

EI E 441: Electromagnetic Theory I

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

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

Instruction Type(s)

• Lecture: Lecture for EI E 441

Subject Areas

Electrical and Electronics Engineering

Related Areas

- Electrical, Electronics and Communications Engineering, Other
- Laser and Optical Engineering
- <u>Telecommunications Engineering</u>

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