

Electromagnetics (2) [3 Cr. H	0904345	Pre-req. [0904245]
<p>Review of Maxwell's equations. Plane wave propagation in lossy, free space, good conductors, and lossless media. Reflection, refraction, and scattering. Pointing vector. Wave polarization. Transmission line (TL) equations and parameters: input impedance, SWR and power. Applications of TL charts. Matching in TL. Impedance measurement at high frequencies. Waveguides: TM, TE modes, and mode excitation' introduction to antennas.</p>		