

Dear students,

Prof. Nelson and Hung continually review ways to improve the 3040/3050 course. Please take some time, and give us feedback on:

A. Lab infrastructure:

1. Keil MDK-ARM  $\mu$ *Vision5* integrated development environment (IDE)
2. Digilent *Electronics Explorer* system (including *Waveforms* software)
3. STM32L100C-Discovery microcontroller module
4. The dc motor/ac tachometer

B. Lab assignments: too easy, too hard, too few, too many, just right, etc.

1. Software debugging
2. Digital i/o
3. Oscilloscope and logic analyzer
4. Interrupts in C
5. Keypad interface
6. Programmable timer
7. PWM waveform generation
8. BJT switch
9. Measuring tachometer signal period
10. Measuring tachometer signal amplitude
11. Motor characterization
12. Controller project (2 weeks)
13. Other assignments: memos, midterm report, ethics case study, final report, oral presentation

Feedback can be anonymous: Put ideas in the envelope where biweekly memos are collected. Thank you!