

## CSci 5521 Course Schedule (Spring 2024):

Week 1 (Jan 16 – 19) Both lectures synchronous	Introduction (Ch1); Supervised Learning (Ch2)	
Week 2 (Jan 22 – 26) Both lectures synchronous	Review (Linear Algebra; Probability); ML Programming	Hw0 due (Tues, Jan 23)
Week 3 (Jan 29 – Feb 2) From this week, only Thurs lecture synchronous	Bayesian Decision Theory and Parametric Methods (Ch3,4); Multivariate Methods (Ch5)	Hw1 posted (Thurs, Feb 1)
Week 4 (Feb 5 – 9)	Dimensionality Reduction (Ch6)	Quiz 1 (Thurs, Feb 8)
Week 5 (Feb 12 – 16)	Clustering (Ch7, (B*)Ch9)	Hw1 due (Wed, Feb 14) Hw2 posted (Thurs, Feb 15) * (B) refers to Bishop book, and Alpaydin book otherwise.
Week 6 (Feb 19 - 23)	Non-parametric Methods (Ch8)	Quiz 2 (Thurs, Feb 22)
Week 7 (Feb 26 - Mar 1)	Linear Discrimination (Ch10); Midterm Review	Hw2 due (Wed, Feb 28)
Week 8 (Mar 4 - 8) Spring break	Enjoy your break!	
Week 9 (Mar 11 - 15)	Neural Networks (Ch11)	
Week 10 (Mar 18 - 22)	Midterm (Thurs, Mar 21)	Hw3 posted (Fri, Mar 22)
Week 11 (Mar 25 - Mar 29)	Modern Deep Learning; AI Ethics	Quiz 3 (Thurs, Mar 28)
Week 12 (Apr 1 - 5)	Kernel Machines (Ch14)	Hw3 due (Wed, Apr 3)
Week 13 (Apr 8 - 12)	Decision Trees (Ch9)	Hw4 posted (Thurs, Apr 11)
Week 14 (Apr 15 - 19)	Random Forests (Ch9); Model Comparison and Case Studies	Quiz 4 (Thurs, Apr 18)
Week 15 (Apr 22 - 26)	Graphical Models (Ch15); Final Review	Hw4 due (Wed, Apr 24)
Week 16 (Apr 29 - Mar 3) Study Days	Last day of instruction is Monday, Apr 29th. There will be no async/sync lectures this week. Study for your finals!	
Final Exam	Final exam (will be posted Sat, May 4, 1pm; due in 48 hours)	