Course program and reading list
Semester 2 Year 2023

School: Efi Arazi School of Computer Science M.Sc.

Advanced Topics in Deep Learning Seminar

Lecturer:
Prof. Yacov Hel-Or  toky@runi.ac.il

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<td>Seminar</td>
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Course Requirements:
Final Paper  Group Code: 232362201  Language: Hebrew

Prerequisites

Prerequisite:
52 - Calculus I
53 - Calculus II
54 - Linear Algebra I
55 - Linear Algebra II
56 - Discrete Mathematics
59 - Data Structures
69 - Logic And Set Theory
417 - Introduction To Computer Science

Course Description

Deep learning by artificial neural networks is an emerging and revolutionary field with lots of real life
applications in numerous domains, such as: computer vision, image processing, medical diagnostics, and fintech. In this seminar we will learn a variety of new ideas and concepts that have been suggested in the last few years.

Course Goals
Learning new models and concepts in Deep Learning.

Grading
Grades will be given based on student's presentation:

25% - Quality of the written presentation
25% - quality of oral presentation
25% - understanding and fluency with the covered material
15% - visual illustrations, simplification and educational demonstrations
10% - time planning

Reading List
Will be published in the course webpage.