



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

Course No.:	Course Type :	Weekly Hours :	Credit:
3622	Seminar	3	3

Course Requirements :	Group Code :	Language:
Final Paper	232362201	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
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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 planing



Reading List

Will be published in the course webpage.