## **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 Complex Impedance, AC Signals, Phasors	-> Reactive Components: Capacitors & Inductors -> Sinusoidal Signals -> Complex Impedance	-> Problem Set 04	Capacitors, Inductors & Oscilloscopes Impedance

Module	Materials	Assessment	Lab Exercise
AC RLC Circuit	-> Filters		Filters
Analysis Passive			
Filters Transfer			
Functions & Bode			
Plots (Frequency			
Domain)			
Transient Response			Transient Response
(Time Domain)			
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2025)			
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Amplifiers & Active			
Filters			
Transformers &			Transformers &
Diodes			Diodes
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2025)			
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<u> </u>			Temperature
			Measurement
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