assessment in module component 10-I-IR-1-092: Information Retrieval</b></p> <ul style="list-style-type: none"> <li>5 ECTS credits, numerical grading</li> <li>a) written examination (approx. 50 minutes) or b) oral examination (one candidate each: approx. 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 25 minutes)</li> <li>Only after successful completion of module components: Students must take two out of the four module components of this module.</li> </ul> <p><b>Assessment in module component 10-I-KIWI-1-102: Künstliche Intelligenz 1 für Wirtschaftsinformatiker (Artificial Intelligence 1 for Business Informatics), and in module component 10-I-KIWI-2-111: Künstliche Intelligenz 2 für Wirtschaftsinformatiker (Artificial Intelligence 2 for Business Informatics) :</b></p> <ul style="list-style-type: none"> <li>5 ECTS credits, numerical grading</li> <li>a) written examination (approx. 45 to 50 minutes) or b) oral examination (one candidate each: approx. 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 25 minutes)</li> <li>Additional prerequisites: admission prerequisite to assessment: academic requirements to be met in exercises as specified at the beginning of the course.</li> </ul>					
other prerequisites		By way of exception, additional prerequisites are listed in the section on assessments.						

Compulsory Electives (40 ECTS credits)							
Compulsory Electives Business Sciences (5 ECTS credits)							
12-S&W1-F-082-m01	<b>Competition and Strategy 1</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (approx. 60 minutes)					
12-S&W2-F-082-m01	<b>Competition and Strategy 2</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (approx. 60 minutes)					
12-UBB-072-m01	<b>Financial Statement Analysis and Business Valuation</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (60 minutes)					
12-ALog1-072-m01	<b>Aspects of Logistics 1</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (60 minutes)					
12-RSW-072-m01	<b>Microeconomics III: Welfare Economics - The Market and the State</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (60 minutes)					
12-ALog2-072-m01	<b>Aspects of Logistics 2</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (60 minutes)					

12-RM-MM-072-m01	<b>Risk Management - Methods and Models</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> <li>12-RM-MM-1-072: V (no information on SWS (weekly contact hours) and course language available)</li> <li>12-RM-MM-2-072: V (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p><b>Assessment in module component 12-RM-MM-1-072:</b> Stochastic Models for Risk Analysis</p> <ul style="list-style-type: none"> <li>2 ECTS, Method of grading: numerical grade</li> <li>written examination (60 minutes)</li> </ul> <p><b>Assessment in module component 12-RM-MM-2-072:</b> Financial Reporting and Risk Management</p> <ul style="list-style-type: none"> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (60 minutes)</li> </ul>						
12-Log-Sem-072-m01	<b>Advanced Seminar: Logistics</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	term paper (approx. 20 pages) and presentation (approx. 20 minutes), weighted 2:1						
12-MM-092-m01	<b>Management Methods</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (60 minutes)						
<b>Compulsory Electives Information Management</b>								
12-MUS-101-m01	<b>Mobile and Ubiquitous Systems</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 15 to 20 pages), weighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) or d) completion of programming exercises (as specified)						
	Participants and allocation of places	Number of places: 40. Should the number of applications exceed the number of available places, places will be allocated as follows: Master's students of Wirtschaftsinformatik (Business Information Systems) (120 ECTS credits) will be given preferential consideration when it comes to admission to the courses and assessment in the module component. a) Should, however, the number of applications from Master's students of Wirtschaftsinformatik already exceed the number of available places, places will be allocated according to the total number of ECTS credits achieved so far in the degree subject Wirtschaftsinformatik Master's; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. b) Should the number of available places exceed the number of applications from Master's students of Wirtschaftsinformatik, the remaining places will be allocated by lot to Master's students of Business Management (120 ECTS credits) and Master's students of Economics (120 ECTS credits).						

12-ITA-102-m01	<b>IT and Labor Market</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 60 minutes)					
12-AW11-072-m01	<b>Aspects of Business Information Systems 1</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					
12-AW12-072-m01	<b>Aspects of Business Information Systems 2</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					
12-PSM-092-m01	<b>Process and System Modelling</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					
12-BI-092-m01	<b>Business Intelligence</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					
12-ACSE-092-m01	<b>Adaption and Continuous System Engineering</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 60 minutes)					
	Participants and allocation of places		Number of places: 20. Should the number of applications exceed the number of available places, 15 places will be set aside for Master's students of Business Information Systems. (1) Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. (2) Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated as they become available.					
12-GLP-092-m01	<b>Introduction to Logistical Process Design</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (60 minutes)					

12-RM-KS-092-m01	<b>Risk Management - Concepts and Systems</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> <li>12-RM-KS-1-092: V (no information on SWS (weekly contact hours) and course language available)</li> <li>12-RM-KS-2-092: V (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p><b>Assessment in module component 12-RM-KS-1-092: Risk Management - Concepts</b></p> <ul style="list-style-type: none"> <li>2 ECTS, Method of grading: numerical grade</li> <li>written examination (60 minutes)</li> </ul> <p><b>Assessment in module component 12-RM-KS-2-092: Risk Management - Systems</b></p> <ul style="list-style-type: none"> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (60 minutes)</li> </ul>						
12-BSA-092-m01	<b>Business Service Architecture</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (60 minutes) and management report (approx. 6 pages), weighted 2:1						
12-M-DSS-102-m01	<b>Decision Support Systems</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	The method of assessment will be specified at the beginning of each exercise. a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 15 to 20 pages), weighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or c) completion of programming exercises (as specified)						
12-M-IBS-102-m01	<b>Internet-Based Systems</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	The method of assessment will be specified at the beginning of each exercise. a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 15 to 20 pages), weighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or c) completion of programming exercises (as specified)						
12-M-ISR-102-m01	<b>Information Systems Research</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	The method of assessment will be specified at the beginning of each exercise. a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 15 to 20 pages), weighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or c) completion of programming exercises (as specified)						



Compulsory Electives Computer Science							
10-I-PA-072-m01	<b>program analysis</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (50 minutes) or oral examination (one candidate each: 20 minutes, groups of 2: 25 minutes, groups of 3: 25 minutes)					
10-I-DB2-072-m01	<b>Data bases 2</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (50 minutes) or oral examination (one candidate each: 20 minutes, groups of 2: 25 minutes, groups of 3: 25 minutes)					
Thesis (30 ECTS credits)							
12-WI-MA-072-m01	<b>Master Thesis Business Information Systems</b>						
	ECTS	30	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> <li>12-WI-MA-1-072: no courses assigned</li> <li>10-I-MA-1-072: no courses assigned</li> </ul>					
	Method of assessment	<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component 12-WI-MA-1-072: Master Thesis Business Information Systems</b></p> <ul style="list-style-type: none"> <li>30 ECTS, Method of grading: numerical grade</li> <li>written thesis</li> <li>Language of assessment: German or English</li> <li>Other prerequisites: Registration for assessment on a continuous basis as agreed upon with supervisor. Topic to be selected in consultation with supervisor. Topic to be assigned by examination committee (Section 21 Subsection 3 ASPO (general academic and examination regulations)).</li> </ul> <p><b>Assessment in module component 10-I-MA-1-072: master thesis</b></p> <ul style="list-style-type: none"> <li>30 ECTS, Method of grading: numerical grade</li> <li>written thesis</li> <li>Language of assessment: German or English</li> <li>Other prerequisites: Registration for assessment on a continuous basis as agreed upon with supervisor. Topic to be selected in consultation with supervisor. Topic to be assigned by examination committee (Section 21 Subsection 3 ASPO (general academic and examination regulations)).</li> </ul>					
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.					