Introduction to Natural Language Processing - NLP

Fall 2025

Instructor:	Melih Gunay	**Time:**	T:10.30 - Th:10.30
Email:	mgunay@akdeniz.edu.tr	**Place:**	D205

Course Pages: Teams

Office Hours: After class, or by appointment, or post your questions in the forum provided for this purpose on teams classroom.

Main References: List of various interesting and useful web sites and youtube videos that will be touched during the course. You need to consult them occasionally.

- Spacy Web Site

- Youtube videos of StatQuest, Serrano.Academy

Objectives: This course is primarily designed for advanced undergraduate students or graduate students. It aims to familiarize students with the basic concepts of Natural Language Processing.

Prerequisites: An undergraduate-level understanding of mathematics, statistics, programming, and algorithms is assumed.

Grading Policy - Subject to Change:

This course will be thought in 2 sections. You will have to choice either option at the beginning of the semester.

Option 1: Attendance is not required. You will only required to take the Midterm and Final. They are 35% and 65% each.

Option 2: Attendance is expected. You will be graded based on your hands on in class performance of homeworks/projects/quizzes and final. Final will be 35%. The rest will be decided as we go.

Important Dates:

Midterm #1	Nov XX,
Final Exam	Jan YY,

Course Policy:

- Make sure to enroll for the course. That is the only way you can get credit for the course.

Academic Honesty: Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation.

Tentative Course Outline:

❚ Introduction ❚ NLP Python Basics ❚ Parts of Speach ❚ Text Classification ❚ Semantics and Sentiment Analysis ❚ Word Vectors ❚ Topic Modelling ❚ Deep Learning ❚ Transformers