

University Diploma Programs
EET-027, Electronics Instrumentation

Lab Instructor: MUHAMMAD AJMAL KHAN
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Week	Date	Exp No.	Title
1	11 – 16 Feb.		No Lab
2	18 – 22 Feb.	1	Study and Identification of Various Sensors
3	25 Feb – 1 Mar	2	Ohm's Law Verification and Balanced Bridge Circuit
4	4 – 8 March	3	Wheatstone bridge and measure resistance using Wheatstone bridge equipment.
5	11 – 15.March	4	Material Behavior
6	18 – 22 March	5	Thermocouple Voltage Measurement Quiz # 1: This quiz will be based on Experiments 1, 2, 3 and 4.
7	25 – 29 March.	6	Strain Gauge Application and Measurement of Unknown Load
8	1 – 5 April		No Lab. (April 1-2 is the midterm break)
9	8 – 12 April	7	Strain Gauge Measurement using Strain Indicator. Quiz # 2: This quiz will be based on experiments 5 and 6.
10	15 – 19 April	8	Strain Gauge Measurement by Applying Displacement using Strain Indicator
11	22 – 26 April	9	Linear Variable Differential Transformer Measurements Quiz # 3: This quiz will be based on experiments 7 and 8.
12	29 Apr – 3 May	10	Event Counting using Slotted Opto Switch
13	6 – 10 May	11	X – Y Recorder – Usage and Data Logging
14	13 – 17 May	12	PC-Based Data Logging
15	20 – 24 May		LAB FINAL EXAM

Lab 20 Points Distribution:

Lab Reports = 3
 Three Quizzes = 6
 Lab Performance = 2
 Final Lab Exam = 9

Lab Hours: Tuesday 6:50 PM – 9:50 PM at Building 7 Room 208.

Office Hours: SUN, TUE, 1:15 – 2:00 PM. OR Appointment by Email or Phone.