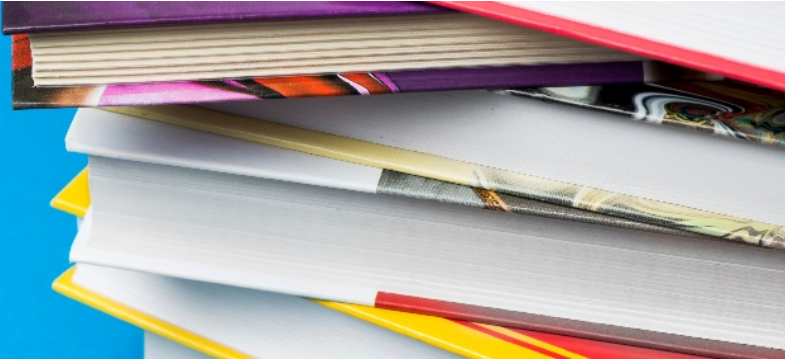
TEL AVIV UNIVERSITY
אוניברסיטת תל אביב

Full Syllabus



Course Title

Introduction to Deep Learning

Lecturer

Dr. Noam Koenigstein

Semester

Course requirements

Final grade components

Course schedule

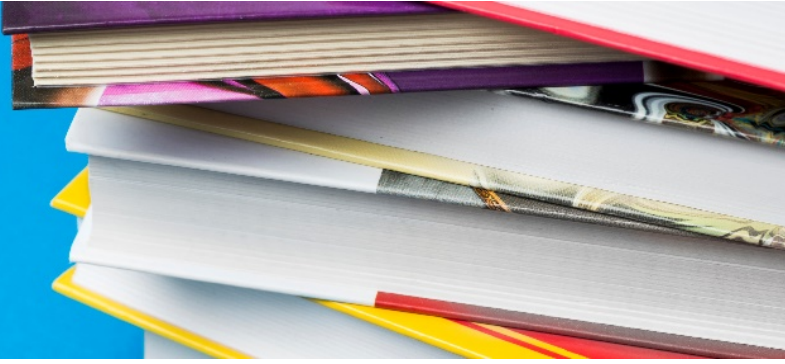
Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
	Intro
	Loss Functions
	MLP - Multi-layer Perceptron (fully connected)
	Backpropagation
	Activation Functions
	Regularization
	CNNs
	Pooling
	Normalization
	Transfer Learning
	Babysitting the learning process
	RNNs
	Transformers

Required course reading

Optional course reading

Comments

Deep learning is an emerging field in Machine Learning that enabled break through achievements in a wide array of problems. The goal of this course is to provide a high level introduction of the main components and techniques of deep learning and give the student an opportunity to experience "hand-on" with



different real-world problems.