

Physics 3330 – Lecture Schedule

- A Intro: Motivation, Organization
- B Transfer functions, voltage dividers
- C Impedance of L and C, Thevenin equivalents, decibels
- D Bode plots, RC filters
- E Lab Reports, LCR filters
- F Op-amps I: golden rules, gain equations
- G Op-amps II: gain-bandwidth product , Z_{in} , Z_{out}
- H LEDs, photodiodes, lock-in amplifiers
- I Bipolar transistors I: diodes, emitter follower, biasing
- J Bipolar transistors II: common emitter amp., intrinsic R_E , 2-stage amp.
- K FETs and noise
- L Projects, Digital I: logic and flip-flops
- M Digital II: microcontrollers