**ECE 4822: Engineering Computation IV**

**Homework No. 5: Matrix Multiplication on a GPU Using CUDA**

**Goal:** Learn how to move data in and out of a GPU.

**Description:**

Replicate the array indexing version of your matrix multiplication code (HW #1) by rewriting your code to run on a GPU. Profile the code on the five different GPUs you have available to you (nedc\_006, nedc\_007, nedc\_008 nedc\_011 and nedc\_012). Compare and contrast your results to your previous CPU-based solution. What conclusions can you draw? Any surprises?