

ECE 209: *Circuits and Electronics Laboratory*

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:
 - **2** – Ranks 2 and 3, **0** – Systems emphasis, **9** – 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.

3. Bring **breadboard** to labs 2–7.

- 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).