

ECE 3690: Engineering Electromagnetics

Maxwell's equations, plane waves, dissipative media, reflection and transmission of waves at an interface, metallic and optical waveguides, transmission lines, linear and array antennas. Practicum includes computer projects, laboratory demonstrations and problem solving. Three lecture hours and a two-hour practicum per week.

Credits: 4.0

Prerequisites:

MAT 2500

PHY 2402

MAT 2500 :D- and PHY 2402 :D-

Program: Electrical and Computer Engineering