

Deep Learning

Fall 2024 Schedule

<u>Week</u>	<u>Deep Learning Fundamentals</u>	<u>Learning PyTorch</u>
Sept. 6 12-1 PM ET	Live Zoom Deep Learning Orientation	
Week 1 Before Sept. 13	What is Deep Learning? fastbook ch. 1	PyTorch Overview & Tensors PyTorch ch. 1-4
Sept 13 12-1 PM ET	Live Zoom Week 1 Review	
Week 2 Before Sept. 20	Deep Learning Basics fastbook ch. 4	Deep Learning Basics PyTorch ch. 5
Sept. 20 12-1 PM ET	Live Zoom Week 2 Review	
Week 3 Before Sept. 27	n/a	Neural Networks PyTorch ch. 6
Sept. 27 12-1 PM ET	Project Pitch Day	
Week 4 Before Oct. 4	Classification & Regression fastbook ch. 5 & 6	n/a
Oct. 4 12-1 PM ET	Class Networking Event	
Week 5 Before Oct. 11	Recommender Systems & Tabular Modeling fastbook ch. 8 & 9	n/a
Oct. 11 5PM	Project Teams and Topic Due Date	
Week 6 Before Oct. 18	Computer Vision 1: Image Preprocessing fastbook ch. 7	Computer Vision 1: Images PyTorch ch. 7
Week 7 Before Oct. 25	Computer Vision 2: CNNs fastbook ch. 13	Computer Vision 2: CNNs PyTorch ch. 8
Week 8 Before Nov. 1	Computer Vision 3: ResNet fastbook ch. 14	Computer Vision 3: CT scans PyTorch ch. 9

Week 9 Before Nov. 8	NLP 1: Text Preprocessing fastbook ch. 10	<i>n/a</i>
Week 10 Before Nov. 15	NLP 2: RNNs fastbook ch. 12	<i>n/a</i>
Week 11 Before Nov. 22	NLP 3: Transformers details in GitHub	<i>n/a</i>
Week 12 Before Dec. 6	Productionization fastbook ch. 2 & 3	Deployment PyTorch ch. 15
Dec. 13 5 PM ET	Final Project Due	