

Biomedical Electronic Measurements

BME253L (Fall 2025)

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ECAD (KiCad)	-> ECAD using KiCad: Schematic Capture -> ECAD using KiCad: SPICE Modeling		-> Schematic Capture & SPICE Simulation
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Capacitors & Inductors DC RC/RL Circuit Analysis	-> Reactive Components: Capacitors & Inductors	-> Problem Set 04	Capacitors, Inductors & Oscilloscopes
Complex Impedance, AC Signals, Phasors	-> Sinusoidal Signals -> Complex Impedance		Impedance

Module	Materials	Assessment	Lab Exercise
AC RLC Circuit Analysis Passive Filters Transfer Functions & Bode Plots (Frequency Domain) Midterm II (Oct 27, 2025)	-> Filters	-> Problem Set 05	Filters
Transient Analysis (Time Domain)	-> Transient Analysis		Transient Response
Operational Amplifiers & Active Filters	-> Operational Amplifiers (Op-Amps)		Coming Soon
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Wheatstone Bridge			Coming Soon
Final Lab Practical (Dec 10, 2025)			