

COSC343 Course Outline

Week	Lecture	Topic	Lab/Tutorial (one per week)
1	1	Introduction	Robot navigation
	2	Agents and environments	
2	3	Uninformed search	Uninformed and informed search
	4	Informed search	
3	5	Adversarial search	Adversarial search
	6	Genetic algorithms	
4	7	Uncertainty	Catch up/work on the assignment
	8	Bayesian Reasoning I	
5	9	Bayesian Reasoning II	Genetic Algorithms
	10	Learning	
6	11	Classification I	Naïve Bayes Classifier and machine learning
	12	Classification II	
7	13	Regression	Classification and the Perceptron
	14	Optimisation	
8	15	Multilayer perceptron I	Steepest Gradient Descent
	16	Classification III	
9	17	Multilayer perceptron II	Catch up/work on the assignment
	18	Multilayer perceptron III	
10	19	Simple recurrent neural network	Multilayer perceptron
	20	Unsupervised learning I	
11	21	Unsupervised learning II	Simple Recurrent Networks
	22	Reinforcement learning I	
12	23	Reinforcement learning II	Unsupervised learning
	24	Ethics	
13	25	Revision	Reinforcement Learning