

ELEC 243
Problem Set 0
Due: January 16, 2015

Homework Problems.

- H0.1** (a) Describe a measurement that might arise in the laboratory in your field of engineering. (If you are not an engineer, find an example from your own field of endeavor or personal interest.)
- (b) Explain the purpose and importance of this measurement.
- (c) Characterize this measurement in terms of the physical quantity being measured, the desired units, the required accuracy, etc. Is the measurement a single event or ongoing? If the latter, how often should samples be taken?
- (d) Suggest a process (not necessarily electronic) by which this measurement might be made.
- (e) Sketch a block diagram of the resulting measurement system.

Exam Problems.

None this week.