**Deep Learning for Natural Language Processing**

**למידה עמוקה עבור עיבוד שפה טבעית**

**משפר הקורס: 236605**

**שם הקורס:**

*Deep Learning for Natural Language Processing*

**learner: קירה רדינסקיד-אדר**

**יום ראשון   שעות הרצאה:**

9:30-11:30

**יום שלישי   שעת תרגול:**

10:30-11:30

**דרישות קדם:**

- דרישות קדם
- אלגוריתמים
- מבוא לתכנות מערכות

**_website:**

**הנראות**

"Deep Learning waves have lapped at the shores of computational linguistics for several years now, but 2015 seems like the year when the full force of the tsunami hit the major Natural Language Processing (NLP) conferences" (Chris Manning).

Natural language processing (NLP) is taking an increasingly dominant part in artificial intelligence today. Its applications are increasingly appearing in many fields and technologies: web search, advertisement, emails, customer service, language translation, radiology reports, etc. The field of NLP is rich with many underlying tasks – words representations, relation extraction, semantic parsing and more. The machine learning community is thriving with elegant solutions to some of those tasks. Recently, deep learning approaches have obtained very high performance across many different NLP tasks. In this course we will deep dive to the cutting-edge research in NLP and focus on the latest advances in the application of deep learning in the field.


The goal of the course to make you the best, most insightful and responsible - - Natural Language researcher and practitioner wherever you go next.
The course will have HW assignments and a final project of building and implementing a neural network model on a large-scale NLP problem. The problem has to be publishable and the students will write a short paper (or long) intended for publication in a top tier conference. Last year, the students published 2 works in top tier conference in NLP and IR.