CSE3521-Syllabus

1. What is AI (Introduction and Definition)
2. Search
   a. Uninformed Search (BFS, DFS and UCS)
   b. Informed Search (Greedy, A*)
   c. Adversarial Search
3. Logic
   a. First-Order Logic
   b. Inference in First-Order Logic
4. Knowledge Base
   a. Expert system
5. Probability
   a. probability and mathematical statistics
6. Supervised ML
   a. Naive Bayes
   b. Logistic regression
   c. Multi-Layer Perceptron
   d. Decision Tree
7. Unsupervised ML
   a. K-Nearest Neighbour
   b. k-means
8. Deep Learning
   a. Convolutional Neural Networks
   b. Recurrent Neural Networks
9. Applications
   a. Natural Language Processing
   b. Computer Vision