



CS539 Machine Learning Schedule of Classes - Spring 2017

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WARNING: Changes to this schedule may be made during the course of the semester.



Class	Date	Due	Topic	Chapters
1	Tu Jan 17		Introduction to Machine Learning	1.1-1.3
2	Th Jan 19		Supervised Learning	2
3	Tu Jan 24		Bayesian Decision Theory	3 (except Sect. 3.5)
4	Th Jan 26		Parametric Methods	Appendix A, 4
5	Tu Jan 31		MATLAB session	
6	Th Feb 02		Multivariate Methods	5
7	Tu Feb 07		Dimensionality Reduction	6.1-6.8
8	Th Feb 09	HW1 & Test1	Homework 1 discussion & Test 1	
9	Tu Feb 14		Clustering	7 Sect. 7.7 is optional Tan et al. slides (modified)
10	Th Feb 16		Nonparametric Methods	8
11	Tu Feb 21		Decision Trees	9
12	Th Feb 23		Catch up & Review for Homework/Test 2	
13	Tu Feb 28		Design and Analysis of Machine Learning Experiments	19
14	Th Mar 02	HW2 & Test2	Homework 2 discussion & Test 2	

<i>semester break</i>				
15	Tu Mar 14		Multilayer Perceptrons / Neural Networks	11
16	Th Mar 16		Deep Learning	11
17	Tu Mar 21		Kernel Machines / Support Vector Machines	13
18	Th Mar 23		Graphical Models / Bayesian Networks	14
19	Tu Mar 28	HW3 & Test3	Homework 3 discussion & Test 3	
20	Th Mar 30	Proj Phase I	Project Phase I presentations	
21	Tu Apr 04		Hidden Markov Model I	15
22	Th Apr 06		Hidden Markov Model II	15
23	Tu Apr 11		Combining Multiple Learners	17
24	Th Apr 13		Reinforcement Learning	18
25	Tu Apr 18	HW4 & Test4	Homework 4 discussion & Test 4	
26	Th Apr 20	Proj Phase II	Project Phase II presentations	
27	Tu Apr 25		Project Phase II presentations (cont.)	
28	Th Apr 27		Project Phase II presentations (cont.) and final remarks	
	Tu May 02		<i>Please save this date for a make-up class if needed</i>	