

# 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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Complex Impedance, AC Signals, Phasors	-> Sinusoidal Signals -> Complex Impedance		Impedance

Module	Materials	Assessment	Lab Exercise
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Transient Analysis (Time Domain)	-> Transient Analysis		Transient Response
Operational Amplifiers & Active Filters	-> Operational Amplifiers (Op-Amps)	Operational Amplifiers	Operational Amplifiers
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Wheatstone Bridge & Sensors Midterm III (Due: Dec 03, 2025) Final Lab Practical (Due: Dec 10, 2025)			Final Project / Lab Practical