

ETRO 106 : Circuit Analysis II

Studies Ohm's law, Kirchoff's laws, Thevenin's theorem, and maximum power theorems as applied to AC circuits and waveforms. Reinforces troubleshooting and circuit analysis skills. Introduces magnitude and phase, rectangular and polar forms for sinusoids, impedance, and power vectors. Studies time domain and frequency domain solutions for capacitive and inductive circuits. Demonstrates high pass, low pass, band pass, and band stop filter circuits.

Credits 4

Lecture/Lab Credits 120

Teaching Equivalent 6.67

Prerequisites

ETRO 105 with grade C or better, or consent.