

ECEN 4613 - Microwave Engineering

Aspects of propagation, transmission, and radiation of microwave energy. Plane wave propagation; lossless and lossy media, reflection, refraction, and polarization. Transmission line theory; lumped element model, characteristic impedance, impedance matching, and transient response. Theory of waveguides and cavity resonators. Microwave network theory and S-parameters. Introduction to radiating systems. Prerequisite(s): ECEN 3613; degree program requires admission to Professional School prior to enrollment.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate, Undergraduate

Schedule Types: [Lecture](#)

Elec & Computer Engr Department

Course Attributes:

College of Eng Arch & Tech, Upper Division Requirement