

## Annex SFB

### Studienfachbeschreibung (subject description, SFB) for the subject Human-Computer-Interaction as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Human Sciences  
Responsible: Institute of Human Computer Media

Examination regulations version: 2015  
Examination regulations version: 2015

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:

**ASPO2015**

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

**13-Jul-2015 (2015-23)**

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 (70 ECTS credits)								
10-HCI-RIS-152-m01	Realtime Interactive Systems							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: German and/or English					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-3DUI-152-m01	3D User Interfaces							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: German and/or English					
	Method of assessment		presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-ML-152-m01	Machine Learning							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: German and/or English					
	Method of assessment		presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-MMI-152-m01	Multimodal Interfaces							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: German and/or English					
	Method of assessment		written examination (approx. 90 minutes) or presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-TH-CI-152-m01	HCI Theories							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		written examination (approx. 120 minutes) Language of assessment: German and/or English creditable for bonus					

o6-HCI-METH-152-mo1	Advanced methods of data analysis							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V (2)					
	Method of assessment		written examination (approx. 75 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-SIO-152-mo1	Software in organisations							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) presentation (approx. 30 minutes) with handout (approx. 2 pages) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus					
o6-HCI-MTG-152-mo1	Human-Technology-Society							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) presentation (approx. 30 minutes) with handout (approx. 2 pages) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus					
o6-HCI-Proj-152-mo1	HCI Project							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		Ü (1)					
	Method of assessment		report (approx. 15 pages) Language of assessment: German and/or English creditable for bonus					
o6-HCI-Sem-152-mo1	HCI Seminar							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-Exhib-152-mo1	Exhibition HCI-Project							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (0.5)					
	Method of assessment		presentation of project results (approx. 10 minutes) Language of assessment: German and/or English creditable for bonus					

o6-HCI-BPrakt-152-mo1	Scientific Internship							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (o)					
	Method of assessment		report on practical course (approx. 2 pages) Language of assessment: German and/or English					
	Additional Information		Additional information on module duration: 8 weeks.					
Compulsory Electives (20 ECTS credits)								
o6-HCI-ID1-152-mo1	Interdisciplinary Relations 1							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-ID2-152-mo1	Interdisciplinary Relations 2							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-VH-Cl-1-152-mo1	Specialisation HCI 1							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
o6-HCI-VH-Cl-2-152-mo1	Specialisation HCI 2							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					

10-HCI-AIS1-152-m01	Advanced Interactive Systems							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-AIS2-152-m01	Advanced Interactive Systems 2							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
06-HCI-UM-152-m01	Advanced Usability							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
06-HCI-HF-152-m01	Advanced Human Factors							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
06-HCI-UX-152-m01	Advanced User Experience							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					

10-HCI-In-fo1-152-mo1	Computer Sciences I - Concepts							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-In-fo2-152-mo1	Computer Science II - Theory							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-In-fo3-152-mo1	Computer Sciences III - Application							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-In-fo4-152-mo1	Computer Sciences IV - Praxis							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					
10-HCI-AK-152-mo1	Selected Topics of Computer Science							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (2)					
	Method of assessment		a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 25 minutes) Language of assessment: German and/or English creditable for bonus					

o6-HCI-DTT-152-mo1	Psychological Diagnostics and Test Theory							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) + Ü (2)						
	Method of assessment	written examination (approx. 120 minutes) Modules offered will vary according to resources of research group Differentielle Psychologie, Persönlichkeitspsychologie und Psychologische Diagnostik (Differential Psychology, Personality Psychology and Psychological Diagnosis) at the Institute of Psychology						
	Participants and allocation of places	max. 5 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot.						
o6-HCI-Inst-psy-152-mo1	Advanced Studies in Instructional Psychology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (2)						
	Method of assessment	a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (15 to 45 minutes) with written elaboration (10 to 15 pages) or d) term paper (15 to 20 pages) or e) portfolio (maximum 20 pages) Language of assessment: German and/or English creditable for bonus						
o6-MK-ME2-152-mo1	Methods 2							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (2)						
	Method of assessment	a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (15 to 45 minutes) with written elaboration (10 to 15 pages) or d) term paper (15 to 20 pages) or e) portfolio (maximum 20 pages) or f) completion of exercises on a regular basis (approx. 60 hours) Language of assessment: German and/or English creditable for bonus						
o6-HCI-Tut-152-mo1	Work experience as a research and teaching assistant							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (o)						
	Method of assessment	report (approx. 2 pages)						
Thesis (30 ECTS credits)								
o6-HCI-Ab-schl-152-mo1	HCI Master's Thesis							
	ECTS	30	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	No courses assigned to module						
	Method of assessment	written thesis (approx. 50 to 90 pages) Language of assessment: German and/or English						
	Additional Information	Time to complete: 6 months.						