		Date	Lecture Topics	Deliverables	Notes	
Week 1	Lecture 1	4/3/2023	Introduction		Slides	
	Lecture 2	4/5/2023	Supervised learning setup. LMS.	**Problem Set 0 Released**	Slides / Section 1 of Main Notes	
	TA Lecture 1	4/7/2023	Linear Algebra Review		Notes	
Week 2	Lecture 3	4/10/2023	Weighted Least Squares. Logistic regression. Newton's Method		Slides / Section 2 of Main Notes	
	Lecture 4	4/12/2023	Exponential family. Generalized Linear Models. Multi-class classification.	**Problem Set 1 Released**	Slides / Section 3 of Main Notes	
		4/12/2023		**Problem Set 0 (Due at 11:59 pm PT - Ungraded)**		
	TA Lecture 2	4/14/2023	Probability Review		Notes; Slides	
Week 3	Lecture 5	4/17/2023	Gaussian discriminant analysis.		Section 4.1 of Main Notes	
	Lecture 6	4/19/2023	Kernels		Section 5 of Main Notes	
		4/21/2023		**Final Project Proposal (Due at 11:59 pm PT)**		
	TA Lecture 3	4/21/2023	Python/Numpy		Slides; Materials	
Week 4	Lecture 7	4/24/2023	SVM. Neural Networks.		Section 6 & 7 of Main Notes	
	Lecture 8	4/26/2023	Neural Networks 2; Architecture	**Problem Set 2 Released**	Sections 7.1 & 7.2 of Main Notes	
		4/26/2023		**Problem Set 1 (Due at 11:59 pm PT)**		
	TA Lecture 4	4/28/2023	Deep Learning		Slides; Notebook	
Week 5	Lecture 9	5/1/2023	Neural Networks 3; Backprop		Section 7.3 of Main Notes	
	Lecture 10	5/3/2023	Bias - Variance. Regularization. Feature / Model Selection		Section 8 of Main Notes	
	TA Lecture 5	5/5/2023	Evaluation Metrics		Slides	
Week 6	Lecture 11	5/8/2023	ML Advice.		Section 9 of Main Notes; slides (2023 version)	
	Lecture 12	5/10/2023	K-Means. GMM (non EM). Expectation Maximization.	**Problem Set 3 Released**	Sections 10, 11.1, 11.2 of Main Notes; slides	
		5/10/2023		**Problem Set 2 (Due at 11:59 pm PT)**		
		5/12/2023		**Final Project Milestone (Due at 11:59 pm PT)**		
	TA Lecture 6	5/12/2023	Midterm Review		Slides	https://stanford.z
Week 7	Lecture 13	5/15/2023	GMM. Factor Analysis.		Slides	
	Lecture 14	5/17/2023	PCA/ICA		Sections 12 & 13 of Main Notes, Slides	
		5/18/2023		**MIDTERM (CEMEX, 6 pm - 9 pm PT)**		
			No TA Lecture (Midterm Week)			
Week 8	Lecture 15	5/22/2023	Weak supervised / unsupervised learning			
	Lecture 16	5/24/2023	Self supervised / LLMs	**Problem Set 4 Released**	Section 14 of Main Notes	
		5/24/2023		**Problem Set 3 (Due at 11:59 pm PT)**		
		5/26/2023	No TA Lecture			
Week 9	Lecture 17	5/29/2023	No Lecture - Memorial Day			
	Lecture 18	5/31/2023	in-context learning, prompting, instruct tuning, RLHF		Section 14.3.1 of Main Notes	
		6/2/2023				
Week 10	Lecture 19	6/5/2023	Guest lecture by Danqi Chen on LLMs			
	Lecture 20	6/7/2023	Societal impact of ML guest lecture			
		6/7/2023		**Problem Set 4 (Due at 11:59 pm PT)**		
	TA Lecture 7	6/9/2032			Notes	
		6/12/2023		**Final Project Report (Due at 11:59 pm PT)**		
		6/13/2023		**Final Project Poster Session (3:30 pm - 6:30 pm PT)**		