CmpE 207 Lab Assignment #1   Due: March 7, 2017

Topic: Client and server software design using sockets

1. **Read Chapters 4 through 11 of the textbook (Comer).**

2. **Write a UDP client program for DAYTIME service.**

3. **Write a TCP client program that contacts two TIME servers and reports the times they return as well as the difference between them.**

4. **Write TCP client and server programs that the client passes a greeting message to the server. The server receives the message, counts the number of characters in the message, and sends the count back to the client. The client then receives the value, compares it to its count, and prints out both the message and the count.**

   a. **All codes should have readme file, makefile, and plenty of comments explaining the code. A test example should be provided as well, in the readme file, but the code will be tested using other cases.**

   b. **This is a group assignment and only one submission per group should be uploaded to Canvas by the deadline. The format of the submission file should be acceptable to turnitin.**