Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject
Human-Computer Systems as a Bachelor's with 1 major
with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Faculty of Human Sciences

Responsible: Institute of Human Computer Media

Examination regulations version: 2010

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:

ASPO2009

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

16-Jan-2013 (2013-2)

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	**Module title**						
	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 (118 ECTS credits)							

06-MCI-Einf-101-m01 — **Introduction to Human-Computer Interaction**

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		a) written examination (approx. 75 minutes) and presentation (approx. 10 minutes) and written elaboration (approx. 10 pages, ungraded) or b) written examination (approx. 75 minutes) and written elaboration (approx. 5 pages) and presentation (approx. 15 minutes) Language of assessment: German or English					

10-I-GADS-101-m01 — **Foundations of Algorithms and Data Structures**

ECTS	10	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		a) written examination (80 minutes) or b) oral examination (one candidate each: 20 minutes, groups of 2: 30 minutes, groups of 3: 40 minutes)					
other prerequisites		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).					

06-MCS-Er-gon-101-m01 — **Foundations of Psychological Ergonomics**

ECTS	9	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
Courses		V + V + V (no information on SWS (weekly contact hours) and course language available)					
Method of assessment		written examination (approx. 120 minutes) Language of assessment: German or English					

06-PSY-STAT-092-m01 — **Statistics**

ECTS	12	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. • 06-PSY-STAT-1-092: S + Ü (no information on SWS (weekly contact hours) and course language available) • 06-PSY-STAT-2-092: S + Ü (no information on SWS (weekly contact hours) and course language available)					
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. **Assessment in module component 06-PSY-STAT-1-092:** Statistics 1 Statistics 1 • 6 ECTS, Method of grading: numerical grade • written examination (approx. 120 minutes) **Assessment in module component 06-PSY-STAT-2-092:** Statistics 2 Statistics 2 • 6 ECTS, Method of grading: numerical grade • written examination (approx. 120 minutes)					

10-I-ST-102-m01	**Software Technology**						
	ECTS	10	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. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3.				
	other prerequisites		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).				
	Referred to in LPO I		§ 49 (1) 1. b) Datenbanksysteme und Softwaretechnologie § 69 (1) 1. b) Datenbanksysteme und Softwaretechnologie				
10-I-EPP-101-m01	**Introductory Programming Course**						
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		a) completion of programming exercises and written examination (approx. 75 minutes) or b) completion of programming exercises and oral examination (one candidate each: approx. 15 minutes, groups of 2: 20 minutes, groups of 3: 40 minutes)				
06-MCS-SGP-101-m01	**Selected Areas of Psychology**						
	ECTS	4	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		a) written examination (approx. 75 minutes) or b) written examination (approx. 60 minutes) and ungraded presentation (approx. 20 minutes) Language of assessment: German or English				
06-MCS-SoftE-101-m01	**Software Development**						
	ECTS	15	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 06-MCS-SoftE-1-101: P (no information on SWS (weekly contact hours) and course language available) • 06-MCS-SoftE-2-101: V + Ü (no information on SWS (weekly contact hours) and course language available)				
	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. **Assessment in module component 06-MCS-SoftE-1-101:** Programming Course Interface Development • 10 ECTS, Method of grading: numerical grade • presentation of project results (approx. 20 minutes) • Language of assessment: German or English **Assessment in module component 06-MCS-SoftE-2-101:** Software Quality Software Quality • 5 ECTS, Method of grading: numerical grade • written examination (approx. 75 minutes) • Language of assessment: German or English				

06-MCS-Usab-101-m01	**Usability and Software Ergonomics**						
	ECTS	10	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		presentation (approx. 20 minutes) and project report (approx. 12 pages) Language of assessment: German or English				

06-MCS-Meth-101-m01	**Research Methods**						
	ECTS	7	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. • 06-MCS-Meth-1-101: V + Ü (no information on SWS (weekly contact hours) and course language available) • 06-MCS-Meth-2-101: P (no information on SWS (weekly contact hours) and course language available)				
	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. **Assessment in module component 06-MCS-Meth-1-101:** Research Methods Research Methods • 6 ECTS, Method of grading: numerical grade • a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 10 pages) or c) written examination (approx. 60 minutes) and term paper (approx. 5 pages) • Language of assessment: German or English **Assessment in module component 06-MCS-Meth-2-101:** Experience as a tester or subject in experiments • 1 ECTS, Method of grading: (not) successfully completed • acting as a participant in an experiment				

06-MCS-ICG-101-m01	**Interactive Computer Graphics**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes) Language of assessment: German or English				

06-MCS-MBG-101-m01	**Methods for User-Centered Design**						
	ECTS	10	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		presentation of project results (approx. 20 minutes) and project report (approx. 12 pages) Language of assessment: German or English				

06-MCS-Inst-101-m01	**Instructional Psychology for MCS**						
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written examination (approx. 110 minutes)				

06-MCS-Ak-Tre1-101-m01	**Current Trends of Human-Computer Systems**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		presentation (approx. 20 minutes) with written elaboration (approx. 12 pages) Language of assessment: German or English				

06-MCS-For-sch-101-m01	**Research Topics in Human-Computer Systems**						
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		talk (approx. 30 minutes) Language of assessment: German or English				

Compulsory Electives (30 ECTS credits)
One of the following modules must be taken: MCS-Projekt Psychologie (MCS Project Psychology), MCS-Projekt Informatik (MCS Project Computer Science), MCS-Projekt Interdisziplinär (MCS Project Interdisciplinary).

06-MCS-V1-101-m01	**Specialization MCS 1**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S + V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-V2-101-m01	**Specialization MCS 2**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S + V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-Int-Sy1-101-m01	**Interactive Systems 1**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S + V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-Int-Sy2-101-m01	**Interactive Systems 2**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S + V + Ü (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-TrM-CI-101-m01	**Current Trends in Human-Computer Interaction**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		talk (approx. 30 minutes) and written elaboration (approx. 10 pages) Language of assessment: German or English				

06-MCS-Ac-cUU-101-m01	**Accessibility and Universal Usability**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-VU-sab-101-m01	**Specialisation Usability**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-VU-sEx-101-m01	**Specialisation User Experience**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-VHu-Fa-101-m01	**Specialisation Human Factors**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		Specialisation assessment. Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 75 minutes) and presentation of project results (approx. 15 minutes), b) presentation (approx. 20 minutes) and written elaboration (approx. 5 pages), c) presentation (approx. 20 minutes) and presentation of project results (approx. 20 minutes), d) presentation (approx. 20 minutes) and written examination (approx. 75 minutes), or e) term paper (approx. 10 pages). Language of assessment: German or English				

06-MCS-Ga-meL-101-m01	**Game Lab**						
	ECTS	10	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. • 06-MCS-GameL-1-101: V (no information on SWS (weekly contact hours) and course language available) • 06-MCS-GameL-2-101: R (no information on SWS (weekly contact hours) and course language available)				
	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. **Assessment in module component 06-MCS-GameL-1-101:** Creating Games • 4 ECTS, Method of grading: numerical grade • a) written examination (approx. 60 minutes) or b) written examination (approx. 40 minutes) with exercises (40 hours), weighted 5:1 or c) oral examination of one candidate each (approx. 30 minutes) or d) presentation (15 to 30 minutes) with written elaboration (10 to 15 pages) or e) term paper (15 to 20 pages) or f) portfolio (maximum 20 pages) • Language of assessment: German or English **Assessment in module component 06-MCS-GameL-2-101:** Developing Games • 6 ECTS, Method of grading: numerical grade • talk (approx. 30 minutes) and written elaboration (approx. 10 pages)				

06-MK-MedInf1-MCS-101-m01	**Computer Science in Media 1**						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + T (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		a) written examination (approx. 60 minutes) or b) written examination (approx. 40 minutes) with exercises (40 hours), weighted 5:1 or c) oral examination of one candidate each (approx. 30 minutes) or d) presentation (15 to 30 minutes) with written elaboration (10 to 15 pages) or e) term paper (15 to 20 pages) or f) portfolio (maximum 20 pages) Language of assessment: German or English				

06-MCS-Proj-Psy-101-m01	**MCS Project Psychology**						
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		R (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		report (approx. 15 pages) Language of assessment: German or English				
	Participants and allocation of places		Number of places: 1-5 per group.				

06-MCS-Proj-Info-101-m01	**MCS Project Computer Science**						
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses		R (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		report (approx. 15 pages) Language of assessment: German or English				
	Participants and allocation of places		Number of places: 1-5 per group.				

06-MCS-Proj-Int-101-m01	**MCS Project Interdisciplinary**						
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		R (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		report (approx. 15 pages) Language of assessment: German or English				
	Participants and allocation of places		Number of places: 1-5 per group.				

Thesis (12 ECTS credits)

06-MCS-Thesis-101-m01	**Bachelor's Thesis**						
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		C (no information on SWS (weekly contact hours) and course language available)				
	Method of assessment		written thesis (approx. 30 pages) Language of assessment: German or English				

Subject-specific Key Skills (15 ECTS credits)							
06-MCS-Ex-hib-101-m01	**Exhibition**						
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 06-MCS-Exhib-1-101: Ü (no information on SWS (weekly contact hours) and course language available) • 06-MCS-Exhib-2-101: Ü (no information on SWS (weekly contact hours) and course language available)					
	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. **Assessment in module component 06-MCS-Exhib-1-101:** Exhibition MCS Project • 3 ECTS, Method of grading: (not) successfully completed • presentation of results of project in Human-Computer Systems (approx. 20 minutes) • Language of assessment: German or English **Assessment in module component 06-MCS-Exhib-2-101:** Exhibition Bachelor's Thesis • 2 ECTS, Method of grading: (not) successfully completed • presentation of results of Bachelor's thesis (approx. 15 minutes) • Language of assessment: German or English					
06-MCS-BPrakt-101-m01	**Internship**						
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 2 pages)					