EEGR6316 - Fields and Waves

**EEGR 6316** Fields and Waves (3 semester credit hours) Study of electromagnetic wave propagation beginning with Maxwell's equations; reflection and refraction at plane boundaries; guided wave propagation; radiation from dipole antennas and arrays; reciprocity theory; basics of transmission line theory and waveguides. Prerequisite: (EE 4301 or equivalent) and instructor consent required. (3-0) Y