

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
7	19/3	Concept of Control Systems	1	Class Room		
8	19/3	open loop and closed loop control systems	1	✓		
5	20/3	Their differences	1	✓		
		Different examples of control systems		✓		
1	21/3	Classification of Control systems		✓		
				✓		
4	24/3	Feedback characteristics and effect of feedback		✓		
7	26/3	Mathematical eqns differential eqns.		✓		
8	26/3	Impulse response and Transfer function	1	✓		
5	29/3	Translation and rotational mechanical systems	1	✓		
7,8	2/4	Transfer function of DC Servo motor	2.	✓		
5	3/4	AC Servo motor	1	✓		
1	4/4	Synchro transmitter and receiver	1	✓		
4	7/4	Block diagram representation of system	1	✓		
7	9/4	Block diagram Algebra	1	✓		
8	9/4	Representation by signal flow graph	1	✓		
		Reduction using	1	✓		
4	10/4	Mason's gain formula	1	✓		
			1	✓		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	11/4	standard test signals	3	class Room		
4	14/4	Time response of first order systems	4	4		
	16/4	characteristic eqn of feedback control systems.	4	4		
7,8	16/4			4		
	16/4	Transient response of Second order systems		4		
	16/4	Time domain specifications		4		
4	17/4	Steady state response		4		
1	18/4	steady state errors & error constants		4		
4	21/4	Effect of proportional derivative		4		
7	23/4	proportional integral systems	4	4		
8	23/4	Stability analysis in s-domain	4	4		
4	24/4	Routh stability		4		
1	25/4	Criterion	4	4		
4	28/4	qualitative stability	4	4		
	30/4	Conditional stability	4	4		
7,8	30/4	Limitations of	4	4		
	30/4	Routh's criteria		4		
4	1/5	problems	4	4		
1	2/5	4	4	4		
		4	4	4		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	17/5	Introduction	5	class Room		
		frequency domain specifications	5	4		
7,8	21/5	Bode Diagrams		4		
		"		4		
4	22/5	Determination of frequency domain specifications	5	4		
1	23/5	"		4		
4	26/5	transfer function from Bode diagram		4		
		"		4		
7,8	28/5	Phase margin and gain margin	5	4		
		Stability analysis from Bode plots	5	4		
4	29/5	polar plots	6	4		
1	30/5	"	4	4		
4	2/6	"	4	4		
7,8	4/6	Nyquist plots		4		
4	5/6	stability analysis	4	4		
4	12/6	"		4		
4	15/6	"	4	4		
		"	4	4		
7,8	18/6	"	4	4		
		"	4	4		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	19/6	Compensation	7	class room		
1	20/6	Techniques	"	"		
4	23/6	"	"	"		
7	25/6	lag controller	"	"		
8	"	lead controller	"	"		
9	26/6	lag-lead controller	"	"		
1	27/6	"	"	"		
4	30/6	PID controllers	"	"		
7	2/7	state space analysis	8	"		
8	2/7	of continuous systems	"	"		
85	3/7	concept of state	"	"		
1	4/7	state variables	"	"		
4	7/7	state model	"	"		
7,8	8/7	derivation of state models	"	"		
5	10/7	Diagonalization	"	"		
1	11/7	Solving time invariant systems	"	"		
4	14/7	state transition matrix	"	"		
7,8	16/7	its properties	"	"		
5	17/7	concept of controller	"	"		
1	18/7	Observability	"	"		

write tentative dates & teaching methodology
 9/4/14