CSC/DSC 265/465 Lecture Schedule - Spring 2020

				Chapters: Lecture Notes	ISLR	SOFTWARE
Jan	Th	16	INTRODUCTION			
	T	21	Linear Regression 1	3-6	3	REGRESSION-A.R
	Th	23	Linear Regression 2	3-6	3	REGRESSION-B.R
	T	28	Linear Regression 3	3-6	3	REGRESSION-C.R
	Th	30	Linear Regression 4	3-6	3	REGRESSION-D.R
Feb	T	4	Maximum Likelihood Estimation & Bayesian Inference	9-10		BAYESIAN-INFERENCE.R
	Th	6	Simulation Methods	13-14	5	SIMULATIONS.R, SIMULATED-ANNEALING.R
	T	11	Computational Bayesian Methods	14		COMPUTATIONAL-BAYESIAN.R
	Th	13	Machine Learning Foundations 1	15	2	
	T	18	Machine Learning Foundations 2	15	2	
	Th	20	Bayes Theorem	16	4	
	T	25	Classification 1	16	4	CLASSIFICATION-A.R
	Th	27	Classification 2	16	4	CLASSIFICATION-B.R
March	T	3	Classification 3	16	4	
	Th	5	ROC curves and Cross Validation	16	4-5	CROSS-VALIDATION.R
	T	10	Spring recess			
	Th	12	Spring recess			
	T	17	MIDTERM			
	Th	19	Artificial Neural Networks			
	T	24	Unsupervised Learning: Clustering, K-mean, Hierarchical	17	10	UNSUPERVISED-LEARNING.R
	Th	26	Unsupervised Learning: Principal components analysis	17	10	
	T	31	Unsupervised Learning: Examples	17	10	
April	Th	2	Model Selection: Subset methods	18	6	MODEL-SELECTION-AIC.R
	T	7	Model Selection: Shrinkage	18	6	MODEL-SELECTION-LASSO.R
	Th	9	Model Selection: Dimension reduction	18	6	
	T	14	Basis Functions and Splines 1	19	7	NONLINEAR-MODELS-POLYNOMIAL.R
	Th	16	Basis Functions and Splines 2	19	7	NONLINEAR-MODELS-SPLINES.R
	T	21	Bayesian Networks 1	20		BAYESIAN-NETWORKS.R
	Th	23	Bayesian Networks 2	20		
	T	28	Reinforcement Learning			