

# ECE 5690: Microwave Networks

Plane wave propagation; propagation in TEM transmission lines and waveguides; IMPATT; TRAPAT; Gunn-Effect and parametric devices; microstrip lines and microwave integrated circuits; laboratory work includes measurement of SWR, impedance, and power at microwave frequencies. Three lecture hours and a two-hour practicum per week.

**Credits:** 4

**Prerequisites:**

ECE 3530

ECE 3690

ECE 3530 and ECE 3690

**Program:** [Electrical and Computer Engineering](#)