

Before MIDS			
Week#	Topic	Topic#	Resource
1	Chap#2 Measurement Errors Design Problems Assignment 1 Quiz 1	2.1 Gross errors & systematic errors 2.2 Absolute errors & Relative errors 2.3 Accuracy, Precision, Resolution, and Significant Figures 2.4 Measurement error combinations 2.5 Basics of Statistical Analysis	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
2	Chap#3 Electromechanical Instruments Design Problems Assignment 1 Quiz 1	Introduction 3.1 Permanent-Magnet Moving-Coil Instrument 3.1.1 Deflection Instrument Fundamentals 3.1.2 PMMC Construction 3.1.3 Torque Equation and Scale	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
3	Chap#3 Electromechanical Instruments Design Problems Assignment 1 Quiz 1	3.2 Galvanometer 3.3 DC Ammeter 3.3.1 Ammeter Circuit 3.3.2 Ammeter Scale 3.3.3 Shunt Resistance 3.3.4 Swamping Resistance 3.3.5 Multirange Ammeters	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
4	Chap#3 Electromechanical Instruments Design Problems Assignment 1 Quiz 1	3.4 DC Voltmeter 3.4.1 Voltmeter Circuit 3.4.2 Swamping Resistance 3.4.3 Voltmeter Sensitivity 3.4.4 Multi-range Voltmeter 3.5 Rectifier Voltmeter 3.5.1 PMMC	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)

		instrument on AC 3.5.2 Full wave rectifier voltmeter 3.5.3 Half wave rectifier voltmeter	
5	Chap#3 Electromechanical Instruments Design Problems Assignment 1 Quiz 1	3.6 Rectifier Ammeter 3.8 Series Ohmmeter 3.9 Shunt Ohmmeter	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
6	Chap#3 Electromechanical Instruments Design Problems Assignment 1 Quiz 1	3.11 Electrodynamic Wattmeter Design problems	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
7	Chap#4 Analog Electronic Volt-Ohm-Milliammters Design Problems Assigment 2 Quiz 2	Introduction 4.2 Operational Amplifier Voltmeter circuits 4.3 Ohmmeter Function In Electronic Instruments 4.4 AC Electronic Voltmeters	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)
8	Chap#4 Analog Electronic Volt-Ohm-Milliammters Design Problems Assigment 2 Quiz 2	4.5 Current Measurement with Electronic Instruments 4.7 Multimeter Probes	Text Book: Electronic Instrumentation and Measurements by David A.Bell (second edition)