

**Spring 2022**

**MENG 2204 Electronics Lab**

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**Office Hours:** MWF 9:00 AM -9:50 AM; T 10:00 AM-11:50 AM; Other days and times by appointment.

**Lab Hours:** M 1:30-3:20 PM (21B); M 3:30- 5:20 PM (21A)

**Lab Location:** MY 140 (McCoy Engineering Hall 140)

**Lab Schedule:**

**Lab 1:** The Oscilloscope and Phase Measurements (*Week 1*)

**Lab 2:** Series and Parallel Resonance (*Week 2*)

**Lab 3:** Diodes, Light Emitting Diodes, Zener Diodes (*Week 3*)

**Lab 4:** Bode Plot, Filters (*Week 4*)

**Lab 5:** Square Wave Generator using a Hex Schmitt Trigger Inverter 74HC14 (*Week 5*)

**Lab 6:** Bipolar Junction Transistor Characteristics (*Week 6*)

**Lab 7:** BJT Transistor Amplifier (*Week 7*)

**Lab 8:** JFET Characteristics (*Week 8*)

**Lab 9:** 4 Bit Asynchronous Counter using D flip flops (*Week 9*)

**Lab 10:** Linear Op Amp circuits (*Week 10*)

**Lab 11:** Seven-Segment Display (*Week 11*)

Make-Up Lab (*Week 12*)