



TEL AVIV
UNIVERSITY

אוניברסיטת
תל אביב

Full Syllabus



Course Title

Natural Language Processing

Lecturer

Dr. Mor Geva

Semester

A

Course requirements

HW + final project

Final grade components

40% HW + 40% final project + 20% oral exam (on the final project)

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction, discrete word representations
2	Distributed word representations
3	Language models
4	RNNs, subword models
5	Transformer architecture + pretrained language models
6	Fine-tuning techniques + scaling up
7	Natural language generation
8	Information retrieval and RAG
9	Advanced topics in modern NLP
10	Advanced topics in modern NLP
11	Post-training and alignment
12	Interpretability
13	Project presentations

Required course reading

Optional course reading

Comments

Home assignments, final projects, and oral exams will be done in groups.
The course schedule and the advanced topics covered are subject to changes.