Programming Rubric

00 - 60	Working code with no comments
70 - 79	Pass all sample tests
80 - 89	Pass all sample tests and make flow chart
90 - 99	Pass all tests and make flow chart

Papers: 5-10 pages: 25% of term grade

Paper One	Topics: ● Friend Suggestion (BFS) ● Routing Networks (Dijkstra's) ● Banking (Bellman-Ford) ● Representing the Web as a Graph ● How a google search works
Paper Two	Topic: The History & Evolution of the Web ● Predict where we are going based on where we have been
Paper Three	Topic: Distributed Approaches to the Web ● Best approaches for colonization of solar system ● Best approaches for CERN ● Cybernetics

Web Dev Research Paper

Timeline: 5 weeks

Source All Work
Need 4-5 sources to get D

Week One:
BFS & DFS

Link
MIT code
BFS Video Lecture
Graph, Stack, & Queue OOP

Week Two
BFS Shortest Path

Link
MIT code
BFS Video Lecture
Largest Island Problem

Week Three
Applying Heuristics

Due
Link
MIT Lecture
Visual Lecture
Literature Review Presentation

Week Four
Negative Cycles

Due
Link
MIT Lecture

Week Five
Binary Trees

Pre, Post, Inorder traversal