

Module Catalogue

for the Subject

Human-Computer-Interaction

as a Bachelor's with 1 major with the degree "Bachelor of Science" (180 ECTS credits)

Examination regulations version: 2024 Responsible: Faculty of Human Sciences Responsible: Institute of Human Computer Media Responsible: Faculty of Mathematics and Computer Science Responsible: Institute of Computer Science

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Thesis Bachelor's Thesis Human-Computer Interaction 60 ₆₁



The subject is divided into

section / sub-section	ECTS credits	starting page
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Content and Objectives of the Programme

The bachelor's degree in Human-Computer-Interaction is offered by the Faculty of Human Sciences (Institute of Human Computer Media) together with the Faculty of Mathematics and Computer Science (Institute of Computer Science) at JMU as a basic-oriented cooperative course leading to the degree "Bachelor of Science" (B.Sc., 180 ECTS credits) as part of a consecutive Bachelor's and Master's study program. The degree of Bachelor of Science represents a first professional qualification.

The aim of the Human-Computer Interaction course is to impart skills for the systematic analysis, development, testing and optimization of interfaces between computer systems and their human users. The course is interdisciplinary and combines concepts, methods, theories and techniques, particularly from psychology and computer science, with subject-specific skills in human-computer interaction. A particular focus is on the development and testing of interactive and multimedia human-computer

interfaces and their optimization with regard to usability and user experience.

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:

ASPO2015

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

16-May-2024 (2024-63)

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.



Compulsory Courses

(138 ECTS credits)

Modul	e title				Abbreviation
Founda	ations o	of Human-Computer-In	teraction		06-HCI-B-GLHCI-242-m01
Modul	e coord	inator		Module offered b	ру
holder	ofthe	Chair of Computer Scie	ence IX	Institute of Huma	an Computer Media
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites	5	
1 seme	ster	undergraduate			
Conter	nts				
Intend	ed lear	ning outcomes			
Course	S (type, r	number of weekly contact hou	rs, language — if other than Ge	rman)	
V (3) +	• •	tin. Composed / se F	adich		
		t in: German and/or Er			
		Sessment (type, scope, lan ole for bonus)	guage — if other than German,	examination offered — i	f not every semester, information on whether
c) oral If anno examir prox. 1 Langua	examin ounced nation o 5 minut	by the lecturer at the b of one candidate each tes per candidate). ssessment: German a	e each (30 to 60 minute beginning of the course, (approx. 20 minutes) or	the written exami	ination may be replaced by an oral ion in groups of 2 candidates (ap-
Allocat	tion of _l	places			
Additio	onal inf	ormation			
Worklo	ad				
150 h					
Teachi	ng cycl	e			
		e: only in winter semes			
	ed to in	LPO I (examination regulat	ions for teaching-degree progra	ammes)	
 Modula	e appea	arc in			
		115111			

Module	e title				Abbreviation
Founda	tions o	f Psychological Ergonom	nics		o6-HCI-B-GLPE-242-mo1
Module	e coord	inator		Module offered by	
holder	of the (Chair of Psychological Erg	gonomics	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	n	Module level	Other prerequisites	i	
1 seme	ster	undergraduate			
Conten	ts				
on, dec physica demon on, gen	ision-n al ergor stratior ieral de	naking), cognitive ergono nomics (anthropometry, b ns and small experiments	omics (design of disp biomechanics). The b s and using practical n-machine interactio	lays and controls, au asics are illustrated examples from hum	on processing, memory, attenti- utomation, mental workload) and and deepened by carrying out an-machine interaction. In additi- ne findings of general psychology
Intende	ed learı	ning outcomes			
produc	e speci	fic findings from general	psychology and cogi	nitive and physical e	ist skills. They will be able to re- rgonomics. They can apply this xisting technical systems.
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ge	rman)	
V (2) + Module	• •	t in: German and/or Engl	ish		
		s essment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether
	ge of a	nation (approx. 90 minut ssessment: German and, bonus			
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teachiı					
		e: only in winter semester			
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	ammes)	
Module					
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	2024)	

Module	e title				Abbreviation
Introdu	iction t	o Programming (HCI)			10-HCI-B-EinP-242-m01
Module	e coord	inator		Module offered by	I
holder	of the (Chair of Computer Scienc	e ll	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
the pro apply t	gramm he theo		++ as well as an excu	rsus on scripting lan	theory with practical examples in guages. In the exercise, students va programs.
After pa	articipa			•	l, small to medium-sized, high- apply them.
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) +	Ü (2)				
		sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether
lf anno examin	unced ation c 5 minut	of one candidate each (ap es per candidate).	inning of the course,		tion may be replaced by an oral n in groups of 2 candidates (ap-
Allocat	ion of p	olaces			
Additio	onal inf	ormation			
Worklo	ad				
150 h					
Teachi	ng cycl	e			
Teachi	ng cycle	e: only in winter semeste	r		
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	
Module	e appea	ars in			
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	.024)	

Module	title				Abbreviation
Statisti	CS 1				06-HCI-B-STAT-1-242-m01
Module	coord	inator		Module offered by	
holder thods	of the F	Professorship of Psycholo	ogical Research Me-	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)	
5	nume	rical grade			
Duration Module level Other prerequisites					
1 semester undergraduate					
Conten	ts				
interval data se cal data	ls, theo ts, test a analy	ry of Null hypothesis tests s of equivalence, conting	ting, parametric and gency table analysis, utational procedures	nonparametric meth analysis of variance)	timation principles, confidence ods for univariate and bivariate). After the principles of statisti- ed data analysis are trained with
Intende	ed learr	ning outcomes			
lect ade	equate		esting empirical ques	tions e.g. from evalu	tions as well as the ability to se- lation research, perform these
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)	
S (4) + I Module		t in: German and/or Engl	ish		
		essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
	ge of a	nation (approx. 120 minu ssessment: German and, bonus			
Allocat	ion of p	olaces			
Additio	nal info	ormation			
Worklo	ad				
150 h					
Teachir					
· · · · · · · · · · · · · · · · · · ·		e: every semester			
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
Module			moutor Interaction (a	(024)	
Dachell	u s ueg	gree (1 major) Human-Co	inputer-interaction (2	.024)	

Modul	e title				Abbreviation
Founda	ations A	Algorithms and Data Stru	ctures (HCI)		10-HCI-B-GADS-242-mo1
Modul	e coord	inator		Module offered by	
Dean o	of Studi	es Informatik (Computer	Science)	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
10	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ester	undergraduate			
Conter	nts				
		alysis of algorithms, rec trees, graphs, basic gra			ods, data structures, abstract da-
Intend	ed lear	ning outcomes			
studen	its knov		the design of algorith	nms and are able to	isely and to analyze them. The apply them to practical programs rove their correctness.
Course	S (type, r	number of weekly contact hours,	anguage — if other than Gei	rman)	
V (4) +	Ü (2)				
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether
lf anno examir prox. 1	unced nation c	of one candidate each (ar es per candidate).	inning of the course,		tion may be replaced by an oral in groups of 2 candidates (ap-
Allocat	tion of p	olaces			
Additio	onal inf	ormation			
Worklo	oad				
300 h					
Teachi	ng cycl	e			
Teachi	ng cycle	e: only in winter semeste	r		
Referre	ed to in	LPOI (examination regulation	s for teaching-degree progra	immes)	
Modul	e appea	urs in			
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	2024)	

Module	title				Abbreviation
Statisti	cs 2				o6-HCI-B-STAT-2-242-mo1
Module	e coord	inator		Module offered by	
holder thods	of the F	Professorship of Psycholo	ogical Research Me-	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 semester undergraduate					
Conten	ts				
interval data se cal data	ls, theo ts, test a analy	ory of Null hypothesis test is of equivalence, conting	ting, parametric and gency table analysis, utational procedures	nonparametric meth analysis of variance)	timation principles, confidence ods for univariate and bivariate). After the principles of statisti- ed data analysis are trained with
Intende	ed learı	ning outcomes			
lect ade	equate		esting empirical ques	tions e.g. from evalu	tions as well as the ability to se- ation research, perform these
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
S (4) + Module		t in: German and/or Engl	ish		
		s essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
	ge of a	nation (approx. 120 minu ssessment: German and, bonus			
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teachir	ıg cycl	e			
Teachir	ng cycle	e: every semester			
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
Module					
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	024)	

Modul	e title				Abbreviation
Softwa	are Tech	nology (HCI)			10-HCI-B-ST-242-m01
Modul	e coord	inator		Module offered by	<u> </u>
Dean c	of Studi	es Informatik (Computer	Science)	Institute of Human	Computer Media
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ester	undergraduate			
Conter	nts				
and ob fied pr	oject-rel	ational mapping, basics agile software developme	of web programming	(HTML, XML), softwa	r interfaces, basics of databases are development processes, uni- ice.
Intend	ed lear	ning outcomes			
The stu	udents	possess basic and theore	etical and practical kr	nowledge to design a	and develop software systems.
Course	es (type, r	number of weekly contact hours, l	anguage — if other than Ger	rman)	
V (2) + Modul	• • •	t in: German and/or Engl	ish		
		Sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether
lf anno examir prox. 1	ounced nation o	of one candidate each (ar tes per candidate).	inning of the course,		tion may be replaced by an oral in groups of 2 candidates (ap-
	tion of _l				
	1				
Additio	onal inf	ormation			
Worklo	oad				
150 h					
Teachi	ng cycl	e			
Teachi	ng cycl	e: only in summer semes	ter		
Referre	ed to in	LPOI (examination regulation	s for teaching-degree progra	mmes)	
Modul	e appea	ars in			
Bachel	lor's de	gree (1 major) Human-Co	mputer-Interaction (2	.024)	

Module	title				Abbreviation			
Introdu	ctory F	Programming Course (HC)		10-HCI-B-EPP-242-m01			
Module	coord	inator		Module offered by				
Dean of Studies Informatik (Computer Science)			Science)	Institute of Human	Computer Media			
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)				
5	(not) s	successfully completed						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate						
Conten	ts							
	ns. Dur	ing the internship, stude			nedium sized, high quality Java ntly. Regular tutorials support			
Intende	ed leari	ning outcomes						
		ting in the module cours va programs.	es, students will be a	ble to independently	y develop small to medium sized,			
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)				
P (3)								
		s essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether			
minute: If annot	s) unced	by the lecturer at the beg	inning of the course,	the written examina	examination (approx. 60 to 120 tion may be replaced by an oral			
		es per candidate).	prox. 20 minutes) or	an oral examination	in groups of 2 candidates (ap-			
Allocat	ion of p	olaces						
Additio	nal inf	ormation						
Worklo	ad							
150 h								
Teachir	ng cycl	e						
Teachir	ng cycle	e: every semester						
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)				
Module	appea	ars in						
Bachelo	or's de	gree (1 major) Human-Co	mputer-Interaction (2	.024)				

Module	title				Abbreviation			
Selecte	ed Area	s of Psychology			o6-HCI-B-SGP-242-mo1			
Module	coord	inator		Module offered by				
holder	of the (Chair of Psychological Erg	gonomics	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	undergraduate						
Conten	ts							
sub-as and Orរ្	pects: l ganizat	Emotional and Motivatior	nal Psychology, Socia exercise, examples a	l Psychology, Persor	lamentals of psychology in the nality and Differential Psychology, knowledge can be applied or re-			
Intende	ed lear	ning outcomes						
psycho evaluat	logy ar	nd to delineate the individ	dual sub-aspects. Fur	thermore, the stude	e basics of the sub-aspects of nts are able to recognize and he exercise enables the students			
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)				
V (2) + Module		t in: German and/or Engl	ish					
		sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether			
	ge of a	nation (approx. 90 minut ssessment: German and, bonus						
Allocat	ion of p	olaces						
Additio	nal inf	ormation						
Worklo	ad							
150 h								
Teachir	ıg cycl	е						
Teachir	ng cycle	e: only in summer semest	ter					
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				
Module								
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	024)				

Develo	e title				Abbreviation	
	opment	of Graphical User Interfa	aces		10-HCI-B-SPSE-242	2-m01
Modul	e coord	inator		Module offered by	l	
holder	of the (Chair of Computer Science	ce IX	Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
10	nume	rical grade	10-HCI-B-EinP and 1	o-HCI-B-EPP		
Duratio	on	Module level	Other prerequisites	;		
1 seme	ester	undergraduate		utcomes of the follow erefore strongly reco	-	•
Conter	nts					
one of progra applica cussio red tec	many s mming. ation's ns supp chnolog	ure design, programmin oftware development mo This course involves the graphical user interface port the student groups i ies and activities as well rrent well-established ap	ethodologies, like Scr e development of a no 's of central importan n increasing their tea as organising the ove	rum, waterfall, iterati on-trivial application ce. Along the way, p mwork efficiency, fa erall project. The tec	on, V-shaped, spira by a group of 4-5 st resentations, exerci miliarising themselv hnologies utilised a	I or Extreme udents. The ses and dis- ves with requ
Intend	ed lear	ning outcomes				
course dents l selves ming s	e "Softw how to g with ne kills (w	communication of expe arepraktikum Schnittste gather, analyse, specify w software technologies hich are a prerequisite for number of weekly contact hours,	llenentwurf" ("Program and validate software and frameworks. In a pr participation in this	mming Course Interf requirements and to addition, students w course) during the	ace Development") o independently fan ill enhance their ba	will teach stu niliarise them sic program-
Ü (4)			language — If other than Gel	lilidii)		
		t in: German and/or Eng	lish			
Metho		t in: German and/or Eng sessment (type, scope, langua le for bonus)		examination offered — if no	ot every semester, informa	tion on whether
Metho ^{module i} presen Langua	is creditab	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho ^{module i} presen Langua credita	is creditab Itation o age of a	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho ^{module i} presen Langua credita	is creditab Itation o age of a able for	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat	is creditab Itation of age of a able for tion of j	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat	is creditab Itation of age of a able for tion of j	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus blaces	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Additic	is creditab Itation of age of a able for tion of j onal inf	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus blaces	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Additio	is creditab Itation of age of a able for tion of j onal inf	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus blaces	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Additio Worklo 300 h	is creditab Itation of age of a able for tion of j onal inf	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus blaces ormation	age — if other than German, 	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Additio Worklo 300 h Teachi	is creditab Itation (age of a able for tion of p onal inf oad	sessment (type, scope, langua le for bonus) of project results (approx ssessment: German and bonus blaces ormation	age — if other than German, c. 20 minutes) /or English	examination offered — if no	ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Morklo 300 h Teachi	is creditab itation of age of a able for tion of p onal inf oad	e	age — if other than German, c. 20 minutes) /or English		ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Morklo 300 h Teachi Teachi Referro	is creditab itation of age of a able for tion of p onal inf oad	e e e e e e e e e e e e e e e e e e e	age — if other than German, c. 20 minutes) /or English		ot every semester, informa	tion on whether
Metho module i presen Langua credita Allocat Additio 300 h Teachi Teachi Teachi Referro Module	is creditab itation of age of a able for tion of p onal inf onal inf oad ing cycl ed to in e appea	e e e e e e e e e e e e e e e e e e e	age — if other than German, 2. 20 minutes) /or English 			tion on whether

Bachelor's degree (1 major) Human-Computer-Interaction (2024)

Module title					Abbreviation
Software Quality					10-HCI-B-SQ-242-m01
Module coordinator				Module offered by	
holder	of the (Chair of Computer Scienc	e IX	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	undergraduate			
Conten	ts				
cal soft ciency i delines	ware re in term and so	equirements such as relia s of runtime behavior and	bility, testability, acc d resource consumpt used to teach concep	uracy, security, reus	. Specifically, principles of typi- sability, maintainability, and effi- nd discussed. Programming gui- tools for creating professional
Intende	ed leari	ning outcomes			
theory a	and me		uality software produ	icts. Students will b	arize, explain, and implement e able to compare, describe, and
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) Module	taugh	t in: German and/or Engli	ish		
		e essment (type, scope, langua; le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
lf annoi examin prox. 15	unced l ation o 5 minut ge of a	f one candidate each (ap es per candidate). ssessment: German and/	inning of the course, prox. 20 minutes) or		tion may be replaced by an oral in groups of 2 candidates (ap-
Allocati	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teachir	ng cycl	e			
Teachir	ng cycle	e: only in winter semester			
Referre	d to in	LPO I (examination regulations	for teaching-degree progra	mmes)	
Module	Module appears in				
Bachelo	Bachelor's degree (1 major) Human-Computer-Interaction (2024)				

Module title Abbreviation					
Usability and User Experience Evaluation					06-HCI-B-Usab-242-m01
Module	coord	inator		Module offered by	
holder	of the O	Chair of Psychological Erg	onomics	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
10	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	undergraduate			
Conten	ts				
experie thods a luate tw	nce of re test vo inter	interactive products. The ed by the students on exa	methods are introdu amples in the exercis dently in small group	ced in the lecture pa e part of the course. s. The task consists	methods for usability and user art of the course. Selected me- Furthermore, the students eva- of planning, conducting, evalua- arison of methods.
Intende	d lear	ning outcomes			
evaluat conduc sion of	ing inte t and e interac	eractive products, presen valuate evaluation studio tive products. Through p	It them in writing and es. From the analysis roject work in small g	critically evaluate th of the results, they o roups, their general	cal and empirical methods for hem. They will be able to plan, develop suggestions for the revi- problem-solving ability, commu- wn willingness to perform.
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + ĺ Module		t in: German and/or Engli	ish		
		s essment (type, scope, langua ₎ le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether
b) oral e	examin ge of a	ort (approx. 12 pages) or lation of one candidate e ssessment: German and/ bonus		ites)	
Allocati	ion of p	olaces			
of Arts v	with 12		ill be allocated prima	arily according to the	bject Digital Humanities (Master e number of subject semesters; located by lot.
Additio	nal inf	ormation			
Worklo	ad				
300 h					
Teachin					
		e: only in winter semester			
Referre	d to in	LPO I (examination regulations	for teaching-degree progra	mmes)	
Module					
Bachelo	Bachelor's degree (1 major) Human-Computer-Interaction (2024)				

Module title Abbreviation					Abbreviation
Resear	ch Met	hods			o6-HCI-B-FM-242-mo1
Module	coord	inator		Module offered by	
holder	of the O	Chair of Psychological Erg	onomics	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	undergraduate			
Conten	ts				
se inclu measur interpre	ide scie rement etation	entific theoretical basics, methods, selection of re	, identification of que search paradigms an e exercise, the above	stions, formulation of data collection me points are practiced	human-computer systems. The- of hypotheses, securing suitable ethods, as well as evaluation and d practically by means of tasks report.
Intende	ed learn	ning outcomes			
puter sy thods, f The stu	ystems formula dents a	using the appropriate so ate and comprehend que	ientific methods. The stions, and decide or ine the methods of o	e students are able to n and apply suitable	rical questions in human-com- o reproduce basic terms and me- survey and evaluation methods. work and have knowledge of the
		umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + I Module		t in: German and/or Engl	ish		
		e ssment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
	ge of a	nation (approx. 90 minut ssessment: German and, bonus			
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teaching cycle					
	Teaching cycle: only in winter semester				
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	
	Module appears in				
Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module title Abbreviation						
Experie	Experience as a tester or subject in experimentso6-HCI-B-VPS-242-mo1					
Module	Module coordinator Module offered by					
		f examination committee mme Human-Computer I		Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
1	(not) s	successfully completed				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
module tion on can be	e, stude the dis found	ents switch sides and par stribution of subject hour on the degree program's	ticipate in experimer s among the various	nts, not as leaders, b	nducting the experiment. In this out as subjects. Detailed informa- stitute Human-Computer Media	
Intende	ed lear	ning outcomes				
	ney can	deduce which positive a			<i>w</i> subjects perceive empirical stu- can have from the perspective of	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ge	rman)		
P (o)						
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
Acting	as a pa	rticipant in experiments	(30 hours)			
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
30 h						
Teachi	ıg cycl	e				
Teaching cycle: every semester						
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	ummes)		
Module	e appea	ars in				
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module title					Abbreviation
Interactive Computer Graphics					10-HCI-B-ICGV-242-m01
Module coordinator				Module offered by	
holder	of the (Chair of Computer Scienc	e IX	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	undergraduate			
Conten	ts				
synthes light-ma motion of 3 stu graphic	sis and atter in and pr dents. s softw	manipulation of visual c teraction, illumination m ojections, and texturing t Accompanying exercises	ontent in the context odels, image formats techniques. The requ s, software assignmer	of interactive 3D cor , data representatio ired activities are pe nts, and discussions	rendering framework for digital nputer graphics. This includes n, mathematical formulations of rformed independently in groups assist students in using typical /or DirectX, as well as organizing
Intende	ed learr	ning outcomes			
gital sy will hav	nthesis ve a sou	and manipulation of vis	ual content in the co	ntext of interactive 3	y develop key components for di- D computer graphics. Students for digital synthesis and manipu-
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + Module	• •	t in: German and/or Engl	ish		
		essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
lf anno examin prox. 15	unced l ation o 5 minut ge of a	f one candidate each (ap es per candidate). ssessment: German and,	inning of the course, pprox. 20 minutes) or		tion may be replaced by an oral in groups of 2 candidates (ap-
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h	150 h				
Teachir					
		e: only in summer semest			
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
	Module appears in				
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)				

Module	Module title Abbreviation						
Interac	Interactive Systems Hands-On 10-HCI-B-ICGT-242-mo1						
Module	e coord	inator		Module offered by			
holder	of the (Chair of Computer Scienc	e IX	Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
Intende	ed leari	ning outcomes					
Course	S (type, n	number of weekly contact hours, l	anguage — if other than Ger	rman)			
Ü (1) + [.] Module	. ,	t in: German and/or Engl	ish				
		sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
b) proje candida	ect wor ate) wit ge of a	th final presentation in g ssessment: German and	ndidate each or in gro roups of up to 3 cand		idates, approx. 150 hours per ninutes per candidate)		
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Worklo	ad						
150 h							
Teachi	ng cycl	e					
Teaching cycle: only in summer semester							
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)			
Module appears in							
Bachelor's degree (1 major) Human-Computer-Interaction (2024)							

Module title					Abbreviation	
Methods for Human-Centered Design					06-HCI-B-MBG-242-m01	
Module coordinator				Module offered by		
holder	of the (Chair of Psychological Erg	onomics	Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)		
10	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
product dents o first pha	ts. The n exan ases of	methods are introduced ples in the exercise part	in the lecture part of of the course. In a te process from context	the course. Selected am, they develop a p	n of user interfaces of interactive d methods are tested by the stu- product concept and carry out the nents analysis to the design of de-	
Intende	ed leari	ning outcomes				
quirem method sign of	ents ar Is and an inte	nalysis as well as for the o assess the usefulness of	design of human-tech individual methods f ork promotes indepe	nology interaction. or specific goals and	ethods for context of use and re- They will be able to contrast the d apply the methods to the de- nmunication and cooperation in	
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
V (2) + Module		t in: German and/or Engl	ish			
		s essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether	
b) oral	examin ge of a	ort (approx. 12 pages) or ation of one candidate e ssessment: German and, bonus		ites)		
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
300 h						
Teachir						
		e: only in summer semest				
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)		
Module			maritar latera di su (224)		
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

Module	Module title Abbreviation					
Inclusi	Inclusive Design & Accessibility 06-HCI-B-IDA-242-mo1					
Module	e coord	linator		Module offered by	1	
holder	ofthe	Chair of Psychological Erg	gonomics	Institute of Human	Computer Media	
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites	i		
1 seme	ster	undergraduate				
Conten	ts					
tive are pairme creasin	e cover nts, el Ig acce	ed and practiced. Central derly people, people with	topics are design for dementia), methods versal design and ap	r important target gro for estimating exclu pproaches of inclusiv	n-computer interaction perspec- oups (e.g. people with visual im- usion, basic technologies for in- ve design. The content will be	
Intende	ed lear	ning outcomes				
limitati special ve com	ons. Th list lite petenc	ne students are able to in rature. In the project they ries and their own values	dependently compile generate user-orient in relation to their fe	e, summarize and ev ed design solutions llow human beings v	groups with diverse abilities and aluate relevant excerpts from the . They develop their communicati with special needs.	
	S (type, 1	number of weekly contact hours, l	anguage — if other than Gei	rman)		
S (2) Module	- taugh	t in: German and/or Engl	ish			
Metho	d of as	-		examination offered — if no	ot every semester, information on whether	
b) term	paper	on (approx. 20 minutes) w (approx. 10 pages) assessment: German and, bonus		. 5 pages) or		
Allocat	ion of	places				
Additio	onal inf	ormation				
Worklo	ad					
150 h						
Teaching cycle						
Teaching cycle: only in winter semester						
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	ummes)		
Module appears in						
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	2024)		

Module	Module title Abbreviation						
Introdu	Introduction to Higher Mathematics I 10-HCI-B-Math-I-242-mo1						
Module	Module coordinator Module offered by						
				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	undergraduate					
Conten	Its						
			-				
Intend	ed lear	ning outcomes					
Course	S (type, r	number of weekly contact hours,	anguage — if other than Ger	man)			
V (2) +	• •						
Module	e taugh	t in: German and/or Engl	ish				
			ge — if other than German, e	examination offered — if no	ot every semester, information on whether		
		le for bonus)					
		mination (60 to 120 minu nation of one candidate e		o to 2 candidates (1)	5 to 30 minutes per candidate) or		
		k (e. g. written solutions					
		ssessment: German and	/or English				
credita							
Allocat	ion of j	olaces					
Additio	onal inf	ormation					
Worklo	ad						
150 h							
Teaching cycle							
Teaching cycle: only in winter semester							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						
	Module appears in						
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

Module	Module title Abbreviation					
Propaedeutic Course Bachelor's Thesis					o6-HCI-B-Prop-242-mo1	
Module	e coord	inator		Module offered by		
				Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)		
7	(not) s	successfully completed				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
Intende	ed learı	ning outcomes				
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
S (4)						
		t in: German and/or Engl				
		s essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether	
		oprox. 10 pages) ssessment: German and,	/or English			
Allocat						
	· · · ·					
Additio	nal inf	ormation				
Worklo	ad					
210 h						
Teachi	ng cycl	e				
Teachir	Teaching cycle: every semester					
	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module	Module appears in					
Bachel	or's de	gree (1 major) Human-Co	mputer-Interaction (2	024)		

Module title Abbreviation								
Machine Learning 10-HCI-B-ML-242-m01					01			
Module coordinator Mo				Module offered by	Module offered by			
holder	of the (Chair of Computer Scier	nce IX	Institute of Human	Computer Media			
ECTS	Metho	od of grading	Only after succ. cor	npl. of module(s)				
5	nume	rical grade						
Duratio	on	Module level	Other prerequisites	i				
1 seme	ster	undergraduate						
Conten	ts							
tistical port ve on, rec ce theo gesture bots (p studen train ar exercis activitie Intende After pa ne lear They ca ply ava can inc	The lecture module provides a broad introduction to machine learning, data mining, gesture processing, and sta- tistical pattern recognition. Topics include: (i) Supervised learning (parametric/non-parametric algorithms, sup- port vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reducti- on, recommender systems, deep learning). (iii) Machine learning best practices (data preparation, bias/varian- ce theory, hyperparameter search). To this end, numerous case studies and applications will be presented from gesture-based and multimodal interfaces, text and speech recognition (web search, anti-spam), intelligent ro- bots (perception, control), machine vision, medical informatics, data mining, and other areas. In the exercise, students independently develop a machine learning algorithm from scratch in groups of 2-3 participants. They train and optimize their algorithm to recognize body gestures used to control a given application. Presentations, exercises and discussions help the student groups to familiarize themselves with the required technologies and activities and to organize the project as a whole. Intended learning outcomes After participating in the module courses, students are able to recognize basic application scenarios for machi- ne learning methods. They remember subject-specific approaches and can apply them to different problems. They can summarize, compare and explain different approaches and evaluate their performance. They can ap- ply available tools to typically occurring tasks and know their advantages and disadvantages. Furthermore, you can independently familiarize yourself with complex technical systems as well as independently develop pro- blem-solving proposals, communicate these in a team and integrate them in a prototype.							
V (2) +	· · ·							
		t in: German and/or En						
		Sessment (type, scope, lang Ile for bonus)	uage — if other than German,	examination offered — if no	ot every semester, informati	ion on whether		
b) oral	examir Ige of a	n of project results (ap nation of one candidate ssessment: German an bonus	each (approx. 30 min	utes)				
Allocat	ion of _l	olaces						
Additio	onal inf	ormation						
Worklo	Workload							
150 h								
Teachi	Teaching cycle							
Teachi	Teaching cycle: only in winter semester							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)							
Module	e appea	ars in						
Bachelor's on (2024)	with 1 ma	jor Human-Computer-Interacti-		enerated 18-Jun-2025 • exam DECTS) Human-Computer-Inte	-	page 29 / 61		

Bachelor's degree (1 major) Human-Computer-Interaction (2024)

Module	Module title Abbreviation					
Human	Human-Al Interaction 10-HCI-B-HAI-242-mo1					
Module	coord	inator		Module offered by	<u>.</u>	
holder teractiv		Professorship of Psycholo ems	ogy of Intelligent In-	Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
5	nume	rical grade				
Duratio	n	Module level	Other prerequisites	5		
1 seme	ster	undergraduate				
Conten	ts					
Intende	ed learn	ning outcomes				
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ge	rman)		
V (2) +	Ü (2)					
Module	taugh	t in: German and/or Engl	ish			
			ge — if other than German,	examination offered — if no	ot every semester, information on whether	
		le for bonus)				
b) proje candida c) term	ect worl ate) wit paper ge of a	th final presentation in gr (10 to 15 pages) ssessment: German and	ndidate each or in gr oups of up to 4 cand		idates, approx. 150 hours per inutes per candidate) or	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
150 h						
Teaching cycle						
Teaching cycle: only in summer semester						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in						
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

Module title Abbreviation						
HCI Bachelor Project 06-HCI-B-Pro				06-HCI-B-Proj-242-m01		
Module coordinator				Module offered by		
chairperson of examination committee of the Bachelor's degree programme Human-Computer Interaction				Institute of Human Computer Media		
ECTS	Metho	od of grading	Only after succ. compl. of module(s)			
10	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ester	undergraduate				
Conter	nts					
Intend	ed lear	ning outcomes				
	1					
Course	es (type, r	number of weekly contact hours, l	anguage — if other than Ge	rman)		
Ü (2)						
		t in: German and/or Engl				
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
report (approx. 10 pages) Language of assessment: German and/or English creditable for bonus						
Allocation of places						
Additio	onal inf	ormation				
Worklo	oad					
300 h						
Teaching cycle						
Teaching cycle: every semester						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Bachel	lor's de	gree (1 major) Human-Co	mputer-Interaction (2	2024)		



Compulsory Electives

(10 ECTS credits)

Module title				Abbreviation			
Specialization HCI Bachelor 1					06-HCI-B-V1-242-m01		
Module coordinator				Module offered by			
chairperson of examination committee of the Bachelor's degree programme Human-Computer Interaction				Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
5	nume	rical grade					
Duration Module level		Other prerequisites					
1 semester u		undergraduate					
Conten	ts						
In this module, the contents of the degree courses are deepened and references to neighboring sciences are ma- de, which expand and deepen the skills already acquired, e.g. media communication, business informatics, in- teraction design, sociology of technology, psychology, computer science, museology, digital humanities, geogra- phy, etc.							
Intende	ed learr	ning outcomes					
After participating in this module, students will be able to name and explain typical problems and methods in their own subject as well as in related fields of science and application. They develop methodological competence, cooperation skills and the ability to deal with conflicts in interdisciplinary cooperation.							
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
S (2) Module	e taugh	t in: German and/or Engl	ish				
		s essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether		
Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Hu-							
		r Systems:			·		
		nination (approx. 90 min n (approx. 20 minutes) a		5 pages) or			
c) prese	entatio	n of project results (appr	ox. 30 minutes) or)			
		n (approx. 45 minutes) o					
e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages)							
Language of assessment: German and/or English							
creditable for bonus							
Allocation of places							
Additional information							
Workload							
150 h							
Teaching cycle							
Teaching cycle: every semester							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
Module appears in							
Bachelor's degree (1 major) Human-Computer-Interaction (2024)							
Bachelor's degree (1 major) Human-computer-interaction (2024)							

Bachelor's with 1 major Human-Computer-Interacti-	
on (2024)	

Module title					Abbreviation		
Specialization HCI Bachelor 2					06-HCI-B-V2-242-m01		
Module coordinator				Module offered by			
chairperson of examination committee of the Bachelor's degree programme Human-Computer Interaction				Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
5	nume	rical grade					
Duration Module level		Other prerequisites					
1 semester undergraduate							
Conten	ts						
de, whi	ch exp on desig	and and deepen the skill	s already acquired, e	.g. media communic	s to neighboring sciences are ma- cation, business informatics, in- ology, digital humanities, geogra-		
Intende	ed learr	ning outcomes					
After participating in this module, students will be able to name and explain typical problems and methods in their own subject as well as in related fields of science and application. They develop methodological competence, communicative competence, cooperation skills and the ability to deal with conflicts in interdisciplinary cooperation.							
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
V/S (2) Module	-	(1) t in: German and/or Engli	ish				
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether							
module is creditable for bonus) Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Hu-							
		r Systems:					
		nination (approx. 90 min		`			
		n (approx. 20 minutes) a n of project results (appro		5 pages) or			
d) pres	entatio	n (approx. 45 minutes) o	r				
e) oral examination of one candidate each (approx. 30 minutes) or							
	f) term paper (approx. 10 pages) Language of assessment: German and/or English						
creditable for bonus							
Allocation of places							
Additional information							
Workload							
150 h							
Teaching cycle							
Teaching cycle: every semester							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
Module appears in							
Bachelor's degree (1 major) Human-Computer-Interaction (2024)							

Bachelor's with 1 major Human-Computer-Interacti-	
on (2024)	

Module title				Abbreviation		
Interactive Systems Bachelor 1				10-HCI-B-IS1-242-m01		
Module coordinator				Module offered by		
holder of the Chair of Computer Scienc		nce IX	Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites	i		
1 seme	ster	undergraduate				
Conten	ts					
The module teaches basic requirements, concepts and practical solutions in the field of interactive systems. A special focus is on systems for the realization of human-computer interaction, in which user and computer form a common system in a closed input-output loop and requirements of different degrees of reactivity up to real-time are crucial. Possible examples include classical graphical interfaces, web-based solutions, and virtual and augmented reality systems.						
		ning outcomes				
After participating in the module courses, students are able to identify basic capabilities and properties of to- day's computer systems with regard to their interactivity and to derive technical measures for their realization. Students will be able to select and evaluate suitable solution approaches and tools for tasks in the field of inter- active systems development. Furthermore, students are able to develop alternative approaches for future inter- active systems.						
Course	S (type, r	umber of weekly contact hour	s, language — if other than Ge	rman)		
V (2) + Module		t in: German and/or En	glish			
Method	d of ass	essment (type, scope, lang	uage — if other than German,	examination offered — if no	ot every semester, informat	ion on whether
module is	s creditab	le for bonus)				
 a) written examination (approx. 90 minutes) or b) presentation (approx. 20 minutes) and handout (approx. 5 pages) or c) presentation of project results (approx. 30 minutes) or d) presentation (approx. 45 minutes) or e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages) Unless otherwise specified, the methods can be chosen from for assessment in the specialisations Human-Computer Systems. Language of assessment: German and/or English creditable for bonus 						
Allocation of places						
Additional information						
Workload						
150 h						
Teaching cycle						
Teaching cycle: every semester						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Bachel	or's de	gree (1 major) Human-(Computer-Interaction (2	2024)		
Bachelor's on (2024)	with 1 ma	or Human-Computer-Interacti-		enerated 18-Jun-2025 • exam DECTS) Human-Computer-Inte	-	page 36 / 61

Bachelor's with 1 major Human-Computer-Interacti-

on (2024)

Module title					Abbreviation	
Interactive Systems Bachelor 2					10-HCI-B-IS2-242-m01	
Module	coord	inator		Module offered by		
holder	of the C	hair of Computer Scienc	e IX	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	undergraduate				
Conten	ts					
special a comm me are	focus i 10n sys crucial	s on systems for the real tem in a closed input-ou	ization of human-con tput loop and require	nputer interaction, ir ments of different d	e field of interactive systems. A n which user and computer form egrees of reactivity up to real-ti- ased solutions, and virtual and	
Intende	ed learr	ning outcomes				
day's co Studen	ompute ts will b systems	er systems with regard to be able to select and eva 5 development. Furtherm	their interactivity and luate suitable solutio	d to derive technical n approaches and to	babilities and properties of to- measures for their realization. bols for tasks in the field of inter- tive approaches for future inter-	
Course	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
V/S (2) Module	taugh	t in: German and/or Engli	ish			
		essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether	
Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Hu- man-Computer Systems: a) written examination (approx. 90 minutes) or b) presentation (approx. 20 minutes) and handout (approx. 5 pages) or c) presentation of project results (approx. 30 minutes) or d) presentation (approx. 45 minutes) or e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages) Language of assessment: German and/or English creditable for bonus						
Allocat	ion of p	olaces				
Additio	nal info	ormation				
Worklo	ad					
150 h						
Teachir						
		e: every semester				
Referre	d to in	LPOI (examination regulations	for teaching-degree progra	mmes)		
	Module appears in					
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

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Bachelor's with 1 major Human-Computer-Interacti-

on (2024)

Module title				Abbreviation		
Interactive Systems Bachelor 3					10-HCI-B-IS3-242-m01	
Module	coord	inator		Module offered by		
holder	of the C	hair of Computer Scienc	e IX	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	undergraduate				
Conten	ts					
special a comm me are	focus i 10n sys crucial	s on systems for the real tem in a closed input-ou	ization of human-con tput loop and require	nputer interaction, ir ments of different d	e field of interactive systems. A n which user and computer form egrees of reactivity up to real-ti- ased solutions, and virtual and	
Intende	ed learr	ning outcomes				
day's co Studen	ompute ts will b systems	er systems with regard to be able to select and eva 5 development. Furtherm	their interactivity and luate suitable solutio	d to derive technical n approaches and to	babilities and properties of to- measures for their realization. bols for tasks in the field of inter- tive approaches for future inter-	
Course	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
R (o) Module	taugh	t in: German and/or Engli	ish			
			ge — if other than German, e	examination offered — if no	t every semester, information on whether	
 module is creditable for bonus) Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes) or b) presentation (approx. 20 minutes) and handout (approx. 5 pages) or c) presentation of project results (approx. 30 minutes) or d) presentation (approx. 45 minutes) or e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages) Language of assessment: German and/or English creditable for bonus 						
Allocat	ion of p	olaces				
Additio	nal info	ormation				
Worklo	ad					
150 h						
Teachir	ng cycl	9				
Teachir	ng cycle	e: every semester				
Referre	d to in	LPOI (examination regulations	for teaching-degree progra	mmes)		
Module appears in						
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

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Module title					Abbreviation
Media I	Media Informatics for HCI Bachelor				10-HCI-B-MI-242-m01
Module	coord	inator		Module offered by	
holder	of the (Chair of Computer Scienc	e IX	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)	
5	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
ly true f This cor own. Th comput	for hum urse as ne topic ter scie	an-computer interaction signs a well-defined proj will be in the area of hu nce, part of HCI.	(HCI) which incorpor ect or task to (teams	ates engineering as of) students which t	bus sciences. This is specifical- well as empirical work skills. hey have to solve largely on their ocus on the engineering, aka
Intende	ed leari	ning outcomes			
blem, u	ising ty		have learned how to		g of how to solve a coherent pro- lleagues and to define, distribute
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + Module		t in: German and/or Engl	ish		
		e essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether
b) oral (examin ge of a	nination (approx. 50 min ation of one candidate e ssessment: German and, bonus	ach (approx. 20 minu	ites)	
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Workload					
150 h					
Teaching cycle					
Teachir	ng cycle	e: only in winter semester	ſ		
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)	
Module					
Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module title Abbrev					Abbreviation	
Selecte	Selected topics of Computer Science Bachelor				10-HCI-B-AK-242-m01	
Module coordinator Mod				Module offered by	,	
Dean o	f Studi	es Informatik (Computer	Science)	Institute of Human	Computer Media	
ECTS	Meth	od of grading	Only after succ. cor	npl. of module(s)		
5	nume	rical grade				
Duratio	on .	Module level	Other prerequisites	;		
1 seme	ster	undergraduate				
Conten	ts	·				
Selecte	ed topi	cs in computer science.				
Intend	ed lear	ning outcomes				
		are able to understand th ed questions.	e solutions to compl	ex problems in com	puter science and to transfer	
Course	S (type, 1	number of weekly contact hours, l	anguage — if other than Ge	rman)		
V/S (2) Module	-	(1) t in: German and/or Engl	ish			
Unless man-Cc a) writt b) pres c) pres d) pres e) oral f) term Langua credita	otherwo ompute en exa entatio entatio entatic examir paper ge of a ble for	er Systems: mination (approx. 90 min on (approx. 20 minutes) a on of project results (appr on (approx. 45 minutes) o nation of one candidate e (approx. 10 pages) Issessment: German and bonus	nutes) or nd handout (approx. ox. 30 minutes) or r ach (approx. 30 minu	5 pages) or	essment in the specialisations Hu-	
Allocat	ION OF	places				
 Additio	nal :	ormation				
Auditio		UTITIALIUII				
 Worklo	ad					
150 h						
Teachi	ng cycl	e				
Teaching cycle: every semester						
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	ammes)		
Module	Module appears in					
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module	Module title Abbreviation						
Introduction to Higher Mathematics II 10-HCI-B-Math-II-242-mo1							
Module	e coord	inator		Module offered by	<u> </u>		
				Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
Intende	ed lear	ning outcomes					
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	man)			
V (2) +	• •						
		t in: German and/or Eng					
		sessment (type, scope, langu ile for bonus)	age — if other than German, o	examination offered — if no	ot every semester, information on whether		
b) oral c) proje	examir ect worl ge of a	k (e. g. written solutions ssessment: German and	each or in groups of u and corresponding ex		5 to 30 minutes per candidate) or pages total)		
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Worklo	ad						
150 h							
Teaching cycle							
Referre	d to in	LPOI (examination regulation	ns for teaching-degree progra	mmes)			
Module	e appea	ars in					
Bachel	or's de	gree (1 major) Human-Co	omputer-Interaction (2	024)			

Module title					Abbreviation		
Psychology of Online and Mobile Communication for HCI Bachelor					06-HCI-B-OMK-242-m01		
Modul	e coord	inator		Module offered b	y		
holder New M		Chair of Psychology of	Communication and	Institute of Huma	n Computer Media		
ECTS	Meth	od of grading	Only after succ. co	mpl. of module(s)			
5	nume	rical grade					
Durati	on	Module level	Other prerequisites	5			
1 seme	ester	undergraduate					
le med	odule i lia use.				al perspective on online and mobi the context of online and mobile		
		ning outcomes					
This m le med	odule i lia use.	s aimed at providing ar			al perspective on online and mobi the context of online and mobile		
Course	es (type, r	number of weekly contact hour	rs, language — if other than Ge	erman)			
V (2) Modul	e taugh	t in: German and/or Er	nglish				
		sessment (type, scope, lang le for bonus)	guage — if other than German,	examination offered — if	not every semester, information on whether		
b) oral Langua	examir	mination (approx. 50 m nation of one candidate ssessment: German ar bonus	e each (approx. 20 min	utes)			
	tion of						
5 place Should the nu	es. I the nu	Imber of applications e f subject semesters. Ar			aces will be allocated according to subject semesters, places will be		
Additio	onal inf	ormation					
Worklo	bad						
150 h							
Teachi	ng cycl	e					
Teaching cycle: depending on the offer							
Referre	ed to in	LPOI (examination regulation	ons for teaching-degree progr	ammes)			
Modul	Module appears in						
Bacho	lor's de	gree (1 major) Human-(Computer-Interaction (2024)			

Module title					Abbreviation	
Specialisation Usability					o6-HCI-B-VUsab-242-mo1	
Module	coord	inator		Module offered by		
holder	of the (Chair of Psychological Erg	onomics	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	undergraduate				
Conten						
human	-compu		criteria of effectivene	ess, efficiency and sa	taught in depth, i.e. the design of atisfaction during use. Examples	
Intende	ed learr	ning outcomes				
domain the field ges of c	d of hu differen	will be able to design use man-computer interactio It usability methods, ana	er interfaces themselv n. Furthermore, they lyze and evaluate em	ves as well as condu are able to explain th pirical studies as we	f selected usability methods and ct studies to investigate issues in he advantages and disadvanta- ell as design solutions.	
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
S (2) Module	taugh	t in: German and/or Engli	ish			
		essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether	
man-Co a) writto b) preso c) preso d) preso e) oral o f) term	ompute en exar entatio entatio examin paper (ge of a	r Systems: nination (approx. 90 min n (approx. 20 minutes) a n of project results (appro n (approx. 45 minutes) o ation of one candidate e (approx. 10 pages) ssessment: German and/	utes) or nd handout (approx. ox. 30 minutes) or r ach (approx. 30 minu	5 pages) or	ssment in the specialisations Hu-	
Allocat	ion of p	olaces				
 Additio 	nal info	ormation				
Worklo	ad					
150 h						
Teachir	ng cycl	e				
Teachir	ng cycle	e: every semester				
Referre	d to in	LPO I (examination regulations	for teaching-degree progra	mmes)		
Module	appea	ins in				
Bachelo	Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module title					Abbreviation	
Specialisation User Experience					o6-HCI-B-VUsEx-242-mo1	
Module	coord	inator		Module offered by		
holder	of the O	Chair of Psychological Erg	onomics	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 semes	ster	undergraduate				
Conten	ts					
human- blic and and ser	compu d privat vice de	uter interaction with regan e spheres and include, for esign.	rd to a good user exp	erience. Examples of	ience research, i.e. the design of f application come from the pu- asive interfaces, aesthetic design	
	H	ning outcomes				
thods a gate co plain th	nd dor rrespoi ie adva	nains and will be able to nding questions from the	design user interface field of human-comp	s themselves as wel outer interaction. Fur	f selected user experience me- ll as conduct studies to investi- thermore, they will be able to ex- analyze and evaluate empirical	
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
S (2) Module	taugh	t in: German and/or Engli	ish			
		essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether	
Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Hu- man-Computer Systems: a) written examination (approx. 90 minutes) or b) presentation (approx. 20 minutes) and handout (approx. 5 pages) or c) presentation of project results (approx. 30 minutes) or d) presentation (approx. 45 minutes) or e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages) Language of assessment: German and/or English						
Allocati	ion of p	olaces				
Additio	nal info	ormation				
 Worklo						
	au					
150 h Teachir	or evel	0				
		e: every semester				
		LPOI (examination regulations	fortoching down and	mmac)		
Reieffe		LFVI (examination regulations	s for teaching-degree progra	mmes)		
Module	annes	urs in				
			mnuter-Interaction (a	024)		
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

Bachelor's with 1 major Human-Computer-Interacti-	Γ
on (2024)	

Module title					Abbreviation	
Specialisation Human Factors			o6-HCI-B-VHuFa-24	2-m01		
Module	e coord	inator		Module offered by		
holder	of the (Chair of Psychological E	rgonomics	Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
5	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
major r for the area are ving pro	ole (e.§ design e discu oblems	e, students are introduc g. aviation, acute medic of the human-compute ussed and (3) possibiliti in this domain. Excurs ning outcomes	ine, traffic). For this pu r interaction is introdu es and limits are discu	rpose, (1) a work are ced, (2) current prob ssed on applying H(ea with its specific re plems and research t Il knowledge and res	equirements opics in this search to sol-
	-	iting in this module, stu	donts will be able to a	scoss how human o	omputor interaction	must be de
signed dents w area-sp	in cont vill be a pecific f ito field	ext through insight and able to analyze these in features, and to incorpo Is in which internships	contacts in safety-crit terfaces from a safety- rate these results into	ical socio-technical critical point of view designs of new inte	work areas. Furtherm and taking into acco rfaces. The excursior	nore, stu- ount work ns offer an in-
Course	S (type, r	number of weekly contact hours	, language — if other than Ge	rman)		
S (2) Module	e taugh	t in: German and/or Eng	glish			
		sessment (type, scope, lang	uage — if other than German,	examination offered — if no	ot every semester, informati	on on whether
		le for bonus)				
man-Cc a) writte b) prese c) prese d) prese e) oral o f) term	ompute en exal entatio entatio entatio examin paper l ge of a	vise specified, the follow er Systems: mination (approx. 90 m on (approx. 20 minutes) n of project results (app on (approx. 45 minutes) nation of one candidate (approx. 10 pages) ssessment: German an bonus	inutes) or and handout (approx. orox. 30 minutes) or or each (approx. 30 minu	5 pages) or	ssment in the specia	lisations Hu-
Allocat	ion of J	olaces				
Additio	nal inf	ormation				
Worklo	ad					
150 h						
Teachir	Teaching cycle					
Teachir	ng cycle	e: every semester				
Referre	d to in	LPO I (examination regulation	ons for teaching-degree progra	immes)		
Module	e appea	ars in				
Bachelor's on (2024)	with 1 ma	jor Human-Computer-Interacti-		enerated 18-Jun-2025 • exam ECTS) Human-Computer-Inte	-	page 45 / 61

Bachelor's degree (1 major) Human-Computer-Interaction (2024)

Module title Abbreviation						
Interface & Interaction Design 06-HCI-B-Design					o6-HCI-B-Design-242-mo1	
Module	e coord	inator		Module offered by		
holder	of the (Chair of Psychological Erg	onomics	Institute of Human	Computer Media	
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)		
5	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
sibility & grids	and us , applie earn th	ability. The module provi ed design theory, visual l	des an overview of d anguage & figurative	esign topics such as signs as well as corj	ia, but also for their comprehen- color, fonts & typography, layout porate design. In addition, stu- ut and practice what has been	
Intende	ed leari	ning outcomes				
		ting in the module cours justify their own design			apply basic rules of visual de- gns.	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)		
S (2)						
		t in: German and/or Engl				
		sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether	
man-Co a) writto b) preso c) preso d) preso e) oral o f) term	ompute en exai entatio entatio entatio examin paper (ge of a	er Systems: mination (approx. 90 min on (approx. 20 minutes) a n of project results (appro on (approx. 45 minutes) o nation of one candidate e (approx. 10 pages) ssessment: German and,	utes) or nd handout (approx. ox. 30 minutes) or r ach (approx. 30 minu	5 pages) or	ssment in the specialisations Hu-	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
150 h						
Teachir						
		e: not regularly	for the shine the			
	u to in	LPO I (examination regulations	s for teaching-degree progra	mmes)		
	Module appears in Deskelede de grae (a meier) la men Computer anter etter (cook)					
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						

Module title					Abbreviation
Persuasive Interaction					06-HCI-B-PIA-242-m01
Module	coord	inator		Module offered by	
holder	of the C	hair of Psychological Erg	onomics	Institute of Human	Computer Media
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)	
5	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	undergraduate			
Conten	ts				
Intende	ed learr	ning outcomes			
Courses	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
S (2)					
		t in: German and/or Engli			
		r essment (type, scope, langua ₎ le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
Unless	otherw	ise specified, the followi	ng methods can be c	hosen from for asses	ssment in the specialisations Hu-
		r Systems:			
		nination (approx. 90 min n (approx. 20 minutes) a		r nages) or	
		n of project results (appro		5 pages) of	
		n (approx. 45 minutes) o			
		ation of one candidate e	ach (approx. 30 minu	ites) or	
		approx. 10 pages) ssessment: German and/	or English		
credital			03		
Allocati	ion of p	olaces			
Additio	nal info	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Teaching cycle: every semester					
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
Module					
Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module title					Abbreviation		
Digital Humanities in Overview					04-DH-A1-152-m01		
Module coordinator				Module offered by	l		
holder of the Chair of Digital Humanities and German Lite- rature of the Modern Period					nanities and Germar	n Literature of	
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)			
5	1	successfully completed		•			
Duratio		Module level	Other prerequisites				
1 seme	ster	undergraduate	 				
Conten	ts						
		ne discipline of digital hu acoding, the digital librar			nalisation and data	modelling as	
Intend	ed lear	ning outcomes					
Studen ne.	its are f	amiliar with the core prin	nciples of digital hum	anities and have gai	ned an overview of t	the discipli-	
Course	S (type, r	number of weekly contact hours,	language — if other than Ge	rman)			
V (2) + Module		t in: German and/or Eng	lish				
		sessment (type, scope, langua	age — if other than German,	examination offered — if no	ot every semester, informat	ion on whether	
written	exami	nation (approx. 60 minut	tes)				
Langua	age of a	ssessment: German and	/or English				
Allocat	ion of _l	olaces					
	-						
Additio	onal inf	ormation					
Worklo	ad						
150 h							
Teachi	ng cycl	e					
Teachi	ng cycl	e: every winter semester					
Referre	ed to in	LPOI (examination regulation	is for teaching-degree progra	ammes)			
Module	e appea	ars in					
Master	's degr	ee (1 major) Media Comr	nunication (2015)				
		gree (1 major, 1 minor) P					
		gree (1 major, 1 minor) P			2015)		
		gree (1 major, 1 minor) D	-	-			
Bachelor's degree (2 majors) Pre- and Protohistoric Archaeology (2015)							
Bachelor's degree (2 majors) Digital Humanities (2015)							
Master's degree (1 major) General and Applied Linguistics (2016)							
Master's degree (1 major) Media Communication (2016) Bachelor's degree (1 major, 1 minor) Digital Humanities (2016)							
Master's degree (1 major) Media Communication (2018)							
Bachelor's degree (2 majors) Classical Archaeology (2018)							
Bachelor's degree (1 major, 1 minor) Classical Archaeology (2018)							
	Bachelor's degree (1 major, 1 minor) Digital Humanities (2018)						
Bachelor's	with 1 ma	jor Human-Computer-Interacti-	IMU Würzhurg ● g	enerated 18-Jun-2025 • exam	. reg. data re-	page 49 / 61	
on (2024)		joaman compater interacti		ECTS) Human-Computer-Inte	-	P450 49 / 01	

UNIVERSITÄT WÜRZBURG

Bachelor's degree (1 major, 1 minor) Digital Humanities (Minor, 2018) Bachelor's degree (2 majors) Digital Humanities (2018) Master's degree (1 major) Media Communication (2019) Bachelor's degree (1 major, 1 minor) European Ethnology (Minor, 2020) Bachelor's degree (2 majors) European Ethnology (2020) Bachelor's degree (1 major, 1 minor) Auxiliary Sciences of History (Minor, 2021) Bachelor's degree (2 majors) Ancient Near Eastern Archaeology (2022) Master's degree (1 major) Media Entertainment (2022) Master's degree (1 major) Psychology of digital media (2022) Master's degree (1 major) General and Applied Linguistics (2022) Bachelor's degree (1 major) Franco-German studies: language, culture, digital competence (2022) Bachelor's degree (2 majors) European Ethnology/Empiric Cultural Studies (2023) Bachelor's degree (1 major, 1 minor) European Ethnology/Empiric Cultural Studies (Minor, 2023) Bachelor's degree (1 major) Indology/South Asian Studies (2024) Bachelor's degree (1 major, 1 minor) Indology/South Asian Studies (2024) Bachelor's degree (2 majors) Digital Humanities (2024) Bachelor's degree (1 major, 1 minor) Digital Humanities (2024) Bachelor's degree (1 major, 1 minor) Digital Humanities (Minor, 2024) Bachelor's degree (1 major) Human-Computer-Interaction (2024) Bachelor's degree (1 major) Classics (2024) Bachelor's degree (1 major, 1 minor) European Ethnology/Empiric Cultural Studies (2025)

Module title					Abbreviation	
Media Psychology for HCI Bachelor					o6-HCI-B-MedPsy-242-mo1	
Module coordinator				Module offered by		
holder of the Chair of Media Psychology				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	undergraduate				
Conten	ts					
gy deve fundar as its th	elops th iental k ieories dings c	neories and tests these in knowledge about the sub , findings, and methods. ,f media psychology b) re	empirical studies. The provide studies is a studie st Studie studie stud	his introductory moc logy (e. g. traditiona on the introduction	ng with media. Media psycholo- lule aims to equip students with l media and mass media) as well to a) the subject itself, theories, edia psychology c) methods in	
Intende	ed learı	ning outcomes				
knowle logical	Students should be familiar with central concepts and methods of media psychology. They should have a basic knowledge of the subject-specific questions and should understand the relevance and importance of a psychological perspective as well as the relevance of questions in the field of the social sciences. Thus, a basis is provided for academic work as well as for acquiring practically relevant (vocationally oriented) media skills.					
Course	Courses (type, number of weekly contact hours, language — if other than German)					
V (2) Module	V (2) Module taught in: German and/or English					
		e essment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether	
b) oral c) oral e Langua	a) written examination (approx. 50 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups of up to 4 candidates (approx. 20 minutes per candidate) Language of assessment: German and/or English creditable for bonus					
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Workload						
150 h						
Teaching cycle						
Teaching cycle: depending on the offer						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module	Module appears in					
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						



Module Catalogue for the Subject Human-Computer-Interaction Bachelor's with 1 major, 180 ECTS credits

Key Skills Area (20 ECTS credits)



General Key Skills

(5 ECTS credits)



General Key Skills (subject-specific)

(ECTS credits)

In addition to the modules listed below, students may also take modules offered by JMU as part of the pool of general transferable skills (ASQ).

Module title					Abbreviation	
Work experience as a research and teaching assistant o6-HCI-B-ASQ-242-mo1						
Modul	e coord	linator		Module offered by	l	
		f examination committee Imme Human-Computer I		Institute of Human	Computer Media	
ECTS	Meth	od of grading	Only after succ. cor	mpl. of module(s)		
5	(not)	successfully completed				
Durati	on	Module level	Other prerequisites	5		
1 seme	ester	undergraduate				
Conter	nts					
sch-Co acadei	omputer mic wor	r-Interaktion). The work ta k environment.			Interaction (HCI, German: Men- ude typical activities from the	
	-	ning outcomes			ocesses, lead discussions and	
in topi learnir	cs relat	ed to the field of HCI. The le working as a research	ey will gain a better u	inderstanding of the	pants will learn to teach others problems students encounter in experience with the methods o	
	es (type, i	number of weekly contact hours,	language — if other than Ge	erman)		
P (o)						
		sessment (type, scope, langua ole for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether	
report	(approx	x. 2 pages)				
Alloca	tion of	places				
Additi	onal inf	ormation				
Workle	oad					
150 h						
Teachi	ing cycl	e				
Teachi	ng cycl	e: every semester	-			
Referr	ed to in	LPO I (examination regulation	s for teaching-degree progr	ammes)		
Modul	e appea	ars in				



Subject-specific Key Skills

(15 ECTS credits)

Module	Module title Abbreviation					
Exhibit	Exhibition & Entrepreneurship 06-HCI-B-Exhib-242-mo1					
Module	Module coordinator Module offered by					
		f examination committee mme Human-Computer I		Institute of Human	Computer Media	
ECTS	Meth	Method of grading Only after succ. compl. of module(s)				
5	(not) s	successfully completed				
Duratio	n	Module level	Other prerequisites			
0,5 sen	nester	undergraduate				
Conten	ts					
science	es. This		uman-Computer Inter	action (HCl). This co	nd practical aspects of various urse requires the participants to ion-like setup.	
Intende	ed lear	ning outcomes				
					ow to plan, design and set-up the stions from the audience.	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)		
S (1) Module	taugh	t in: German and/or Engl	ish			
		sessment (type, scope, langua ole for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether	
		of results of HCI Bachelor ssessment: German and		minutes)		
Allocat						
Additio	nal inf	ormation				
Worklo	ad					
150 h						
Teaching cycle						
Teaching cycle: every semester						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)					

Module	Module title Abbreviation						
HCI Ba	HCI Bachelor Seminar Current Trends 06-HCI-B-AT-242-mo1						
Module coordinator Module offered by							
		f examination committee mme Human-Computer I		Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
the pre cific res	sentati search	on of scientific content. S question. Analysis involv	Students search for a es identifying releva	nd analyze scientific nt content, synthesiz	ngs, journals, books, etc.) and c publications in relation to a spe- zing it into coherent arguments, ants with an oral presentation.		
Intende	ed lear	ning outcomes					
fic texts	s and io		mportant key points.	They will be able to	elevant information from scienti- summarize these and compare lized audience.		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	rman)			
S (2) Module	e taugh	t in: German and/or Engl	ish				
		Sessment (type, scope, langua Ile for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
	ige of a	(approx. 20 minutes) with ssessment: German and bonus		pages)			
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Workload							
150 h							
Teaching cycle							
Teaching cycle: every semester							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in							
Bachelor's degree (1 major) Human-Computer-Interaction (2024)							

Module	Module title Abbreviation					
Interaction Prototyping 06-HCI-B-IAPT-242-mo1						
Module coordinator				Module offered by	<u> </u>	
holder	ofthe	Chair of Psychological Erg	gonomics	Institute of Human	Computer Media	
ECTS	Methe	od of grading	Only after succ. con	npl. of module(s)		
5	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	Its					
nerate ment p	and sk rototyp	etch many ideas and sele	ect appropriate desig	n solutions from the	es. Students learn to quickly ge- m. Students will be able to imple- ngible and embodied interaction	
Intend	ed lear	ning outcomes				
		e module courses, stude g guidelines of design an			eractive prototypes in various for- oment steps.	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ge	rman)		
Metho	d of ass	t in: German and/or Engl sessment (type, scope, langua ole for bonus)		examination offered — if no	ot every semester, information on whether	
a) pres b) pres c) term Langua	entatio entatic paper	n (approx. 20 minutes) w on of project results (appr (approx. 10 pages) ssessment: German and	rox. 30 minutes) or	. 5 pages) or		
Allocat	ion of _l	places				
	-					
Additio	onal inf	ormation				
Workload						
150 h						
Teaching cycle						
Teaching cycle: only in summer semester						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in						
Bachelor's degree (1 major) Human-Computer-Interaction (2024)						



Thesis (12 ECTS credits)

Module title Abbreviation							
Bachelor's Thesis Human-Computer Interaction 06-HCI-B-Thesis-242-mo1					o6-HCI-B-Thesis-242-mo1		
Module	coord	inator		Module offered by			
•		f examination committee mme Human-Computer I		Institute of Human	Computer Media		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
12	nume	rical grade					
Duratio	n	Module level	Other prerequisites	i			
1 seme	ster	undergraduate					
Conten	ts						
		c independently on an as ument their results accor			f human-computer interaction		
Intende	ed learr	ning outcomes					
to answ illustra	ver ther te their	m. They organize and imp solution process and int	plement a structured erpret the results.	processing and solu	member the necessary methods Ition process. They document and		
Course	S (type, n	number of weekly contact hours, l	anguage — if other than Ge	rman)			
No cou	rses as	signed to module					
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether		
		esis (approx. 30 pages) ssessment: German or El	nglish				
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Time to	compl	ete: 12 weeks.					
Workload							
360 h							
Teaching cycle							
Teaching cycle: every semester							
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	ammes)			
Module	Module appears in						
Bachel	Bachelor's degree (1 major) Human-Computer-Interaction (2024)						