

# Module Catalogue

for the Subject

## **Computational Humanities**

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

Examination regulations version: 2025 Responsible: Faculty of Arts, Historical, Philological, Cultural and Geographical Studies Responsible: Faculty of Mathematics and Computer Science Responsible: Institute of Computer Science



## Contents

The subject is divided into	3
Learning Outcomes	4
Abbreviations used, Conventions, Notes, In accordance with	5
Compulsory Courses	6
Advanced Machine Learning	7
Modern Natural Language Processing	8
Multimedia Analysis 1	9
Computational Humanities I	10
Computational Humanities II	11
Computational Humanities III	12
Temporal modeling	13
Research Project Computational Humanities I	14
Compulsory Electives	15
Multimedia Analysis 2	16
Advanced Methods of Computer Science	17
Cultural Heritage Data Management	18
Digital Edition	19
Digitization Technologies	20
Principles of data annotation	21
New research avenues in Computational Humanities	22
New research methods in Computational Humanities	23
Research Project Computational Humanities II	24
Foundations of Human-Computer-Interaction	25
Thesis	26
Master-Thesis Computational Humanities	27
Concluding Colloquium Computational Humanities	28



## The subject is divided into

section / sub-section	ECTS credits	starting page
Compulsory Courses	60	6
Compulsory Electives	30	15
Thesis	30	26

#### UNIVERSITÄT WÜRZBURG

### **Learning Outcomes**

German contents and learning outcome available but not translated yet.

#### Fachliche Ziele

- Die Absolventinnen und Absolventen können geistes- und kulturwissenschaftliches Wissen modellieren, daraus digitale Objekte erstellen und schließlich präsentieren. Sie beherrschen anspruchsvolle digitale geisteswissenschaftliche Werkzeuge, können digitale Textobjekte algorithmisch prozessieren und analysieren und - auch in großer Zahl - verwalten.
- Die Absolventinnen und Absolventen besitzen die Fähigkeit, Fragestellungen der Digital Humanities im Kontext der aktuellen Forschung zu operationalisieren, einen Workflow zu ihrer Beantwortung zu konzipieren, die nötigen Arbeitsschritte (s. o.) durchzuführen und das gesamte Projekt zu dokumentieren.

#### Befähigung, eine qualifizierte Erwerbstätigkeit aufzunehmen

- Die Absolventinnen und Absolventen besitzen die Fähigkeit, Fragestellungen der Digital Humanities zu analysieren, Verfahren zu deren Lösung zu entwickeln und in entsprechenden Arbeitsschritten umzusetzen.
- Die Absolventinnen und Absolventen können Problemzusammenhänge in mündlicher wie schriftlicher Form sachgerecht aufbereiten und unter Medieneinsatz zielgruppenspezifisch vermitteln.
- Durch die Auswahl bestimmter Module aus dem Wahlpflichtbereich kann ein Schwerpunkt "Data Science" gebildet werden. Ein entsprechendes Zertifikat ist in Vorbereitung (Herbst 2020).

#### Befähigung zum gesellschaftlichen Engagement

- Die Absolventinnen und Absolventen können gesellschaftliche und kulturelle Entwicklungen, Themen und Positionen in ihrer sprachlichen Verfasstheit und darüber hinaus reflektieren und analysieren. Sie sind in der Lage, sich in einer zunehmend komplexer werdenden Welt zu orientieren und eine Wertvorstellung für das eigene Denken und Handeln zu entwickeln.
- Die Absolventinnen und Absolventen sind in der Lage, geistes- und kulturwissenschaftliche Fragestellungen in die andere Diskurswelt der Informatik zu transferieren. Diese Vermittlerrolle trägt dazu bei, die eigene soziale, kulturgeschichtliche wie geschlechtliche Herkunft kritisch zu reflektieren.

#### Persönlichkeitsentwicklung

- Die Absolventinnen und Absolventen sind zur selbstständigen und kritischen Reflexion in der Lage und haben gelernt, ihre eigene Position im Dialog mit anderen zu finden, schriftlich und mündlich zu präsentieren und selbstkritisch zu hinterfragen.
- Den Absolventinnen und Absolventen stand die Möglichkeit offen, im Rahmen eines Auslandsaufenthalts internationale und interkulturelle Kompetenzen zu sammeln und eine interkulturelle Sensibilisierung zu erreichen.

### 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)):

#### 07-May-2025 (2025-39)

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**

(60 ECTS credits)

Module title			Abbreviation		
Advanced Machine Learning			10-I=AML-252-m01		
Module	coord	inator		Module offered by	
Dean of	fStudie	es Informatik (Computer S	Science)	Institute of Comput	er Science
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
10	(not) s	successfully completed			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	graduate			
Conten	ts				
The lecture provides advanced knowledge of deep learning techniques such as FCN, CNN and LSTMs, practical application examples for NN architectures, e.g. in the field of image and speech processing. Current models and methods of machine learning and their technical background are presented. Building on this, models from the field of deep learning, such as CNNs, RNNs and sequence-to-sequence architectures, are discussed. The theoretical foundations of these models, such as training through backpropagation, are also discussed in detail. For all the models covered, it is shown how they are used in practice for specific problems such as image processing and text generation.					
Intende	ed learr	ning outcomes			
res and	how tł		pical tools, of the ab		earning, of important architectu- etwork structures from the litera-
Courses	<b>5</b> (type, n	umber of weekly contact hours, la	anguage — if other than Ger	man)	
V (2) + Í Module		T (2) t in: English			
		e <b>essment</b> (type, scope, langua) le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (ap- prox. 15 minutes per candidate). Language of assessment: English creditable for bonus					
Allocati	ion of p	olaces			
Additional information					
Workload					
300 h	300 h				
Teaching cycle					
Teaching cycle: every year, winter semester					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module					
	-	ee (1 major) Computation			
Master'	Master's degree (2 majors) Computational Humanities (2025)				

Module	title				Abbreviation
Modern Natural Language Processing			10-I=MoNLP-252-mo1		
Module	coord	inator		Module offered by	
Dean of	fStudie	es Informatik (Computer S	Science)	Institute of Comput	er Science
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
10	(not) s	successfully completed			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	graduate			
Conten	ts				
tation s directio Cross-li shot tra	paces. onal lan ingual t insfer v	Transformer architecture iguage models, causal ar transfer: from word align vith multilingual Transfor	e and Pretrained (mul nd masked language ment and label projec mer-based language	tilingual) Language modeling. Machine tion, over MT-based models. Advanced t	age Models and word represen- Models: autoregressive and bi- translation and word alignment. I transfer to zero-shot and few- copics: modularization and lan- s): instruction tuning and align-
Intende	ed learr	ning outcomes			
get an i spaces student	nsight that er ts will b	into cutting edge researc nable semantic comparis	h in NLP. They will lea on for various NLP tag	arn how to represent sks. Upon successfu	nguage processing and also t texts in shared representation Il completion of the course, the e the optimal strategy to obtain
Courses	<b>S</b> (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + Module		T (2) t in: English			
		s <b>essment</b> (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (ap- prox. 15 minutes per candidate). Language of assessment: English creditable for bonus					
Allocat	ion of p	olaces			
Additional information					
Workload					
300 h					
Teaching cycle					
Teaching cycle: every year, summer semester					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module					
	Master's degree (1 major) Computational Humanities (2025) Master's degree (2 majors) Computational Humanities (2025)				

Module title			Abbreviation		
Multimedia Analysis 1			10-I=MMA1-252-m01		
Module	coordi	nator		Module offered by	
Dean of	Studie	es Informatik (Computer S	Science)	Institute of Compute	er Science
ECTS	Metho	d of grading	Only after succ. com	pl. of module(s)	
10	numer	ical grade			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	graduate			
Conten	ts				
	e learn				cessing, image processing) using ontext of the computational hu-
Intende	d learr	ing outcomes			
knowle	dge in t		rocessing. They have	gained experience w	l as theoretical and practical vith typical tasks and are able to
Courses	<b>S</b> (type, n	umber of weekly contact hours, la	anguage — if other than Ger	man)	
V (2) + ĺ Module		T (2) : in: English			
		<b>essment</b> (type, scope, languag e for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (ap- prox. 15 minutes per candidate). Language of assessment: English creditable for bonus					
Allocati	ion of p	laces			
Additio	nal info	ormation			
Worklo	ad				
300 h					
Teachin					
	Teaching cycle: every year, summer semester				
Referre	d to in	LPO I (examination regulations	for teaching-degree progra	mmes)	
		•			
Module					
Master's degree (1 major) Computational Humanities (2025)					

Module title					Abbreviation
Computational Humanities I 04-CH=CH1-252-m01			04-CH=CH1-252-m01		
Modul	e coord	inator		Module offered by	
	of Digita n Perioo	l Humanities and Germa	n Literature of the	Faculty of Arts, Hist Geographical Studi	orical, Philological, Cultural and es
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Durati	on	Module level	Other prerequisites		
1 seme	ester	graduate			
Conte	nts				
texts f resear luation	rom soc ch and n of the	ial media. This includes developing a research de extraction method, and s	the following tasks: F sign to test it, autom	ormulating a researd ated extraction of sp	iral data, e.g., literary texts or ch hypothesis based on existing pecific text features including eva-
Intend	ed lear	ning outcomes			
		able to independently im extraction and analysis			ign in CH, make informed decisi- n technically.
Course	<b>es</b> (type, r	number of weekly contact hours, l	anguage — if other than Ge	rman)	
	e taugh	t in: English			
module	is creditab	le for bonus)			ot every semester, information on whether
b) writ c) oral Langu	ten exa examin	n (20 to 30 minutes) with mination (45 to 60 minut ation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Alloca	tion of <b>j</b>	olaces			
Additi	onal inf	ormation			
Workl	oad				
150 h					
Teaching cycle					
Teaching cycle: every year, winter semester					
Referr	ed to in	LPO I (examination regulation	s for teaching-degree progra	ummes)	
Module appears in					
	-	ee (1 major) Computation ee (2 majors) Computatio			
maste	i s uegi	ee (2 majors) computatio	mai numannies (202	5/	

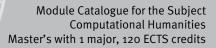
Module title					Abbreviation
Computational Humanities II				10-CH=CH2-252-m01	
Module	Module coordinator			Module offered by	
Chair o Moder	-	ll Humanities and Germa	n Literature of the	Institute of Comput	ter Science
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites	i	
1 seme	ster	graduate			
Conten	Its				
cus on the foll sign to	corpus owing test it,	analysis of non-textual o tasks: Formulating a rese	cultural data such as earch hypothesis base specific audio or ima	audio, music, image ed on existing resea	al humanities methods, with a fo- e, video, or 3D data. This includes rch and developing a research de- g evaluation of the extraction me-
Intend	ed lear	ning outcomes			
		able to answer research o of non-textual data.	questions in computa	itional humanities ai	nd to carry out and evaluate cor-
Course	<b>S</b> (type, r	number of weekly contact hours,	language — if other than Ge	rman)	
V (2) + Module	• •	t in: English			
		<b>sessment</b> (type, scope, langua le for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether
b) writt c) oral	en exa examin age of a	n (20 to 30 minutes) with mination (45 to 60 minut ation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Allocat	ion of <sub>l</sub>	olaces			
	-				
Additio	onal inf	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Teaching cycle: every year, summer semester					
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)					
Modul	e appea	ars in			
	-	ee (1 major) Computatior			
Master	's degr	ee (2 majors) Computatio	onal Humanities (202	5)	

Module title				Abbreviation	
Compu	tationa	l Humanities III			04-CH=CH3-252-m01
Module	e coord	inator		Module offered by	
	of Digita n Period	l Humanities and Germa d	n Literature of the		orical, Philological, Cultural and es, Institute of Computer Science
ECTS	Metho	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	graduate			
Conten	Its				
images art and	s. This i I develo	ncludes the following tas	ks: Formulating a res o test it, automated e	search hypothesis in	ata, e.g., literary texts, music, consultation with the state of the features including evaluation of
Intend	ed lear	ning outcomes			
		able to independently im extraction and analysis i			ign in CH, make informed decisi- 1 technically.
Course	<b>S</b> (type, r	umber of weekly contact hours, l	anguage — if other than Ge	rman)	
V (2) + Module	• •	t in: English			
		<b>essment</b> (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether
b) writt c) oral Langua	ten exa examin	n (20 to 30 minutes) with mination (45 to 60 minut ation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Allocat	ion of p	olaces			
Additio	onal inf	ormation			
	g Instit Studies		uter Science, Faculty	of Arts, Historical, P	hilological, Cultural and Geogra-
Worklo	ad				
150 h					
Teachi	ng cycl	e			
Teaching cycle: every year, winter semester					
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)					
Module appears in					
Module	Master's degree (1 major) Computational Humanities (2025)				
Master	-	ee (1 major) Computation ee (2 majors) Computatio			

Module title				Abbreviation	
Temporal modeling				04-CH=TM-252-m01	
Module coordinator			Module offered by		
Chair of Digit Modern Peric	al Humanities and Germa od	n Literature of the	Faculty of Arts, Hist Geographical Studi	orical, Philological, Cultural and es	
ECTS Meth	od of grading	Only after succ. con	npl. of module(s)		
5 num	erical grade				
Duration	Module level	Other prerequisites			
1 semester	graduate				
Contents					
mena require retical found and related r	es specific methods of dat	a preparation and qu cation of temporal mo	antitative analysis.	gation of such diachronic pheno- This module introduces the theo- r statistical time series analysis	
The focus is (		n of methods such as	s time series and tre	ents using quantitative methods. nd analysis in order to test peri-	
Courses (type,	number of weekly contact hours,	language — if other than Gei	rman)		
S (2) Module taug	ht in: English				
Method of as module is credita		ge — if other than German,	examination offered — if no	ot every semester, information on whether	
b) written exa c) oral exami	on (20 to 30 minutes) with amination (45 to 60 minut nation (approx. 20 minute assessment: English r bonus	es) or	(3 to 5 pages) or		
Allocation of	places				
	<i>.</i>				
Additional in	rormation				
 Workload					
150 h					
Teaching cycle					
Teaching cycle: every year, winter semester					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
	ree (1 major) Computatior	al Humanities (2025)	)		
Master's deg	Master's degree (2 majors) Computational Humanities (2025)				

Module ti	tle	Abbreviation		
Research	Research Project Computational Humanities I			04-CH=Rl1-252-m01
Module c	Module coordinator			
Chair of D Modern P	igital Humanities and Gen eriod	man Literature of the		orical, Philological, Cultural and es, Institute of Computer Science
ECTS N	ethod of grading	Only after succ. cor	npl. of module(s)	
10 n	umerical grade			
Duration	Module level	Other prerequisites	5	
1 semeste	er graduate			
Contents				
pic of the		ney should work on a re	search question from	at they have learned so far to a to- n the formulation of the research ep in the process.
Intended	learning outcomes			
	are able to work on a prob ps, and present the result		procedures for solvir	ng it, implement these in appro-
Courses (t	ype, number of weekly contact hou	ırs, language — if other than Ge	erman)	
R (o) Module ta	aught in: English			
	<b>f assessment</b> (type, scope, lar editable for bonus)	nguage — if other than German,	examination offered — if no	ot every semester, information on whether
Language	oject essay (12 to 20 page of assessment: English e for bonus	s)		
Allocation	n of places			
Additiona	l information			
Offering I phical Stu		mputer Science, Faculty	of Arts, Historical, P	hilological, Cultural and Geogra-
Workload				
300 h				
Teaching	cycle			
Teaching cycle: every year, winter semester				
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)				
Module a	ppears in			
	degree (1 major) Computat			
Master's	degree (2 majors) Comput	ational Humanities (202	25)	





## **Compulsory Electives**

(30 ECTS credits)

Module title			Abbreviation	
Multimedia Analysis 2				10-I=MMA2-252-m01
Module c	oordinator		Module offered by	
Dean of S	tudies Informatik (Computer	Science)	Institute of Compute	er Science
ECTS M	lethod of grading	Only after succ. com	pl. of module(s)	
10 n	umerical grade			
Duration	Module level	Other prerequisites		
1 semeste	er graduate			
Contents				
				g, audio/music processing) I the context of computational
Intended	learning outcomes			
knowledg	have a fundamental understa e in the field of multimedia p nd, apply, further develop and	rocessing. They have	gained experience w	l as theoretical and practical vith typical tasks and are able to
Courses (t	type, number of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + Ü ( Module ta	(2) aught in: English			
	<b>f assessment</b> (type, scope, langua editable for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (ap- prox. 15 minutes per candidate). Language of assessment: English creditable for bonus				
Allocatior	n of places			
Additiona	ll information			
Workload				
300 h				
Teaching				
	Teaching cycle: every year, summer semester			
Referred t	to in LPO I (examination regulations	s for teaching-degree progra	mmes)	
Module a		al Humanitian (acc-)		
Master's degree (1 major) Computational Humanities (2025)				

Module title			Abbreviation		
Advanced Methods of Computer Science					10-I=AMC-252-m01
Module coordinator				Module offered by	
Dean of	fStudie	es Informatik (Computer S	Science)	Institute of Comput	er Science
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	graduate			
Conten	ts				
Further	specia	l methods of computer s	cience.		
Intende	ed learn	ning outcomes			
		e specialized knowledge i adapt and evaluate the re		ed methods of comp	outer science. They can under-
Course	<b>S</b> (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + I Module		t in: English			
		e <b>essment</b> (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: English	inning of the course,		tion may be replaced by an oral in groups of 2 candidates (ap-
Allocat	ion of p	olaces			
Additio	nal info	ormation			
Workload					
300 h					
Teaching cycle					
Teaching cycle: if announced					
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)					
Module	appea	in			
Master's degree (1 major) Computational Humanities (2025)					

Module title Abbreviation						
Cultura	l Herita	age Data Management			04-CH=CHD-252-m01	
Module	e coord	inator		Module offered by	<u> </u>	
Chair o Moderi		l Humanities and Germa	n Literature of the	· · · · · · · · · · · · · · · · · · ·	orical, Philological, Cultural and es	
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	graduate				
Conten	ts					
be avai was cre Intende Studen	ilable fo eated. 7 ed lear its undo	or very different application The seminar teaches relenting outcomes erstand the challenges o	ons, if possible also vant principles and to f cultural data manag	for scenarios that we echniques.	ble for a long period of time and ere not considered when the data ultural data and design and im-	
		iques for its manageme	-	<b>`</b>		
Courses (type, number of weekly contact hours, language – if other than German) S (2) Module taught in: English Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) a) presentation (20 to 30 minutes) with written elaboration (3 to 5 pages) or b) written examination (45 to 60 minutes) or c) oral examination (approx. 20 minutes) Language of assessment: English creditable for bonus						
Allocat	ion of <sub>l</sub>	olaces				
Additio	nal inf	ormation				
Worklo	ad					
150 h						
Teaching cycle						
Teaching cycle: if announced						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module						
	-	ee (1 major) Computatior ee (2 majors) Computatio	-			

Module title					Abbreviation
Digital Edition					04-CH=DE-252-m01
Module coordinator				Module offered by	
Chair o Moderr	-	ll Humanities and Germa	n Literature of the	Faculty of Arts, Hist Geographical Studi	orical, Philological, Cultural and es
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	graduate			
Conten	ts				
					questions of a scientific au- and presenting digital editions.
Intende	ed lear	ning outcomes			
		erstand the functions and n, presentation or prepar		-	n independently take on roles in
Course	<b>S</b> (type, r	number of weekly contact hours, l	anguage — if other than Ge	rman)	
S (2) Module	taugh	t in: English			
		<b>sessment</b> (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether
b) writt c) oral (	en exa examin ge of a	n (20 to 30 minutes) with mination (45 to 60 minut lation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Teaching cycle: if announced					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
-					
Module appears in					
		ee (1 major) Computatior	al Humanities (2025	)	
Master	's degr	ee (2 majors) Computatio	onal Humanities (202	5)	

Module title					Abbreviation
Digitization Technologies					10-CH=DT-252-m01
Module coordinator				Module offered by	
Chair of Digital Humanities and German Literature of the Modern Period			n Literature of the	Institute of Comput	er Science
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	graduate			
Conten	ts				
		liscussing exemplary scient name in and processing of images in the second second second second second second s			ext digitization. The focus is on lysis methods.
Intende	ed learr	ning outcomes			
Studen analysi		able to work on, carry out	and evaluate scienti	fic questions of ima	ge-text digitization and document
Course	<b>S</b> (type, n	umber of weekly contact hours, l	anguage — if other than Gei	rman)	
S (2) Module	e taugh	t in: English			
		<b>essment</b> (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether
b) writt c) oral e	en exaı examin ge of a	n (20 to 30 minutes) with mination (45 to 60 minut ation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Allocat	ion of p	olaces			
Additio	nal info	ormation			
Worklo	ad				
150 h					
Teachir	ng cycl	e			
Teaching cycle: if announced					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
Master	's degre	ee (1 major) Computation	al Humanities (2025)	)	
Master'	's degre	ee (2 majors) Computatio	onal Humanities (202	5)	

Module	Module title Abbreviation						
Princip	Principles of data annotation 04-CH=DA-252-mo1						
Module	e coord	inator		Module offered by	<u> </u>		
Chair of Digital Humanities and German Literature of the Modern Period			n Literature of the	Faculty of Arts, Hist Geographical Studi	orical, Philological, Cultural and es		
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	graduate					
Conten	ts						
levant v notatio Intendo Studen	work pi in envir ed lear	rocess from the developr ronment, the training of a ning outcomes	nent of annotation gunnotatior, and the c	uidelines to their tecl alculation of measur	e CH. The seminar teaches the re- nnical implementation in an an- es of inter-annotator agreement. es or supervise its implementati-		
on.	<b>C</b> (h.m. a	number of weekly contact hours,	if a the with any Co				
Method module is a) pres b) writt c) oral	d of ass screditab entatio en exa examin	t in: English <b>Sessment</b> (type, scope, langua ole for bonus) In (20 to 30 minutes) with mination (45 to 60 minut nation (approx. 20 minute ssessment: English	h written elaboration res) or		ot every semester, information on whether		
credita							
Allocat	ion of <sub>l</sub>	places	_				
Additio	onal inf	ormation					
Worklo	ad						
150 h							
Teaching cycle							
Teaching cycle: if announced							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
 Module appears in							
			al Humanitian (ass-	)			
	-	ee (1 major) Computation ee (2 majors) Computation					
Master's degree (2 majors) Computational Humanities (2025)							

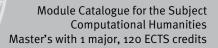
Module title					Abbreviation
New re	search	avenues in Computation	al Humanities		04-CH=NFT-252-m01
Module	e coord	inator		Module offered by	1
Chair o Moderr		l Humanities and Germa	n Literature of the		torical, Philological, Cultural and
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites	i	
1 seme	ster	graduate			
Conten	ts		• •		
cially ir	nporta	nt to keep knowledge up	to date. Current rese	arch trends are disc	arly rapidly, which makes it espe- ussed using a selected example, extraction, or data analysis.
Intend	ed lear	ning outcomes			
		rrent research on a selec ch on a selected topic.	ted topic of CH. Acqu	uisition of the compo	etence to compile and understand
Course	<b>S</b> (type, r	number of weekly contact hours,	anguage — if other than Ge	rman)	
S (2) Module	e taugh	t in: English			
		<b>sessment</b> (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if n	ot every semester, information on whether
b) writt c) oral	en exa examin ge of a	n (20 to 30 minutes) with mination (45 to 60 minut ation (approx. 20 minute ssessment: English bonus	es) or	(3 to 5 pages) or	
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Teaching cycle: if announced					
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)					
Module	e appea	nrs in			
	-	ee (1 major) Computatior ee (2 majors) Computatio			

Module title Abbreviation					
New re	search	methods in Computatio	onal Humanities		10-CH=NFM-252-m01
Module coordinator				Module offered by	<u> </u>
Dean o	f Studi	es Informatik (Computer	Science)	Institute of Comput	ter Science
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	graduate			
Conten	Its				
New re	search	methods for the compu	tational humanities.		
Intend	ed lear	ning outcomes			
		e specialized knowledge and evaluate these meth		nods in computation	al humanities. They can under-
Course	<b>S</b> (type, r	number of weekly contact hours,	, language — if other than Ge	rman)	
S (2)					
		t in: English	_		
		<b>sessment</b> (type, scope, langu ile for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether
b) writt c) oral Langua	ten exa examin	n (20 to 30 minutes) wit mination (45 to 60 minu ation (approx. 20 minut ssessment: English bonus	tes) or	(3 to 5 pages) or	
Allocat	ion of <sub>l</sub>	olaces			
Additio	onal inf	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Teaching cycle: if announced					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
	-	ee (1 major) Computatio	-		
Master	's degr	ee (2 majors) Computati	onal Humanities (202	5)	

Module title					Abbreviation	
Resear	ch Proj	ect Computational Hum	anities II		10-CH=Rl2-252-m01	
Module coordinator				Module offered by		
Dean of	f Studi	es Informatik (Computer	Science)		orical, Philological, Cultural and es, Institute of Computer Science	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
10	nume	rical grade				
Duratio	n	Module level	Other prerequisites	i		
1 seme	ster	graduate				
Conten	ts					
		ication of the knowledge ional Humanities.	e and skills developed	l in the programme w	vithin a further research project in	
Intende	ed lear	ning outcomes				
		er research project, stud mplement these method			n, develop methods to solve the	
Course	<b>S</b> (type, r	number of weekly contact hours,	language — if other than Ge	rman)		
R (o) Module	e taugh	t in: English				
		<b>sessment</b> (type, scope, langu le for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether	
	ge of a	t essay (15 to 20 pages) ssessment: English bonus				
Allocat	ion of J	olaces	_			
Additio	nal inf	ormation				
Offering phical S			outer Science, Faculty	of Arts, Historical, P	hilological, Cultural and Geogra-	
Worklo	ad					
300 h						
Teaching cycle						
Teaching cycle: if announced						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module	 Module appears in					
Master	's degr	ee (1 major) Computatio	nal Humanities (2025	)		

Module title					Abbreviation
Founda	tions o	f Human-Computer-Inter		10-CH=HCI-252-m01	
Module	coord	inator		Module offered by	
				Institute of Comput	er Science
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				
Conten	ts				
Intende	ed learr	ning outcomes			
Course	<b>S</b> (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (3) + I	• •				
		t in: German and/or Engli			
		<b>essment</b> (type, scope, langua; le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
b) prese c) oral e If annot examin prox. 15	entatio examin unced l ation o 5 minut ge of a	f one candidate each (ap es per candidate). ssessment: German and/	ach (30 to 60 minutes inning of the course, prox. 20 minutes) or	the written examination	tion may be replaced by an oral in groups of 2 candidates (ap-
Allocat	ion of p	olaces			
Additio	nal info	ormation			
Worklo	ad				
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module	appea	rs in			
	-	ee (1 major) Computation			
Master's degree (2 majors) Computational Humanities (2025)					





## **Thesis** (30 ECTS credits)

Module title					Abbreviation
Master	-Thesis	s Computational Humani	ties		10-CH=MT-252-m01
Module coordinator				Module offered by	
Dean of Studies Informatik (Computer Science)			Science)		orical, Philological, Cultural and es, Institute of Computer Science
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)	
25	nume	rical grade			
Duratio	on	Module level	Other prerequisites	i i	
1 seme	ster	graduate			
Contents					
Indepe	ndentı	research and work on a t	opic of computationa	l humanities that wa	s agreed upon with a lecturer.
Intende	ed lear	ning outcomes			
	ds that				nce and use the knowledge and result of their work in an accepta-
Course	<b>S</b> (type, r	number of weekly contact hours,	language — if other than Ge	rman)	
А					
		<b>sessment</b> (type, scope, langua le for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether
		is (60 pages) ssessment: German and	/or English		
Allocat	ion of <sub>l</sub>	places			
Additio	onal inf	ormation			
	g Instit		uter Science, Faculty	of Arts, Historical, P	hilological, Cultural and Geogra-
Worklo	ad				
750 h					
Teachi	ng cycl	e			
Teaching cycle: every semester					
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)					
Module appears in					
	-	ee (1 major) Computation			
Master	's degr	ee (2 majors) Computatio	onal Humanities (202	5)	

Module	Module title Abbreviation					
Concluding Colloquium Computational Humanities 10-CH=MK-252-mo1						
Module	e coord	inator		Module offered by		
Dean o	f Studi	es Informatik (Computer S	Science)		orical, Philological, Cultural and es, Institute of Computer Science	
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	graduate				
Conten	ts					
Present	tation a	and defence of the results	s of the Master's thes	sis in an open discus	sion.	
Intende	ed lear	ning outcomes				
Studen	ts are a	able to present the result	s of their Master's th	eses and defend the	m in a discussion.	
Course	<b>S</b> (type, r	number of weekly contact hours, l	anguage — if other than Gei	rman)		
K (o)						
		<b>sessment</b> (type, scope, langua vle for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
		um (approx. 60 minutes) ssessment: German and,	or English			
Allocat	ion of p	places				
Additio	nal inf	ormation				
Offering phical S			uter Science, Faculty	of Arts, Historical, P	hilological, Cultural and Geogra-	
Worklo	ad					
150 h						
Teachi	ng cycl	e				
Teachir	ng cycle	e: every semester				
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master's degree (1 major) Computational Humanities (2025)						
Master	's degr	ee (2 majors) Computatio	nal Humanities (202	5)		