

ECE 361: Design and Design Tools in ECE **ELECTRICAL 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: Models and Circuits I](#) \$target.descriptions.MinimumGrade\$
- [Engr 361: Electric Circuit Laboratory](#) \$target.descriptions.MinimumGrade\$

Instruction Type(s)

- Lab: Laboratory for ECE 361

Subject Areas

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

