

El E 441: Electromagnetic Theory I Electrical Engineering

Maxwell's equations, the wave equation and its solution, plane waves in free space and conducting media, reflection and transmission at interfaces, transmission line theory, introduction to waveguides and cavity resonators.

3 Credits

Prerequisites

- El E 341: Theory of Fields
- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

• Lecture: Lecture for El E 441

Subject Areas

• Electrical and Electronics Engineering

Related Areas

- Electrical, Electronics and Communications Engineering, Other
- Laser and Optical Engineering
- Telecommunications Engineering

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.

