

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3	5/12	Unit - I	I	B.B		
1	6/12	Introduction to Instrumentation	I	B.B		
3	7/12	Functional description of measurement system	I	B.B		
4	9/12	examples of P.I static characteristics	I	B.B		
1	13/12	dynamic characteristics	I	B.B		
3	14/12	Sources of errors & elimination methods	I	B.B		
4	16/12	classification of pressure gauges & manometers	I	B.B		
3	19/12	electric type gauges	I	B.B		
1	20/12	thermal conductive ionization gauges	I	B.B		
3	21/12	McLeod gauge.	I	B.B		
		calibration techs.				
		Unit - II				
4	23/12	classification of strain gauges	II	B.B		
3	26/12	Gauge factor determination	II	B.B		
1	27/12	methods of uses of strain gauges	II	B.B		
3	28/12	Expansion type of thermometers	II	B.B		
4	30/12	Resistive type thermometer	II	B.B		
3	26/1/17	thermocouples	II	B.B		
1	31/1/17	pyrometers	II	B.B		
3	4/1/17	Rotameter	II	B.B		

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4	6/1/17	magnetic flow meter	<u>I</u>	B.B		
3	9/1/17	ultrasonic flowmeter	<u>I</u>	B.B		
1	10/1/17	Turbine flow meter H/H & Breach monitor.	<u>I</u>	B.B		
		Unit - III				
3	11/1/17	Inductive Displacement Transducer	<u>III</u>	B.B		
1	12/1	capacitive Displacement Transducer	<u>III</u>	B.B		
3	18/1	Resistive Displacement Transducer	<u>IV</u>	B.B		
4/3	23/1	Semicon. (Mettler) weighing	<u>III</u>	B.B		
1	24/1	vibrometers accelerometer	<u>III</u>	B.B		
3	25/1	Elastic force measurement	<u>III</u>	B.B		
4	27/1	Load cells	<u>IV</u>	B.B		
3	30/1	Torsion meters Dynamometer	<u>III</u>	B.B		
		Unit - IV				
1/3	31/1 1/2	Classification of control sysm.	<u>IV</u>	B.B		
4/3	3/2 6/2	Types of systems & order of system.	<u>IV</u>	B.B		
1/3	7/2 8/2	Response of 1st order system to step input.	<u>IV</u>	B.B		
4/3	10/2 13/2	Response of 2nd order system to step input.	<u>IV</u>	B.B		
1/3	14/2 15/2	effect of pole & zero on time response.	<u>IV</u>	B.B		
	20/2 21/2	dominant pole concept & settling time	<u>IV</u>	B.B		
3/3	22/2 27/2	Root locus criteria for stability	<u>IV</u>	B.B		

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43 44	1/3 4/3 28/2 1/3	Root-locus	IV	B.B	
45 46	3 1 6/3 7/3	problem of PH	IV	B.B	
		UNIT - V			
47 48	3 4 8/3 10/3	Nyquist Stability Criteria	V	B.B	
49 50	3 1 13/3 14/3	Relative Stability Gain margin Phase margin	V	B.B	
51 52	3 4 15/3 17/3	mp WP & BW gain margin	V	B.B	
53 54	3 1 20/3 21/3	PID controller design	IV	B.B	
5	3 22/3 24/3	PI PI, control	V	B.B	