SUBJECT TO) CHANGE	CS 44	5 Natural	Language Processing	
Instructor	Name		Reyyan Yeniterzi		
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	Phone Number		0216 568 70 41		
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	Office Hours		TBA		
Time and	and Lecture Hours		Monday 11:40-13.30 Zoom		
Place			Tuesday 09:40-10:30 Zoom		
Course Materials	Mandatory		-		
	Recommended		Speech and Language Processing by Daniel Jurafsky and James Martin. Foundations of Statistical Natural Language Processing by Christopher		
			Manning and Hinrich Schütze		
			Natural Language Processing with Python by Steven Bird, Ewan Klein and Edward Loper		
Weekly	Week Dates		Subject		
Subjects	1		Introduction to Natural Language Processing		
			Turkish Language Processing		
	2		Regular Expressions and Text Processing		
	3		Statistical Properties of Text		
	5		Probability Review		
	4		Language Models		
	5		Machine Learning Review and Quiz 1 (March 29)		
	6		Text Classification (Naïve Bayes and Logistic Regression)		
	7		Neural Networks Review		
	8		Word Representation and Neural Text Classification		
	9		Sequence Modeling (Hidden Markov Models and Conditional Random Field)		
	10		Spring Break		
	10		Part of Speech Tagging and Midterm Exam (May 14)		
	12		Information Extraction		
	13		Named Entity Recognition		
	10		Edit Distance and Computational Morphology and Quiz 2 (May 31)		
	15		Computational Morphology		
Assessment	Туре		Weight	Implementation Rule	Make-Up Rule
Methods			-	Exam will be closed books and	-
	Midterm Exam		30	Exam will be closed books and notes. They will be physical (in class). 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.
	Quiz		20	There will be two in class quizzes (during Tuesday classes). It will be closed books and notes.	Only valid excuses (with a doctor's report) are accepted to qualify for one exam make-up. Make-up can be an oral exam.
	Take Home Exam – Project		50	Two or three 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	Students can use up to 3 days total for all projects. Each late has 10% (10 points) penalty.

	other sources is not permitted.			
TOTAL	100%			
 Midterm exam, quiz 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) midterm exam grade below 30 (over 100) (3) project grade below 20 (over 100) (4) missing all exams (2 quizzes and the midterm) 				
 If you miss an exam, you need to bring a medical report. Otherwise, you won't be allowed to tal make-up. If you miss only the midterm, a written make-up exam will be given during the final exam periot. If you miss only one quiz, you can either take half of the other quiz's score directly or take the v make-up during the final exam period. If you miss one quiz and the midterm, you can take the written make-up exam for midterm duri finals. For the missed quiz you can either take half of the other quiz's score directly or take the of make-up during the final exam period. If you miss both quizzes, but not the midterm, you can take either a written and/or an oral make exam during the final exam period. If you miss all exams (both quizzes and the midterm), you will fail the course. In make-up exams (either for the midterm or quiz) you will be responsible from all topics. 				
Scholastic Honesty Flexibility	 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. Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is 			
	 Midterm exam, qui Letter grades will b Any one of the follo (1) overall total gra (2) midterm exam g (3) project grade be (4) missing all exar If you miss an exan make-up. If you miss only the If you miss only on make-up during the If you miss one qui finals. For the misse make-up during the If you miss both qui exam during the fini If you miss all exan In make-up exams 			