

Subdivided Module Catalogue for the Subject

Human-Computer-Interaction

as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Examination regulations version: 2013 Responsible: Faculty of Human Sciences Responsible: Institute of Human Computer Media

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Course of Studies - Contents and Objectives

The Master of Human-Computer Interaction is an interdisciplinary course of studies that teaches HCIrelated competencies as well as competencies in computer science and psychology. The course imparts advanced knowledge on the following subjects:

- Programming and programming techniques;
- Software design and analysis;
- Usability management, human factors design and user experience design;
- User interface design of interactive systems;
- Advanced interaction techniques and paradigms;
- Advanced statistical methods;
- Technological foundations of computational systems;
- Interdisciplinary relationships to other fields of application.

Graduates strengthen the following methodological competencies:

- Analytic thinking and planning and the ability to abstract;
- Algorithmic thinking and design;
- Understanding of and the ability to structure complex relationships in research and application;
- Ability to develop and carry out HCI projects in practice;
- Specialised skills in designing experiments and advanced statistics.

Graduates can apply their knowledge and understanding as well as their problem-solving skills to new and unfamiliar situations that lie in a broad or multidisciplinary context relating to their academic field. They can make scientifically-founded decisions and draw conclusions, also on the basis of incomplete or limited information. They can consider and communicate social, scientific and ethical insights that also derive from the application of their knowledge and their decisions. They can independently acquire new knowledge and ability and can carry out independent scientific or applied research projects in a largely self-directed manner. They can take on lead responsibility in a team.

Abbreviations used

Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = project, \mathbf{S} = seminar, \mathbf{T} = tutorial, $\ddot{\mathbf{U}}$ = exercise, \mathbf{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

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

Notes

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 the 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:

ASP02009

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

08-Apr-2013 (2013-3)

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.

The subject is divided into

Abbreviation Module title		ECTS credits	Method of grading	page
Compulsory Courses (70 E	creans	5100115		
06-HCI-Info1-131-m01	Computer Science: Theories, Methods, Application I	5	NUM	12
06-HCI-Inf02-131-m01	Computer Science: Theories, Methods, Application II	5	NUM	13
06-HCI-PSY1-131-m01	Psychology: Theories, Methods, Application I	5	NUM	18
06-HCI-PSY2-131-m01	Psychology: Theories, Methods, Application II	5	NUM	19
06-HCI-Inf03-131-m01	Computer Science: Theories, Methods, Application III	5	NUM	14
o6-HCI-Info4-131-mo1	Computer Science: Theories, Methods, Application IV	5	NUM	15
06-HCI-PSY3-131-m01	Psychology: Theories, Methods, Application III	5	NUM	20
06-HCI-PSY4-131-m01	Psychology: Theories, Methods, Application IV	5	NUM	21
o6-HCI-Proj-131-mo1	HCI-Project	10	NUM	17
06-HCI-Sem-131-m01	HCI Seminar	5	NUM	22
o6-HCI-Exhib-131-mo1	Exhibition HCI-Project	5	NUM	8
o6-HCI-BPrakt-131-mo1	Internship	10	B/NB	6
Compulsory Electives (20 I	CTS credits)	1		
06-HCI-ID1-131-m01	Interdisciplinary Relations 1	5	NUM	10
06-HCI-ID2-131-m01	Interdisciplinary Relations 2	5	NUM	11
06-HCI-UM-131-m01	Usability Management	5	NUM	25
06-HCI-HFD-131-m01	Human Factors Design	5	NUM	9
06-HCI-UXD-131-m01	User Experience Design	5	NUM	26
06-HCI-BS-131-m01	User Interfaces	5	NUM	7
06-HCI-ST-131-m01	Software Technology	5	NUM	23
06-HCI-IS-131-m01	Interactive Systems	5	NUM	16
o6-HCI-Tut-131-mo1	Work experience as a research and teaching assistant	5	B/NB	24
Thesis (30 ECTS credits)	·			
o6-HCI-Abschl-131-mo1	HCI Master's Thesis	30	NUM	5

Module title A				Abbreviation	
HCI Ma	ster's 1	hesis			06-HCI-Abschl-131-m01
Module	Module coordinator Module offered by				
unknov	/n			Institute of Human	Computer Media
ECTS		od of grading	Only after succ. com	pl. of module(s)	
30	r	rical grade			
Duratio		Module level	Other prerequisites		
1 seme		unknown			
Conten	ts				
		nave to individually work ir results using good scie		lem in the field of Hu	uman-Computer Interaction and
Intende	ed learr	ning outcomes			
starting from sc	; from a ientific	definition and motivation publications and prior a	on of research question pproaches. Following	ons and the discussi this they will learn l	vill learn a structured approach on and summery of related work how to develop own concepts ly to evaluate the results.
Course	s (type,	, number of weekly conta	ct hours, language —	if other than Germa	n)
C (no in	format	ion on SWS (weekly cont	act hours) and cours	e language available)
		essment (type, scope, la on on whether module ca			tion offered — if not every seme-
		(approx. 50 pages) ssessment: German or Er	nglish		
Allocat	ion of p	olaces			
Additio	nal info	ormation			
Worklo	ad				
Teachir	ng cycle	9			
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
		ee (1 major) Human-Com	outer-Interaction (201	14)	
Master's degree (1 major) Human-Computer-Interaction (2013)					

Module title					Abbreviation		
Internship				06-HCI-BPrakt-131-m01			
Module	e coord	inator		Module offered by			
unknov	vn			Institute of Human	Computer Media		
ECTS		od of grading	Only after succ. com	pl. of module(s)			
10	(not) s	successfully completed					
Duratio		Module level	Other prerequisites				
1 seme	ster	unknown					
Conten	ts						
science	es and t		ons. This is also true f	or Human-Computer	on-oriented aspects of various Interaction (HCI). This course re- or in the industry.		
Intende	ed lear	ning outcomes					
		nts will learn how potentian will be expected from the		ployments will be ch	naracterized and what kind of		
Course	s (type	, number of weekly conta	ct hours, language —	if other than Germa	n)		
R (no ir	format	tion on SWS (weekly cont	act hours) and cours	e language available	2)		
		sessment (type, scope, la ion on whether module ca			tion offered — if not every seme-		
port on	techni	oort / fieldwork report / re cal course (approx. 2 pag ssessment: German or Ei	ges)	ning / report on prac	ctical course / project report / re-		
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Worklo	ad						
Teachi	Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)							
Module appears in							
	•	ee (1 major) Human-Com		••			
Master	Master's degree (1 major) Human-Computer-Interaction (2013)						

Module title					Abbreviation	
User Interfaces					06-HCI-BS-131-m01	
Module	e coord	inator		Module offered by		
unknov	vn			Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. com		•	
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed leari	ning outcomes				
No info	rmatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language –	· if other than Germa	n)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
ster, in	formati	on on whether module ca	an be chosen to earn	a bonus)	tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examinati	s) or d) term paper (approx. 10 pages) or e) a total of	
Allocat			0			
Additio	nal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master	Master's degree (1 major) Human-Computer-Interaction (2014)					
Master	Master's degree (1 major) Human-Computer-Interaction (2013)					

Module	e title				Abbreviation	
Exhibition HCI-Project					06-HCI-Exhib-131-m01	
Modul	e coord	inator		Module offered by	<u> </u>	
•		f examination committee ne Human-Computer Inte		Institute of Human	Computer Media	
ECTS	<u> </u>	od of grading	Only after succ. con	pl. of module(s)		
5		rical grade		• • • •		
Duratio	on	Module level	Other prerequisites			
1 seme	ster	graduate				
Conten	Its					
science	es. This		iman-computer intera	action (HCI). This cou	nd practical aspects of various urse requires participants to pre- ce setup.	
Intend	ed lear	ning outcomes				
		nts will learn how to prese of an own exhibition boo			ow to plan, design and set-up the stions from the audience.	
Course	s (type	, number of weekly conta	ct hours, language –	- if other than Germa	ın)	
R (no ir	nformat	tion on SWS (weekly cont	act hours) and cours	e language available	2)	
		sessment (type, scope, la ion on whether module ca			tion offered — if not every seme-	
		(approx. 30 minutes) ssessment: German or Er	nglish			
Allocat	ion of p	olaces				
Additio	onal inf	ormation				
Worklo	ad					
Teachi	ng cvcl	e				
	Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Module appears in Master's degree (1 major) Human-Computer-Interaction (2014) Master's degree (1 major) Human-Computer-Interaction (2013)						

Module title Abbreviation				Abbreviation		
Human	Factor	s Design			o6-HCI-HFD-131-mo1	
Module	e coord	inator		Module offered by		
unknov	wn			Institute of Human	Computer Media	
ECTS	*	od of grading	Only after succ. com	pl. of module(s)		
5	nume	rical grade				
Duratio		Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	Its					
No info	rmatio	n on contents available.				
Intend	ed lear	ning outcomes				
No info	ormatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	if other than Germa	n)	
S (no ir	nformat	ion on SWS (weekly cont	act hours) and cours	e language available	2)	
		s essment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	onal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
-						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module	Module appears in					
	Master's degree (1 major) Human-Computer-Interaction (2013)					
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Module title				Abbreviation		
Interdisciplinary Relations 1					06-HCI-ID1-131-m01	
Module	coord	inator		Module offered by		
unknow	'n			Institute of Human	Computer Media	
		od of grading	Only after succ. com	pl. of module(s)		
L	r	rical grade				
Duratio		Module level	Other prerequisites			
1 semes		unknown				
Content						
German	conte	nts available but not tran	slated yet.			
benen k	Compe		tiefen, z.B. Medienko	mmunikation, Wirts	bisherigen im Studium erwor- chaftsinformatik, Interaction De- s, Geographie u.a.	
Intende	d learr	ning outcomes				
German	intend	ded learning outcomes av	vailable but not trans	lated yet.		
grenzen in Bezu	iden W g auf K	issenschafts- und Anwer ommunikation, Kooperat	ndungsgebieten. Sie e tion und Konfliktlösur	entwickeln Kenntnis ng in interdisziplinär		
Courses	s (type,	number of weekly conta	ct hours, language —	if other than Germa	n)	
S (no in	format	ion on SWS (weekly cont	act hours) and course	e language available	2)	
		essment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx.	c) pres 5 houi		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (a	ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocati	on of p	olaces				
Additio	nal info	ormation				
Workloa	ad					
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master'	Master's degree (1 major) Human-Computer-Interaction (2014)					
Master'	s degre	ee (1 major) Human-Com	outer-Interaction (201	.3)		

Module title				Abbreviation		
Interdisciplinary Relations 2					06-HCI-ID2-131-m01	
Module	coord	inator		Module offered by		
unknow	n			Institute of Human	Computer Media	
ECTS		od of grading	Only after succ. com	pl. of module(s)		
5		rical grade				
Duratio		Module level	Other prerequisites			
1 semes		unknown				
Conten						
Germar	i conte	nts available but not tran	islated yet.			
In diese	em Moo	dul werden Bezüge zu Na	chbarwissenschafter	n hergestellt, die die	bisherigen im Studium erwor-	
benen I	Kompe	tenzen erweitern und ver	tiefen, z.B. Medienko	mmunikation, Wirts	chaftsinformatik, Interaction De-	
sign, Te	chniks	oziologie, Psychologie, I	nformatik, Museologi	e, Digital Humanitie	s, Geographie u.a.	
Intende	ed learn	ning outcomes				
Germar	n intend	ded learning outcomes av	vailable but not trans	lated yet.		
Nach d	or Toiln	ahma an diacam Madula	warstahan dia Studi	rondon Broblomsto	llungen und Methoden in den an-	
					se, Fähigkeiten und Fertigkeiten	
		ommunikation, Kooperat				
Course	s (type,	, number of weekly conta	ct hours, language —	if other than Germa	n)	
S (no in	Iformat	ion on SWS (weekly cont	act hours) and course	e language available	2)	
		e ssment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx.	c) pres 5 hou		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocati	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module	Module appears in					
	Master's degree (1 major) Human-Computer-Interaction (2014)					
Master'	Master's degree (1 major) Human-Computer-Interaction (2013)					

Module	Module title Abbreviation					
Computer Science: Theories, Methods, Application I 06-HCI-Info1-131-m01					06-HCI-Info1-131-m01	
Module	e coord	inator		Module offered by		
unknov	wn			Institute of Human	Computer Media	
ECTS		od of grading	Only after succ. con	pl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed lear	ning outcomes				
No info	rmatio	n on intended learning o	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	if other than Germa	an)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
ster, in a) writt ges) or approx	formati en exai c) pres . 5 hou	on on whether module ca mination (approx. 75 min	an be chosen to earn utes) or b) presentati s (approx. 20 minute s or f) oral examinati	a bonus) on (approx. 20 minu s) or d) term paper (ation offered — if not every seme- utes) with handout (approx. 2 pa- (approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master's degree (1 major) Human-Computer-Interaction (2014) Master's degree (1 major) Human-Computer-Interaction (2013)						

Module	Module title Abbreviation					
Computer Science: Theories, Methods, Application II 06-HCI-Info2-131-mo1					06-HCI-Inf02-131-m01	
Module	e coord	inator		Module offered by		
unknov	wn			Institute of Human	Computer Media	
ECTS	1	od of grading	Only after succ. con	pl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed lear	ning outcomes				
No info	rmatio	n on intended learning o	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language –	· if other than Germa	an)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
ster, in a) writt ges) or approx	formati en exa c) pres . 5 hou	on on whether module ca mination (approx. 75 min	an be chosen to earn utes) or b) presentati s (approx. 20 minute s or f) oral examinati	a bonus) on (approx. 20 minu s) or d) term paper (ation offered — if not every seme- utes) with handout (approx. 2 pa- (approx. 10 pages) or e) a total of tes)	
Allocat	ion of _l	olaces				
Additio	onal inf	ormation				
Worklo	ad					
			· · · · · · · · · · · · · · · · · · ·			
Teachi	ng cycl	e				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master's degree (1 major) Human-Computer-Interaction (2014) Master's degree (1 major) Human-Computer-Interaction (2013)						

Module	Module title Abbreviation					
Compu	Computer Science: Theories, Methods, Application III 06-HCI-Info3-131-mo1					
Module coordinator Module offered by						
unknov	vn			Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. con	pl. of module(s)		
5	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed lear	ning outcomes				
No info	rmatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	if other than Germa	an)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
ster, in	formati	on on whether module ca	an be chosen to earn	a bonus)	ation offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examinati	s) or d) term paper (utes) with handout (approx. 2 pa- (approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master's degree (1 major) Human-Computer-Interaction (2014)						
	Master's degree (1 major) Human-Computer-Interaction (2013)					

Module	Module title Abbreviation					
Compu	Computer Science: Theories, Methods, Application IV 06-HCI-Info4-131-m01					
Module	e coord	inator		Module offered by		
unknov	vn			Institute of Human	Computer Media	
ECTS		od of grading	Only after succ. com	pl. of module(s)		
5		rical grade				
Duratio		Module level	Other prerequisites			
1 seme	ster	unknown				
Conten						
No info	rmatio	n on contents available.				
Intend	ed lear	ning outcomes				
No info	ormatio	n on intended learning o	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	if other than Germa	an)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
ster, in a) writt ges) or approx	formati en exa c) pres . 5 hou	ion on whether module ca mination (approx. 75 min	an be chosen to earn utes) or b) presentati s (approx. 20 minute s or f) oral examination	a bonus) on (approx. 20 minu s) or d) term paper (ation offered — if not every seme- utes) with handout (approx. 2 pa- (approx. 10 pages) or e) a total of tes)	
Allocat	ion of _l	places				
Additio	onal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in						
Master	Master's degree (1 major) Human-Computer-Interaction (2014) Master's degree (1 major) Human-Computer-Interaction (2013)					

Module title					Abbreviation	
Interactive Systems					06-HCI-IS-131-m01	
Module coordinator				Module offered by		
holder	of the (Chair of Computer Scienc	e IX	Institute of Comput	er Science	
ECTS		od of grading	Only after succ. com	pl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	unknown				
Conter	Its					
No info	rmatio	n on contents available.				
Intend	ed lear	ning outcomes				
No info	ormatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language –	if other than Germa	n)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
		s essment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examination	s) or d) term paper (a	ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	onal inf	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Modul	e appea	ars in				
Master	's degr	ee (1 major) Human-Com	outer-Interaction (20:	14)		
Master	Master's degree (1 major) Human-Computer-Interaction (2013)					

Module title					Abbreviation	
HCI-Project					06-HCI-Proj-131-m01	
Module coordinator				Module offered by		
unknown				Institute of Human	Computer Media	
ECTS		od of grading	Only after succ. com			
10		rical grade		1		
Duratio	n	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed learı	ning outcomes				
No info	rmatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	· if other than Germa	ın)	
R (no ir	format	ion on SWS (weekly cont	act hours) and cours	e language available	2)	
		e ssment (type, scope, la on on whether module ca			tion offered — if not every seme-	
		. 15 pages) ssessment: German or Ei	nglish			
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
Teachi	ng cycl	9				
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module	e appea	irs in				
Master	's degr	ee (1 major) Human-Com	puter-Interaction (20:	14)		
Master	Master's degree (1 major) Human-Computer-Interaction (2013)					

Psycho	e title				Abbreviation	
Psychology: Theories, Methods, Application I					06-HCI-PSY1-131-m01	
Module	a coord	inator		Module offered by		
holder of the Chair of Psychological Ergonomics			aonomics	Institute of Human		
ECTS		od of grading	Only after succ. cor			
5		rical grade				
Duratio	I	Module level	Other prerequisites	6		
1 seme		graduate				
Conten	ts	<u> </u>	•			
Human-computer interaction is a discipline at the interface between social and computer science. It explores how humans use devices and systems and how the usefulness and the usability of these devices and systems may be enhanced. In the early years of the discipline, the development of theories and models was influenced mainly by theories from the cognitive sciences on perception, motor functions, memory etc. The development in the cognitive sciences, the increasingly international character and rapid technological progress then led to both a specialisation and new theoretical approaches in HCI. This seminar will explore classic as well as new theoreti- cal approaches and methods in HCI trying to find a common framework despite all specialisation and fragmenta-						
tion. Intende	ed lear	ning outcomes	-			
	-	ded learning outcomes a	vailable but not trans	clated yet		
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Module title					Abbreviation					
Psychology: Theories, Methods, Application II					06-HCI-PSY2-131-m01					
Module coordinator				Module offered by						
holder of the Chair of Psychological Ergonomics			gonomics	Institute of Human	Computer Media					
		od of grading	Only after succ. com		1					
î		rical grade								
Duratio	n	Module level	Other prerequisites							
1 semes	ster	graduate								
Content	ts									
analysis and mul factor a	Descriptive statistics, correlations and the comparison of two or several mean values are basic methods of data analysis. This course will acquaint students with advanced statistical methods such as repeated-measures one and multiple-way analysis of variance, process and conjoint analysis, and exploratory as well as confirmatory factor analysis. Each session will include examples of applications and will provide students with an insight in- to the numerous capabilities of different methods of data analysis. At the end of the semester, students will sit a									
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Addition	Additional information									
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Psychology: Theories, Methods, Application III O6-HCL-PSY3-131-m01 Module coordinator Module coordinator Module coordinator Module coordinator Module freed by Institute of Human Computer Media CCTS Method of grading OILy after succ. compL of module(s) Institute of Human Computer Media CCTS Interficial grade - Contents To productivity paradox suggests that an increase in investment in information technology leads to hardly any noticeable increase in the overall level of productivity of a business. This is not true, however, if the focus is on investment in humans, When introducing standard software in organisations, there are numerous aspects to be considered. This module will focus on three areas: usability management during the introduction of software, the planning of user training courses, and organisational change management. Using the example of the introduction of enterprise resource planning (ERP) systems such as SAP software, this module will discuss procedures and success factors. Intended learning outcomes German intended learning outcomes available but not translated yet. Nach der Teilnahme an diesem Modul können die Studierenden die Schritte bei der Einführung von Software in Organisatione benennen und den Prozess beim Usability Management, Planung und Durchführung von Benut- zerschulungen und Organisationales Change Management, zusammenfassen. Des weiteren sind sie in der Lage die nötigen Schritte des Prozesses vorzubereiten und zu planen bzw. können sie existierende Prozesse prüfen, anpassen und gri, verbessern. Courses (type, number of weekly contact hours, language — if other than German) S (no information on SWS (weekly contact hours, language — if other than German) S (no information on SWS (weekly contact hours, language — if other than German) A (the examination of proze. Sominutes) or b) presentation (approx. 2 minutes) a) writte examination of proze. Sominutes) or d) term paper (approx.) to pages) or e) a total of approx. hours of completing exercises or f) oral examination (approx. 2 minu	Module title					Abbreviation
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	Worklo	ad				
Referred to in LPO I (examination regulations for teaching-degree programmes)	Teachin	ng cycl	e			
Referred to in LPO I (examination regulations for teaching-degree programmes)						
	Referre	d to in	LPOI (examination regu	lations for teaching-c	legree programmes)	
					<u> </u>	
Module appears in	Module	appea	urs in			
Master's degree (1 major) Human-Computer-Interaction (2013)	Master'	s degr	ee (1 major) Human-Comj	outer-Interaction (201	13)	

	Module title				Abbreviation
Psychology: Theories, Methods, Application IV					06-HCI-PSY4-131-m01
Module coordinator				Module offered by	
		Chair of Psychological Erg	gonomics	Institute of Human	Computer Media
ECTS	1	od of grading	Only after succ. con		
5	nume	rical grade		•	
Duratio	on	Module level	Other prerequisites		
1 seme	ester	unknown			
Conter	nts				
No info	ormatio	n on contents available.			
Intend	ed lear	ning outcomes			
No info	ormatio	n on intended learning o	utcomes available.		
Course	es (type	, number of weekly conta	ict hours, language –	- if other than Germa	an)
S (no i	nformat	tion on SWS (weekly cont	act hours) and cours	e language available	e)
 Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus) 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) 					
approx	k. 5 hou	entation of project result rs of completing exercise	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua	k. 5 hou	entation of project result rs of completing exercise ssessment: German or E	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua	k. 5 hou age of a	entation of project result rs of completing exercise ssessment: German or E	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat	k. 5 hou age of a tion of j	entation of project result rs of completing exercise ssessment: German or E	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat	k. 5 hou age of a tion of j	entation of project result rs of completing exercise ssessment: German or E blaces	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat	k. 5 hou age of a tion of J onal inf	entation of project result rs of completing exercise ssessment: German or E blaces	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat Additio	k. 5 hou age of a tion of J onal inf	entation of project result rs of completing exercise ssessment: German or E blaces	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat Additio Worklo	k. 5 hou age of a tion of J onal inf	entation of project result rs of completing exercise ssessment: German or E blaces ormation	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat Additio Worklo	x. 5 hou age of a tion of p onal inf oad	entation of project result rs of completing exercise ssessment: German or E blaces ormation	s (approx. 20 minute s or f) oral examinati	es) or d) term paper ((approx. 10 pages) or e) a total of
approx Langua Allocat Worklo Teachi 	k. 5 hou age of a tion of J onal inf oad	entation of project result rs of completing exercise ssessment: German or E blaces ormation	s (approx. 20 minute s or f) oral examinati nglish	es) or d) term paper (on (approx. 25 minu	(approx. 10 pages) or e) a total of tes)
approx Langua Allocat Worklo Teachi 	k. 5 hou age of a tion of J onal inf oad	entation of project result rs of completing exercise ssessment: German or E blaces ormation	s (approx. 20 minute s or f) oral examinati nglish	es) or d) term paper (on (approx. 25 minu	(approx. 10 pages) or e) a total of tes)
approx Langua Allocat Morklo Teachi Referro	k. 5 hou age of a tion of J onal inf oad	entation of project result rs of completing exercise ssessment: German or E blaces ormation e LPO I (examination regu	s (approx. 20 minute s or f) oral examinati nglish	es) or d) term paper (on (approx. 25 minu	(approx. 10 pages) or e) a total of tes)

Module title					Abbreviation		
HCI Seminar					o6-HCI-Sem-131-mo1		
Module coordinator				Module offered by			
unknov	· · · · · ·			Institute of Human	Computer Media		
ECTS		od of grading	Only after succ. com	pl. of module(s)			
5	<u> </u>	rical grade					
Duratio		Module level	Other prerequisites				
1 seme		graduate					
the scie pical so During will hav stions a larger a Intende	entific r cientific the cou ve to fin and/or audienc ed learr re cours	nedia (conference proced research work with a sp urse, students will have to d relevant publications, categories of the current e. hing outcomes se, the participants will h	edings, journals, boo ecific focus on topics o work on one specifi read the publications state-of-the-art. They ave a solid understar	ks, etc.). This course from the field of hun c topic as a preparat and analyze them g have to summarize	ted work typically published in is an advanced course about ty- man-computer interaction (HCI). tion for their master thesis. They given some defined research que- and present their findings to a t aspect of typical research work.		
They wi marize			entific publications, h	ow to extract relevar	nt information, and how to sum-		
Course	s (type,	number of weekly conta	ct hours, language —	if other than Germa	n)		
S (no ir	nformat	ion on SWS (weekly cont	act hours) and cours	e language available	2)		
		essment (type, scope, la on on whether module ca			tion offered — if not every seme-		
ges) or approx	c) pres . 5 houi		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (a	tes) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)		
Allocat	ion of p	olaces					
Additio	nal info	ormation					
Worklo	ad						
Teaching cycle							
Referre	d to in	LPOI (examination regu	lations for teaching-c	legree programmes)			
Module	e appea	rs in					
	-	ee (1 major) Human-Com		•			
Master	Master's degree (1 major) Human-Computer-Interaction (2013)						

Module title					Abbreviation	
Software Technology					06-HCI-ST-131-m01	
Module coordinator				Module offered by		
unknov	wn			Institute of Human	Computer Media	
ECTS		od of grading	Only after succ. com	pl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intend	ed learı	ning outcomes				
No info	ormatio	n on intended learning ou	utcomes available.			
Course	s (type	, number of weekly conta	ct hours, language —	· if other than Germa	n)	
V + Ü +	S (no i	nformation on SWS (wee	kly contact hours) an	d course language a	vailable)	
		s essment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examination	s) or d) term paper (a	ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	onal info	ormation				
Worklo	ad					
Teachi	ng cycl	e				
Referre	ed to in	LPOI (examination regu	lations for teaching-o	legree programmes)		
Module	e appea	irs in				
Master	's degr	ee (1 major) Human-Com	outer-Interaction (20:	14)		
Master	Master's degree (1 major) Human-Computer-Interaction (2013)					

Module title					Abbreviation		
Work experience as a research and teaching assistant					06-HCI-Tut-131-m01		
Module coordinator				Module offered by	<u>,</u>		
chairp	erson o	f examination committee	e of the Master's de-	Institute of Human	Computer Media		
gree p	rogram	me Human-Computer Inte	eraction				
ECTS		od of grading	Only after succ. con	npl. of module(s)			
5	(not)	successfully completed					
Durati	on	Module level	Other prerequisites				
1 seme	ester	graduate					
Conter	nts						
lor pro	ogram N sks will	lensch-Computer System	e (MCS) and/or the m	naster program Hum	stants) in the scope of the bache an-Computer Interaction (HCI). y associated with academic work		
Intend	led lear	ning outcomes					
king as scienti	s a rese ific wor	arch assistant, participa	nts will gain first-han	d as well practical ex	ts may face during learning. Wor- perience on the methodology of		
		tion on SWS (weekly cont					
		•			tion offered — if not every seme-		
		ion on whether module c			,		
report	(approx	k. 2 pages)					
Alloca	tion of	places					
Additio							
AQQI() 							
 Workle	oad						
	oad						
 Worklo	oad ing cycl	e					
 Worklo		e					
 Worklo Teachi 	ing cycl		llations for teaching-	degree programmes)			
 Worklo Teachi 	ing cycl	e LPOI (examination regu	lations for teaching-	degree programmes)			
 Worklo Teachi Referro	ing cycl ed to in	LPOI (examination regu	llations for teaching-o	degree programmes)			
 Worklo Teachi Referro Modul	ing cycl ed to in le appea	LPOI (examination regu					

Module title					Abbreviation	
Usability Management					06-HCI-UM-131-m01	
Module	coord	inator		Module offered by		
unknown			Institute of Human Computer Media			
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)		
5	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	graduate				
Conten	ts					
Germar	n conte	nts available but not tran	slated yet.			
Gestalt Anwen	ung vo dungsb	n Mensch-Computer-Syst	emen entlang der Kri aus der industriellen	terien Effektivität, Ef	pility Forschung gelehrt, also der fizienz und Zufriedenstellung. hrzeug- und Bürobereich, aber	
		ning outcomes				
		ded learning outcomes av	vailable but not trans	lated yet.		
den un ren, um sie die	d Domä 1 Frage: Vor- ur	änen und sind in der Lage stellungen aus dem Berei	e selbst Benutzungss ich der Mensch-Syste er Methoden abschät	chnittstellen zu gest m Interaktion zu unt	n ausgewählter Usability Metho- calten sowie Studien durchzufüh- tersuchen. Des weiteren können Studien sowie Gestaltungslö-	
		, number of weekly conta		· if other than Germa	n)	
		tion on SWS (weekly cont				
		sessment (type, scope, la ion on whether module ca			tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (a	ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
Teaching cycle						
Referre	d to in	LPOI (examination regu	lations for teaching-c	legree programmes)		
Module	e appea	ars in				
Master	's degr	ee (1 major) Human-Com	outer-Interaction (201	13)		

Module title					Abbreviation	
User Experience Design					o6-HCI-UXD-131-mo1	
Module	e coord	inator		Module offered by		
unknov	vn			Institute of Human	Computer Media	
ECTS	· · · · · · · · · · · · · · · · · · ·	od of grading	Only after succ. com	pl. of module(s)		
5	nume	rical grade				
Duratio		Module level	Other prerequisites			
1 seme	ster	unknown				
Conten	ts					
No info	rmatio	n on contents available.				
Intende	ed learn	ning outcomes				
No info	rmatio	n on intended learning ou	utcomes available.			
Course	s (type,	, number of weekly conta	ct hours, language —	if other than Germa	n)	
S (no ir	nformat	ion on SWS (weekly cont	act hours) and cours	e language available	a)	
		e ssment (type, scope, la on on whether module ca			tion offered — if not every seme-	
ges) or approx	c) pres . 5 hou		s (approx. 20 minute s or f) oral examinatio	s) or d) term paper (ites) with handout (approx. 2 pa- approx. 10 pages) or e) a total of tes)	
Allocat	ion of p	olaces				
Additio	nal info	ormation				
Worklo	ad					
Teaching cycle						
Referre	d to in	LPOI (examination regu	lations for teaching-o	legree programmes)		
Module	e appea	rs in				
		ee (1 major) Human-Com	puter-Interaction (201	13)		