

code	course	ECTS	semest	LCT tracks (just for orientation)		
					NL algorithms and applications	Language data science
obligatory courses						
NTIN066	Data Structures I	6	s			yes
NTIN090	Introduction to Complexity and Computability	4	w			yes
NPFL063	Introduction to General Linguistics	4	w	yes		
NPFL067	Statistical Methods in Natural Language Processing I	5	w		yes	
NPFL114	Deep learning	7	s			yes

TOTAL for obligatory courses 26

core elective courses - group 1

NPFL006	Introduction to Formal Linguistics	3	w	yes		
NPFL038	Fundamentals of Speech Recognition and Generation	5	w	yes	yes	
NPFL068	Statistical Methods in Natural Language Processing II	5	s		yes	yes
NPFL070	Language Data Resources	4	w	yes	yes	
NPFL075	Dependency Grammars and Treebanks	5	s	yes	yes	
NPFL079	Algorithms in Speech Recognition	5	s		yes	
NPFL082	Information Structure of Sentences and Discourse Structure	2	s	yes		
NPFL083	Linguistic Theory and Grammar Formalisms	5	s	yes	yes	
NPFL087	Statistical Machine Translation	5	s			yes
NPFL093	NLP Applications	4	s		yes	
NPFL094	Morphological and Syntactic Analysis	3	w	yes	yes	
NPFL095	Modern Methods in Computational Linguistics	3	w			yes
NPFL097	Unsupervised Machine Learning in NLP	3	w			yes
NPFL099	Statistical Dialogue Systems	4	w		yes	yes
NPFL100	Variability of Languages in Time and Space	2	w	yes		
NPFL103	Information Retrieval	5	w		yes	yes
NPFL104	Machine Learning Methods	4	s		yes	yes
NPFL122	Deep Reinforcement Learning	5	w			yes
NPFL128	Language technologies in practice	4	s		yes	

TOTAL for group 1 76

core elective courses - group 2

NAIL025	Evolutionary Algorithms I	5	w			yes
NAIL069	Artificial Intelligence I	4	w		yes	
NAIL070	Artificial Intelligence II	3	s		yes	yes
NAIL104	Probabilistic Graphical Models	3	w		yes	
NPGR036	Computer Vision	5	s		yes	

TOTAL for group 2 10

core elective courses - group 3

NPGR069	Company Project	6	both	track depends on topic		
NPGR070	Research Project	9	both	track depends on topic		
NPGR071	Software Project	12	both	track depends on topic		