

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 |
| Midterm I (Sep 22, 2025) | | | |
| 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 |

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| 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) | | Operational Amplifiers |
| Transformers & Diodes Midterm III (Dec 03, 2025) | | | Coming Soon |
| Wheatstone Bridge Final Lab Practical (Dec 10, 2025) | | | Coming Soon |