Lecture Schedule (subject to change. Last updated April 8, 2020)

Week	Dates	Readings
Background		
1	January 6, 8	Introduction. Linear Classifier (Ch. 1). **Syllabus Quiz.**
2	January 13, 15	Linear Classifier. **Background quiz**.
Fully-connected Neural Nets and Backpropagation		
3	January 20, 22	Intro to Neural Nets. Backpropagation.
4	January 27, 29	Backpropagation.
5	February 3, 5	Training Tips and Tricks.
5	February 3	**Assignment 1 due (feed-forward NN)**
Special Neural Network Architectures		
6	February 10, 12	Guest Lectures: Maxwell Libbrecht (Feb 10), Kiarash Zahirnia (Feb 12). Convolutional Neural Networks
	February 17, 19	Reading Week
7	February 24, 26	Convolutional Neural Networks. Ch. 3.
7	February 24	**Assignment 2 due (convolutional NN)**
7	March 2	**Exam 1**
8	March 2, March 4	Midterm Post-mortem review. Recurrent Neural Networks: Sequential Data. Ch. 4.5, 4.6.
9	March 9, 11	Recurrent Neural Networks. Sequence-to-Sequence. Word Embeddings. Ch.5,.1-5.3, Ch.4.1-4.4
10	March 16, 18	Basic Auto-Encoders. Variational. 7.1, 7.3.
10	March 16	**Assignment 3 due (Recurrent NN)**
11	March 23, 25	Advanced Auto-Encoders: Convolutional and Variational. 7.2.
12	March 30, April 1	Generative Adversarial Networks. 7.4 Attention and Transformer Models. slides
13	April 6	**Assignment 4 due (Auto-Encoders)**
13	April 6	Deep Reinforcement Learning (Introduction, not on exam) Ch.6
13	April 8	DRL ctd. Exam Review.
14	April 15	**Final Exam**. 10:30 am – 1:30 pm. On-line on canvas
Summer term	May 8 2-3 pm	Review session (exams, assignments)

Notes:

- Last day of classes: April 9