**CS590 homework 6 – Graphs, and Shortest Paths**

The due date for this assignment isWednesday, December 23rd, at 11.59pm*.* This assignment is worth 10% of your final grade.

Any sign of collaboration will result in a 0 and being reported to the Graduate Academic Integrity Board. Late submission policy described in the syllabus will be applied.





**(1. 30pts, 2. 20pts, 3. 25pts, 4. 25pts)**

Remarks:

* You are not allowed to use code from online resources. Your submission will be tested against that, and will receive a 0, and a report to the Graduate Academic Integrity Board if it is detected.
* A Makefile is provided to build the code in the Virtual Box.
* Your code has to compile, and will be graded on the Virtual Box.
* The programming, and testing will take some time. Start early.
* Feel free to use the provided source code for your implementation. You have to document your code.
* A pdf report is required for the solution of problem 2, and the question in problem 3. Your report has to be typed, and submitted in a pdf file.