		Date	Lecture Topics
Week 1	Lecture 1	4/3/2023	Introduction
	Lecture 2	4/5/2023	Supervised learning setup. LMS.
	TA Lecture 1	4/7/2023	Linear Algebra Review
Week 2	Lecture 3	4/10/2023	Weighted Least Squares. Logistic regression. Newton's Method
	Lecture 4	4/12/2023	Exponential family. Generalized Linear Models. Multi-class classification.
		4/12/2023	
	TA Lecture 2	4/14/2023	Probability Review
Week 3	Lecture 5	4/17/2023	Gaussian discriminant analysis.
	Lecture 6	4/19/2023	Kernels
		4/21/2023	
	TA Lecture 3	4/21/2023	Python/Numpy
Week 4	Lecture 7	4/24/2023	SVM. Neural Networks.
	Lecture 8	4/26/2023	Neural Networks 2; Architecture
		4/26/2023	
	TA Lecture 4	4/28/2023	Deep Learning
Week 5	Lecture 9	5/1/2023	Neural Networks 3; Backprop
	Lecture 10	5/3/2023	Bias - Variance. Regularization. Feature / Model Selection
	TA Lecture 5	5/5/2023	Evaluation Metrics
Week 6	Lecture 11	5/8/2023	ML Advice.
	Lecture 12	5/10/2023	K-Means. GMM (non EM). Expectation Maximization.
		5/10/2023	
		5/12/2023	
	TA Lecture 6	5/12/2023	Midterm Review
Week 7	Lecture 13	5/15/2023	GMM. Factor Analysis.
	Lecture 14	5/17/2023	PCA/ICA
		5/18/2023	
			No TA Lecture (Midterm Week)
Week 8	Lecture 15	5/22/2023	Weak supervised / unsupervised learning
	Lecture 16	5/24/2023	Reinforcement Learning, policy gradients

Deliverables	Notes
	Slides
Problem Set 0 Released	Slides / Section 1 of Main Notes
	Notes
	Slides / Section 2 of Main Notes
Problem Set 1 Released	Slides / Section 3 of Main Notes
Problem Set 0 (Due at 11:59 pm PT - Ungraded)	
	Notes; Slides
	Section 4.1 of Main Notes
	Section 5 of Main Notes
Final Project Proposal (Due at 11:59 pm PT)	
	Slides; Materials
	Section 6 & 7 of Main Notes
Problem Set 2 Released	Sections 7.1 & 7.2 of Main Notes
Problem Set 1 (Due at 11:59 pm PT)	
	Slides; Notebook
	Section 7.3 of Main Notes
	Section 8 of Main Notes
	Slides
	Section 9 of Main Notes; slides (2023 version)
Problem Set 3 Released	Sections 10, 11.1, 11.2 of Main Notes; slides
Problem Set 2 (Due at 11:59 pm PT)	
Final Project Milestone (Due at 11:59 pm PT)	
	Slides
	Slides
	Sections 12 & 13 of Main Notes, Slides
MIDTERM (CEMEX, 6 pm - 9 pm PT)	
	Slides
Problem Set 4 Released	Section 15&17 of Main Notes

		Date	Lecture Topics
		5/24/2023	
		5/26/2023	No TA Lecture
Week 9	Lecture 17	5/29/2023	No Lecture - Memorial Day
	Lecture 18	5/31/2023	Pre-training / foundation models / supervised learning
		6/2/2023	
Week 10	Lecture 19	6/5/2023	LLMs, in-context learning, prompting, instruct tuning, RLHF
	Lecture 20	6/7/2023	Guest Lecture by Diyi Yang on Societal impact of ML
		6/8/2023	
	TA Lecture 7	6/9/2032	
		6/12/2023	
		6/13/2023	

Deliverables	Notes
Problem Set 3 (Due at 11:59 pm PT)	
	Section 14.3.1 of Main Notes
	Slides
Problem Set 4 (Due at 11:59 pm PT)	
	Notes
Final Project Report (Due at 11:59 pm PT)	
Final Project Poster Session (Burnham Pavilion, 3:30 pm - 6:30 pm PT)	