Embedded Milestone 1 Help Session

#Instrument your code or Plassmann will not talk to you

#Don’t rewire the instrumentation on your PIC board, or use the \_\_ wire on the LA

#Cut the wires to fit the board correctly

How to give demos

-Follow the tasks on the check sheet

-Had exact specs needed for milestone

Sensors

-Use the logic analyzer to demo sensors

-Time from A/D to trigger is configured when A/D is set up

-A/D takes \_\_ to acquire a value

-IR sensor is low impedance

-A/D goes off, now the value in the interrupt handler goes to a message queue

-While in the interrupt handler, nothing else occurs

-main

-while(1) // non-blocking

-Read HighMsg

-state machine

-Read LowMsg

-state machine

-Need to figure out which is high or low priority

Motors

-Use flags to check UART mode

-Interrupt handler is a hardware bit

-There is another bit that generates an interrupt

-Instruction takes 4 clock cycles

-I2C requires \_\_ to send only one byte

ARM

OS in a nutshell

-There are schedulers

-Threads and message queues are prioritized by the schedulers

Simulation

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