

Digital Linguistics							
Curriculum Masaryk University							
Semester	Course title	Hours			ECTS	Obligatory	
		Lecture	Exercise	Other			
I	Foundations I (Students choose 2 courses depending on their				2 x 4 = 8		
	CJJ15 Czech Comparative Grammar	2			5		
	IV029 Introduction to Transparent Intensional Logic	2			4		
	IB000 Mathematical Foundations of Computer Science	2	2	1	6		
	PLIN041 History of Computational Linguistics	2			4		
	Methods & Tools I				3 x 5 = 15		
	PA153 Natural Language Processing	2			4	x	
	PV027 Optimization	2			4		
	IB113 Introduction to Programming and Algorithms	2	2		6	x	
	PLIN032 Grammar and Corpus		2		5		
	IA161 Natural Language Processing in Practice	1	1		3		
	PLIN033 Algorithmic Description of Word Formation		2		4		
	Application-Oriented Electives I (Students choose 1 course)				1 x 4 = 4		
	PV061 Machine Translation	2			4		
	PLIN045 Introduction to development of multiplatform applicatio		2		5		
	PLIN055 Project from corpus and computational linguistics		2		3		
	PV251 Visualization	2	1		5		
	PV173 NLP Seminar		2		3		
	II	Foundations II				5+5+4 = 14	
		CIBB105 Introduction in Corpus Linguistics	2			4	x
MV013 Statistics for Computer Science		2	2		5	x	
PLIN063 Algorithmic Description of Morphology			2		5	x	
Methods & Tools II					2 x 4 = 8		
IB047 Introduction to Corpus Linguistics and Computer		2			4		
PV080 Protection of Data and Information Privacy		2	2		5		
PLIN037 Semantic Computing			2		4		
PLIN077 Stylometry			2		4		
PV004 UNIX		2			4		
PV056 Machine Learning and Data Mining		2		1	5		
PA152 Efficient Use of Database Systems		2		1	5		
Application-Oriented Electives II (Students choose 1 course)					5		
PLIN078 Quantitative analysis			2		4		
PV211 Introduction to Information Retrieval		2	1		5		
PA107 Corpus Tools Project			2		2		
PB138 Modern Markup Languages and Their Applicatio		2	1		5		
PV173 NLP Seminar			2		3		
SDIPR Diploma Thesis					5	x	
III		Special Topics in Digital Linguistics (Students choose 3 courses + 1 obligatory)				3 x 5 = 15	
	IA161 Natural Language Processing in Practice	1	1		3	x	
	PA164 Machine learning and natural language processi	2	1		5		
	PA220 Database systems for data analytics	2			4		
	PLIN035 Computational Lexicography		2		4		
	PLIN064 Introduction to Digital Humanities		2		4		
	PV061 Machine Translation	2			4		
	PV021 Neural Networks	2		2	6		
	CIBB184 Language Typology		2		4		
	PLIN075 Linguistic Webinar		2		5		
	PV251 Visualization	2	1		5		
	IV111 Probability in Computer Science	2	2		5		
	Projects				3 x 3 = 9		
	PLIN055 Project from corpus and computational linguistics		2		3	x	
	PB106 Corpus Linguistic Project		2		2		
	PLIN053 Mobile application programming project		2		4		
	PV277 Programming Applications for Social Robots		1		2		
PLIN034 Algorithmic Description of Syntax		2		5			

	PV173 NLP Seminar		2		3			
	SDIPR Diploma Thesis				0			
IV	Advanced Topics in Digital Linguistics (Students choose 2 courses)				2 x 5 = 10			
	IV003 Algorithms and data structures II	2	2		5			
	PLIN068 Applied Machine Learning	2			3			
	PLIN069 Applied Machine Learning Project			4	6			
	PA128 Similarity Searching in Multimedia Data	2			4			
	CJ45 Topics in semantics	1	1		5			
	PA154 Language Modeling	2			4			
	PA156 Dialogue Systems	2			4			
	PLIN065 Tools for theories		2		4			
	VV043 Academic Writing in English		2		5			
	PV173 NLP Seminar		2		3			
	SDIPR Diploma Thesis				15	x		