Sample lesson plan

Year 2015-16 Sub – Electrical & Electronics Measurement

LESSON PLAN

Department _____Electrical

Class SE

Subject <u>EEM</u> Sem <u>III</u> Lect/Week <u>4</u>

Lec.	The law and	Planned Date			Date of Actual coverage			
No.	Topics to be covered	Div.	Div.	Div.	Div.	Div.	Div.	
01	1. Introduction to Measure-		2017/15	1.1.1	and the	2017115		
	ment - (Analog Instruments)				· 4 .	in ore		
02	Errors in measurement.		22/7/15	11 11.00	are and	22/7/15		
03	difference bet" indicating		23/7/15	et e p		2817115		
	& integrating instrument	19 I.			10	t. Care	. <u>(</u> . e	
04	Moving coil & moving iron		2417115	1	- se des	2417/19	-	
-	Voltmeter & Ammeters	_		1.1	in a second	1.		
05	Extension ranges by		27 7115	S without		27/7/19	-	
· · ·	using shunt multiplier					n		
	instrument transformer.				8 81 - 104 10 - 104	distant		
OG	Dynamometer type wattmeter		29/7/15		1	28/7/1		
	& Power factor meter				4.15	an in	11 2	
07	Reed moving coil type		30/7115		18 L. J. L	29/7/1	5 4 4	
10.1	frequency meter.	4			Land 1	2.5	× - (
08.	weston- type synchronian-		3/7/15	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		30/7/10		
	Scope					S CLOSED		
09	DC Permanent magnet		3 8 15			3/8/15		
	moving coil type galvanome.	1	20.45	in .		and the	5.	
1	ters.				Alterity .	and all	1.6	
10-	Ballastic galvanometer		58115	जेवीला -	• . • •	3/8/15		
11.	Ac Vibration galvano-		618115	- 1 I I	ed in	erte d	5.0	
	meter.	-			. K. 18	1.104	1.0	
12			718115	the s	1.	5/8115	2.4	
13	Methods of measurement		10/8/15			618115		
156	Lignificance	1	$(-MU^{*})^{(1)}$	Section 1.	1 1 - 1 -	1	.40	
02.	Princip to co				$\{1,1,1,2,\dots,n\}$	84		
020	Trincipio of Digital	S	10/8/15	as in i	$p_1^* = 0_1$	11/8/15	5	
-	Instrument.	1. J		1		1.1.2	1	

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Lec.	Topics to be covered	Div.	Planned Da Div.	Div.	Date of Div.	Div.
No.		DIV	12/8/15	• •	12/8/15	
01	Introduction to Digital		·			$\mathbb{Z}_{q} \rightarrow d$
02	instrument. Advantages of digital	2	1318115		13/8/15	
0.2	meters over analog meters.		e. der	a* *	·	
03.	0 5		1418115	1 (C. 1997)	141815	u e
0.5.	of digital meters.		124	in turt t	1.00	61.4
04			17/8/15	Same and	14/8/15	
	digital voltmeter, Amme-	ĨV.		1.123.2		1.1010
	ter.		2.8°	i r i șt șt -	l'and	r i
05	Frequency meter		19/8/15	1	17/8/15	n anda
06	Phase meter		2018115	(<u>1</u>	2018/15	
07			21/8/15	·	21/8/15	
08	Tachometer.		2418115		22/8/15	
09	Multimeter.		26/8/15		2418/15	
10					110/15	
	chapter.			1		1.1
	64, ⁴ 10	1 	1	Catholas	tan U.S.	
03.	Measurement of Resistance		5 mg * .	Strin *	tree Part	1.10
01	Introduction				an i she	
02	Wheatstones Bridge	£	27/8/15	A. Starter	26/8/15	la general.
03	Kelvin's double bridge	4	28 8115		2718/19	- 1
04	Meggee.		818115			
05	Revision of 3rd chapter.	ь.,		N.S. S	28/8/45	
04.	Meonuberrach	:		a		1.0
• <u>T</u>	Measurement of Inductance		2/9/15		219115	1.10
01	a curice.			8 - 44 - 1999 - 199	-1110	
	Maxwell's inductance Bridge		219115	alt i f	alalin	i da
1	Undye	1	10110	12112	419115	2011

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ec.		Planned Date			Date of Actual coverage			
No.	Topics to be covered	Div.	Div.	Div.	Div.	Div.	Div.	
02	Maxwell's inductance &	3 9115		4/9/15		1.011		
	Capacitance bridge.			$(-,1)^{-1} = 0$	5.4	11.1		
03	Hays Bridge	4/9/15		719115		1.4.5		
04	Anderson's bridge	719115		7/9/15		1 S. 13	and a t	
05	0.1	9915				1895 at 1	5	
06	schering Bridge, groeter.	101915	2 4	10/9/15	$(b^{-1})_{ij} \in \mathbb{R}$	1-1	·	
	0 0 5	1 E	k tan	i on to 🐪	4110		2	
5.			t (* 1975) 1975	340.15	$e^{i(1)} \geq e^{i(1)}$	100		
01	Working principle of	11/9/15		10/9/15	10.1	1.1.1		
	Crompton's types & its							
2	Application	14 9 15		1319115				
03	Calibration of voltmeter	1619115		13/9/15				
04	ammeter & Wattmeter	181915		1419115				
						-		
6.	Transducer.							
21	Electrical transducee		lana i an					
	active & passive	2/19/15		1919115	н.) 			
. 48	transducer.							
2.	Resistive tranducer	2319115		2/19/15				
	Potentiometer, Resistance					-		
- 3	Pressure transducer	11	1	And the second				
3.	Resistive Position	24/9/15		23 9115		5. J.T.		
	transolucer			a second a second				
4	Temp. transduceb	25/9/15		25/9/15				
5	Resistance Thermometer,	28/9/15		28/9/15				
	Thermistor, Thermocouple		1				and an and a	
6	RTD	30/9/15		3019115			and all and a	
7	Inductive Transducer	1/10/15	¥ * 1	1/10/115			5	

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	rtment <u>Elechical</u> ct <u>EEM</u> Sem			Lect/Weel			
		T - T	Planned D	anned Date		Date of Act	
Lec. No.	Topics to be covered	Div.	Div.	Div.	Div.		
	Using self inductance	210115	1	1/10/15	1.1 1	1	
	Variable Reluctance			A. C.	3	1	
	type		19	• • •	11 mg		
08.	Differential output	5/10/15	- <u>x</u>	7/10/15	12 Å	0.3	
:	transducer LVDT, RVDT				100	. iut	
20	Capacitive transducer	7/10/15	 10 - 1 	7/10/15		-	
10.	Piezo Electric transducer			8/10/15			
	Photo emissive, conductive,			9/10/15	• <u></u>	14	
_	Photo voltaic	10/10/5		14/10/15	1	1-5-1	
- /			2	1 1 4 day	and a second		
			25			1/2	
	72-64 A.S.	- <u>6.</u> 	<u> </u>	- 0	1 1	1. 1	
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					<u></u>	-	
					- 13 - 122 - 4	1.1	
		1		111	:32+	34.73	
		11 A.			·	(a. 13	
		State .		And a	<u>- 4. 50</u>		
			To Ar.			+ 1×11	
						2.2	
1		1. A	· I	11.211.4		1. G	
			~~		17.A. 81	1994) 1975 - 194	
		11		A making	de la	-	
		1	. 2013	and			
	Partent		1	Contraction of the	1977	1.1.1	
	2000	1.00	2				
	Sub Teacher Boothe		1. Sec	Pirt mar		1. 1	