Notes for Lab 0 (Course Overview)

1. Class introduction
   - Distribute syllabus (also available on-line)
   - Instructor introduction
     - Instructor name
     - Instructor contact information
     - Instructor office hours
   - Course purpose:
     - Ranks 2 and 3, Systems emphasis, Not 205
     - Introduction to simple electronic systems and the instruments used to study them
       - Oscilloscopes
       - Waveform generators ("Arbs")
       - Digital multimeters (DMMs)
     - Complements ECE 205 and ECE 301
   - Other related labs:
     - ECE 327 – Focus on circuits, in particular applications of discrete linear and nonlinear electronics (complements ECE 323)
     - ECE 628 – Focus on circuits, in particular applications of discrete power electronics (complements ECE 624)
   - Sample grading policy (instructor policy takes precedence)
     - Weighted categories:
       - Pre-lab assignments and quizzes (20%)
       - Lab reports (40%)
       - Lab clean-up/attendance/participation (10%)
       - Final exam (30%)
     - Lab reports are completed by groups.
     - Pre-labs: 2 homeworks and 5 quizzes – all completed by individuals.
       - Pre-lab homeworks for lab 1 (i.e., NEXT WEEK) and lab 5.
       - Closed-book and closed-note quizzes over text material for all other labs.
     - Lab groups of two or three (instructor policy takes precedence)

2. UniPrint lab text: Random group of pages put together by random TA at mysterious time long ago
   - Each laboratory includes introductory material and a set of exercises.
   - In labs 1 and 5, some of the laboratory exercises are meant to be done before the lab, and so they are given as pre-laboratory assignments.

   - As of 2010, a breadboard can be purchased in 205 Dreese Laboratories for $22.00 (exact cash or check).
   - This breadboard will be used in several other laboratory courses.
   - The banana-connector posts should not be discarded (especially if taking ECE 327 later).