SUBJECT TO	O CHAN	GE	CS 445 Natural	Language Processing			
Instructor	Name		Reyyan Yeniterzi				
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	Phone Number		0216 568 70 41				
	Office Number		FENS G011				
	Office Hours		ТВА				
Time and	Lecture Hours		Monday 1	Monday 14:40-16.30 Zoom			
Place			Tuesday 11:40-12:30 Zoom				
Course	Mandatory		-				
Materials	Recommended		Speech and Language Processing by Daniel Jurafsky and James Martin. Foundations of Statistical Natural Language Processing by Christophe Manning and Hinrich Schütze Natural Language Processing with Python by Steven Bird, Ewan Klein and Edward Loper				
Weekly Subjects	Week	Dates	Subject				
	1			Introduction to Natural Language Processing			
			Turkish Language Processing				
	2		Regular Expressions and Text Processing				
			Statistical Properties of Text				
	3		Edit Distance				
			Probability Review				
	4		Language Models				
	F		Word Representation				
	5		Machine Learning and Neural Networks Review Text Classification				
	6 7						
	8		Computational Morphology Sequence Modeling: Hidden Markov Models and RNN				
	8 9		Information Extraction and NER				
	10		Topic Modeling				
				Machine Translation			
	11 12		Machine Translation Midterm Exam				
	12			Information Retrieval			
	13			Dialog Systems and Chatbots			
Assessment Methods	Туре		Weight	Implementation Rule	Make-Up Rule		
	Midterm Exam		30	Exam will be closed books and notes. Depending on the situation, it can be either online or in person. If it is going to be online, one live and one offline (recording) camera will be used.	Only valid excuses (with a doctor's report) are accepted to qualify for an exam make-up. Make-up can be an oral exam.		
	Attendance		15	Top Hat will be used to get the attendance and answer to short questions. Worst Top Hat score will be ignored. Students can get at most 5 points from attendance. Rest of the points will depend on how correct the answer is.	No make up for missed attendance.		

	Take Home Exam – Project	55	Four-five take home exams in total. Some of them will be written and some programming. Students will solve these individually. Copying the work of others or from other sources is not permitted.	Students can use up to 5 days total for all projects. Each late has 10% (10 points) penalty.		
	TOTAL	100%				
Determining Letter Grade	 Midterm exam, attendance and take home exams will be counted for the last letter grade. Letter grades will be assigned based on curve, considering the distribution of the grades in the class Any one of the followings lead to failing the course: (1) overall total grade below 40 (over 100) (2) final exam grade below 30 (over 100) (3) not submitting at least two projects 					
Other	Scholastic Honesty	Students are expected to abide by the rules of scholastic honesty. Any form of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any type of plagiarism will result a grade of -100.				
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.				