**ECE 432/532 Lab exercise - 1**

**Fall 2017**

**Exercise 1:**

Download the mpi\_hello.c file from D2L. Compile the code and execute for different number of processes.

*Tips:*

Compilation command:

mpicc –g –Wall –std=c99 mpi\_hello.c –o <name of program>

Execution command:

mpiexec –n <number of processes> ./<name of program>

**Exercise 2:**

Modify mpi\_hello.c in order to test how fair the message passing implementation is. To do this, have all processes except process 0 send 10 messages to process 0. Have process 0 print out the messages as it receives them.