

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

Instruction Type(s)

• Lab: Laboratory for ECE 361

Subject Areas

- Electrical and Electronics Engineering
- <u>Computer Engineering, General</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

