



Full Syllabus

Course Title	
Natural Language Processing	
Lecturer	
Maor Ivgi	
Semester	
B	
Course requirements	
HW + final project	
Final grade components	
50% HW and 50% 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	Attention & Transformers
6	Transformers
7	Pretraining & finetuning schemes
8	Natural language generation
9	Information retrieval
10	Alignment
11	Advanced topics in modern NLP
12	Interpretability in large language models
13	Projects presentations
Required course reading	
Optional course reading	
Comments	
Home assignments and final projects will be submitted in groups	