

## **ECE 361: Design and Design Tools in ECE** **Electrical and Computer Engineering**

Command line SPICE; drawings for laser cutters and NC milling machines; specifying real resistors, capacitors, and inductors; understanding ground concepts; designing DC power supplies; PCB layout using KiCad or similar; numerical optimization for design; research and the creative process in design.

1 Credit

### **Prerequisites**

- [El E 351: Electronics Circuits I](#)
- [Engr 361: Electric Circuit Laboratory](#)
- Pre-Requisite: 24 Earned Hours

### **Instruction Type(s)**

- Lab: Laboratory for ECE 361

### **Subject Areas**

- [Electrical and Electronics Engineering](#)
- [Computer Engineering, General](#)

