

Academic year 2023-24 (תשפ"ד)

Course title (English): Challenges in Computational Linguistics

Course title (Hebrew):

אתגרים בבלשנות חישובית

Course number: 133.1.0147

Course slot (semester/s, weekday/s, hours): Spring, Su 14-16

Lecturer: Ariel Cohen

Lecturer's conference hour and contact details:

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Phone: 08-6461137

Office hours: to be announced

Course description & objectives:

In the 1950s, people believed that computerized translation between human languages was just around the corner: all that was needed were slightly more powerful computers. However, they severely underestimated the complexity of the problem: today, when computers are incomparably more powerful, although substantial progress has been made, machine translation is still far from practical reality.

In this course we will discuss a variety of approaches to the processing of language by computers, and consider what it is about language that makes such processing so difficult. To demonstrate these issues, we will concentrate on the problem of anaphora resolution.

Course requirements:

Attendance is not required

A midterm: 20%

A final assignment: 80%

The possibility will be considered for excellent students to submit a small project instead of the final assignment.

Prerequisites: none.

Topics & bibliography: will be assigned