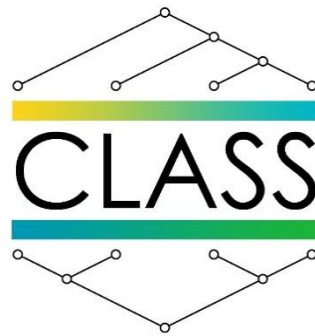




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*Development of the interdisciplinary master program on Computational Linguistics at Central
Asian universities*

585845-EPP-1-2017-1-ES-EPPKA2-CBHE-JP

Conventional Curriculum

Work Package 2 / Task 2.1. / Deliverable 2.1.

October 2018





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Conventional curriculum

CLASS - 585845-EPP-1-2017-1-ES-EPPKA2-CBHE-JP
Computational Linguistics at Central Asian universities
Conventional Curriculum

	Modules	ECTS	List of subjects	Notes	
1	National module	<i>Obligatory module, which contains several disciplines, defined by the National Standards and Regulations of Kazakhstan and Uzbekistan</i>			
		<i>The content is defined by the National Standards of Uzbekistan and Kazakhstan</i>			
		Total -19 ECTS (max)			
2	Research module	<i>Obligatory module, which includes different types of the master students' work: research work, internship, teaching practice, writing a master dissertation, its defense, final examination</i>			
		Total – 28 ECTS (max)			
3	NLP module including applications	25 ECTS (min)		Responsible for Development	
		4	Statistical methods for NLP	ENU	
		4	Language Resources	KazNU	
		4	Machine Translation	KazNU	
		4	Speech Processing	ENU	
		ELECTIVES (9 ECTS, choose 3 disciplines):			
		3	Ontology Design tools		
		3	Formal Models in Linguistics		
		3	Sentiment Analysis Technology		
		3	Synthesis of Speech Analysis of Natural language		
		3	Methods for Information Retrieval		
3	Other (according to the needs)				
4	Applied Linguistics module	24 ECTS (max)			
		5	Formal Grammars	SamSIFL	
		5	Language analysis	KSU; TSUULL	
		5	Natural Language Understanding	UrSU	
		ELECTIVES (9 ECTS, choose 3 disciplines)			
		3	Computational Morphology		
		3	Dialogue Systems		
		3	Tools for Thesauri Creating		
		3	Semantic Tools		
		3	Tools for Text Corpora Creating		
		3	Computer Lexicography		
3	Other (according to the needs)				

5	Computational Technologies module	24 ECTS		
		5	Introduction to Programming for NLP	NUUz
		5	Machine Learning in NLP	KSU; UrSU
		5	Ontologies, Semantic Technologies	TSUULL; ENU
		ELECTIVES (9 ECTS, choose 3 disciplines):		
		3	Data Mining	
		3	Deep Learning	
		3	Programming Python, Java	
		3	Corpus Technologies	
		3	Other (according to the needs)	
TOTAL		120 ECTS		