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**
- EI E 351: Electronics Circuits I
- Engr 361: Electric Circuit Laboratory

**Instruction Type(s)**
- Lab: Laboratory for ECE 361

**Subject Areas**
- Electrical and Electronics Engineering
- Computer Engineering, General