Natural Language Processing (M.Sc., Master Degree Programme)
Study plan | Start in winter term

UNIVERSITÄT
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Version: 27.09.2023

Note: _The following overview offers a non-binding overview of the structure and composition of the modules. The legally binding criteria is available in the examination regulations._

Module code	Module title (Compulsory/Elective)	Sem.	CP	Type	hours	Course title	Assessment	Module Convenor	Comment/ Language
1. Semester (Wi)									
■ **MA2NLP2001**	Machine Learning for Natural Language Understanding (P)	Wi	10	V	2	Machine Learning for Natural Language Understanding		Rettinger	English
				Ü	1	Machine Learning for Natural Language Understanding			
				S	2	Trends in Machine Learning			
				Written exam (90 min.) _or_ Oral exam (20 min.) _and_ Written paper					
■	Preparation Courses (WP)	Wi	20	_A total of 20 credit points from the list of the_ Elective Modules Preparation Course _must be completed._					
2. Semester (Su)									
■ **MA2NLP2002**	Natural Language Processing (P)	Su	10	V	2	Natural Language Processing		Naumann	English
				Ü	1	Natural Language Processing			
				S	2	Trends in Natural Language Processing			
				Written exam (90 min.) _or_ Oral exam (20 min.) _and_ Written paper					
■ **MA2NLP2003**	Advanced Topics in Computational Text and Media Science (P)	Su	10	S	2	Advanced Topics in Computational Text and Media Science #1		Rettinger	English
				S	2	Advanced Topics in Computational Text and Media Science #2			
				Term paper					

🟨	Free Elective Modules	Su	10	*A choice of 10 credit points from Trier University Free Elective Modules for Master's programmes is to be chosen.*					
3. Semester (Wi)									
🟦 **MA2NLP2004**	Research Case Studies (P)	Wi	15	PRO	4	Project seminar		Rettinger	English
						Portfolio examination			
🟪	Compulsory Elective Module Computer Science (WP)	Wi	5	*A choice of 5 credit points from the Elective Modules Computer Science from Trier University is to be chosen.*					English/ German
🟨	Free Elective Modules	Wi	10	*A choice of 10 credit points from Trier University Free Elective Modules for Master's programmes is to be chosen.*					
4. Semester (Su)									
🟥 **MA2NLP2005**	Master's Thesis (P)	Su	30			Master's Thesis			English
						Oral exam (30 Min.) *and* Master´s Thesis			

Elective Modules „Preparation Course" (20 CP to be chosen)										
■ MA2NLP2006	Elements of Mathematics (WP)	Wi	10	V	4	Elements of Mathematics			Schulz	English
				Ü	2	Elements of Mathematics				
				Written exam (120 Min.)						
■ MA2NLP2007	Elements of Computer Science (WP)	Wi	10	EL	1	Elements of Computer Science			Schenkel	English
				Ü	3	Elements of Computer Science				
				2 Partial examinations: Written exam (120 Min.) *and* Written exam (90 Min.)						
■ MA2NLP2008	Elements of Statistics (WP)	Wi	10	K/Ü	4	Elements of Statistics			Münnich	English
				Written exam (120 Min.)						
■ MA2NLP2009	Elements of Linguistics (WP)	Wi	10	V	2	[LING 101V] Introduction to Linguistic Studies 1: Basic Concepts of Modern Descriptive Linguistics			Hoffmann	English
				S	2	[LING 301] Methods of Linguistic Text Analysis				
				Written exam (60 Min.)						
■ MA2NLP2010	Algorithmische Methoden (WP)	Wi	10	V	2	Algorithmische Methoden			Naumann	Deutsch
				Ü	2	Algorithmische Methoden				
				Written exam (90 Min.) *or* Oral exam (20 Min.)						

Elective Modules Computer Science (5 CP to be chosen)									
■ MA2NLP2011	Data Mining (WP)	Su	5	V	2	Data Mining		Bergmann	English
				Ü	1	Data Mining			
				Exam (90 Min.)					
■ MA2NLP2012	Big Data Analytics (WP)	Su	5	V	2	Big Data Analytics		Schenkel	English
				Ü	1	Big Data Analytics			
				Written exam (120 Min.) *or* Oral exam (15–30 Min.)					
■ MA2NLP2013	Information Visualization (WP)	Su	5	V	2	Information Visualization		Diehl	English/ German
				Ü	1	Information Visualization			
				Written exam (120 Min.) *or* Oral exam (15–30 Min.)					
■ MA2NLP2014	Digital Libraries and Foundations of Information Retrieval (WP)	Wi	5	V	2	Digital Libraries and Foundations of Information Retrieval		Schenkel	English/ German
				Ü	1	Digital Libraries and Foundations of Information Retrieval			
				Written exam (120 Min.) *or* Oral exam (15–30 Min.)					
■ MA2NLP2015	Semantic Technologies (WP)	Su	5	V	2	Semantic Technologies		Bergmann	English/ German
				Ü	1	Semantic Technologies			
				Portfolio examination					

Free Elective Modules (20 CP to be chosen)						

Within the "Free elective modules" it is also possible to select courses from the Computer Science electives (listed previously). Alternatively, it is also possible to complete these credit points from Trier University's list of free elective modules for master's programmes.

■	Free Elective Modules (WP)	Wi/ Su		A choice of up to 20 LP from the „Free elective modules" for Master's programmes at Trier University could be chosen. See Note 1.		

Note

(1) Modules of up to 10 CP may be completed from the competence area "Interdisciplinary Competences". Otherwise, modules from all competence areas and subjects may be selected without further restriction.

List of abbreviations

Compulsory attendance courses

EX	Field trip/Day Field trip	LAB	Lab/lab course	PRS	Practice-oriented seminar
GÜ	Field exercise	PRA	Internship	PRÜ	Practical course
KOS	Colloquium seminar	PRO	Project seminar	SPÜ	Language course

Non-compulsory attendance courses

EL	E-Learning-Course	LK	Reading course	TUT	Tutorium
FK	Specialized Course	OS	Advanced seminar	Ü	Practical course
HS	Master's-level seminar	PRP	Preparatory course	V	Lecture
KOL	Colloquium	PS	Bachelor's-level seminar	V+Ü	Lecture with practical course
K	Course	S	Seminar		

Other abbreviations

LP	Credit Points	SWS	Hours	WP	Elective module or course
P	Compulsory module	So	Summer term		
Sem	Semester	Wi	Winter term		