

Spring 2022

MENG 3123 Measurements and Instrumentation Lab

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Office Hours: MWF 9:00 AM -9:50 AM; T 10:00 AM-11:50 AM; Other days and times by appointment.

Lab Hours: R 1:30-3:20 PM (21A)

Lab Location: MY 116 (McCoy Engineering Hall 116)

Lab Schedule:

Lab 1: NI Elvis Workspace Environment (*Week 1*)

Lab 2: Impedance and AC Response (*Week 2*)

Lab 3: Operational Amplifiers and Filters (Part I) (*Week 3*)

Lab 4: Operational Amplifiers and Filters (Part II) (*Week 4*)

Lab 5: Visualization of Digital Byte Patterns Using Diodes (*Week 5*)

Lab 6: Strain Measurement and Displacement Calibration (*Week 6*)

Lab 7: Rotational Motion Measurement (*Week 7*)

Lab 8: Temperature Measurement (*Week 8*)

Lab 9: Measurement of Vibration (*Week 9*)

Lab 10: Calibration of Load Cell and Torque Transducer (*Week 10*)

Lab 11: Strain Rosette, Rotational Speed, and Displacement (*Week 11*)

Make-Up Lab (*Week 12*)