

ECE 209: *Circuits and Electronics Laboratory*

Notes for Lab 0 (Course Overview)

1. Class introduction

- Distribute syllabus (also available on-line)
- Instructor
 - Ted Pavlic (sounds like “[maverick](#)”)
 - E-mail: <pavlic.3@osu.edu> (put “ECE 209” in your subject)
 - Office (CL 351) hours: tentatively Tuesday from 8:30AM–10:30AM (other ideas?)
- Course web page: <http://www.ece.ohio-state.edu/~pavlict/ece209/>
- 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)
- Grades (posted on [Carmen](#))
 - 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**.
 - * Lab report grading rubric given on [course web page](#).
 - * 5% bonus for \TeX -generated submissions. \TeX / \LaTeX help on [course web page](#).
 - Pre-labs: 2 homeworks and 5 quizzes — all completed by **individuals**.
 - * Pre-lab homeworks for lab 1 (i.e., NEXT WEEK) and lab 5 on [course web page](#).
 - As with lab reports, 5% bonus credit for \TeX -generated homework submissions.
 - * Closed-book and closed-note quizzes over text material for all other labs.
 - Final letter grade curve set before final exam.
- Lab groups of **two** or **three**

2. [UniPrint](#) lab text: Random group of pages put together by random TA at mysterious time long ago

- [Course packet errata](#) is given on the [course web page](#).
- 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. See [course web page](#) for details.

3. Bring **breadboard** to labs 2–7.

- 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.
- Despite what others might say, banana-connector posts should **not** be discarded (especially if taking ECE 327).