490A - Assignment 1 - Individual

Desired Class Outcomes and Content

To be completed individually, one submission per student.

Write one page about what you would like to get out of this class. Please hand in a printed hard copy of this on Wed at the beginning of class. What skills and topics would you like to be presented, introduced or expanded upon? These could be Embedded topics such as Embedded Software Techniques (RTOS solutions vs Non-RTOS: Superloop and Event Driven solutions), Real-Time Clocks, Analog Data Acquisition or Signal Reconstruction, Filtering (analog or digital), Software Filtering schemes (code efficient filters), Phase Lock Loops. Topics could also include Robotics, Control Systems and Theory, 3D Printing, Stepper Motor Controlling (expand on 346 with half/micro stepping and single chip stepper motor controlling solutions). More topics could be Switching Power Supplies (Boost/Buck Converters), battery management, Etc… In other words what can I do for you?

Deliverables: Please hand in a printed hard copy of this at the beginning of class.