

Biomedical Electronic Measurements

BME253L (Fall 2025)

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Complex Impedance, AC Signals, Phasors			Impedance
AC RLC Circuit Analysis Passive Filters Transfer Functions & Bode Plots (Frequency Domain)			Filters
Transient Response (Time Domain)			Transient Response

Module	Materials	Assessment	Lab Exercise
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Operational Amplifiers & Active Filters			Opamps
Transformers & Diodes			Transformers & Diodes
Midterm III (Dec 03, 2025)			
Wheatstone Bridge			Wheatstone Bridge: Temperature Measurement
Final Lab Practical (Dec 10, 2025)			