

## 236817: Seminar in Natural Language Processing Fall 2022

Seminar in natural language processing. Topics vary by year. This is a seminar for advanced undergrads and graduate students who have prior background in natural language processing and would like to advance their knowledge and develop research skills.

**Topics for this year:** TBD.

### **Staff:**

[Yonatan Belinkov](#), instructor (belinkov@technion.ac.il)  
Office hours: by appointment.

### **Learning outcomes:**

By the end of this course, the student will be able to present, discuss, and critically assess research papers in NLP.

### **Pre-requisites:**

This is an advanced course that assumes background in NLP and machine learning, such as can be acquired via the following courses: 236299: Introduction to natural language processing, 236756: Introduction to machine learning, 236781: Deep learning on computation accelerators. It is preferable to have taken all three, but students without the official requirements will still be considered if they can demonstrate sufficient background.

### **Coursework:**

- Read papers before each class.
- Post reading responses (1 paragraph long) about the weekly papers. The response should pose questions and comments about the paper that would be appropriate for discussion in class. (The responses should not summarize the paper.)
- Lead discussions of 1-2 papers throughout the course. Discussion leaders will read the responses from the entire class beforehand and synthesize them when leading the discussion.
- Complete a small research project, such as reproducing a published paper or designing and implementing a new solution.

### **Language of instruction:**

The course materials are in English. The language of instruction and discussion is Hebrew.

### **Grading:**

The course grade will be comprised **approximately** as follows; the exact grade composition may change.

- Reading responses 10%
- Attendance & participation 10%
- Leading a discussion 65%
- Mini project 15%

**Schedule:**

TBD