

Seminar Agenda

Day	Chap	Topic	Hours	Instructor
Day 1				
AM		Registration and Orientation Session	0.5	
	A	Hydraulic Systems Overview	1.5	
	B	Basic Concepts Review	2.0	
PM	C	Hydraulic Component Sizing Calculations	1.0	
	Lab	Lab. BH1- Energy Losses in Hydraulic Conductors	1.0	
	D	Hydraulic Pumps and Motors	2.0	
Day 2				
AM	D	Hydraulic Pumps and Motors, Contd.	2.0	
		Lab. BH2 – Hydraulic Motor Performance Evaluation	1.0	
	Lab	Inspect Pumps and Motors	1.0	
PM	E	Hydraulic Valves Overview	4.0	
Wednesday				
AM	Lab	Lab. BH3 – Valve Coefficient Development	1.0	
	F	Hydraulic Linear and Rotary Actuators	1.5	
	Lab	Lab. BH4 - Motion Control of Hydraulic Cylinder	1.0	
	G	Hydraulic Accumulators	0.5	
PM	Lab	Inspect Valves, Actuators and Accessories	1.0	
	H	Hydraulic Circuits for Basic Applications. Part 1	2.0	
	Lab	Lab. BH5 – Control of Overrunning Loads	1.0	
Thursday				
AM	H	Hydraulic Circuits for Basic Applications. Part 2	1.0	
	Lab	Lab. BH6 – Speed Control of Hydraulic Cylinder	1.0	
	H	Hydraulic Circuits for Basic Applications. Part 3	1.0	
	Lab	Lab. BH7 – Boosting Speed of Hydraulic Cylinder	1.0	
PM	H	Hydraulic Circuits for Basic Applications. Part 4	1.0	
	Lab	Lab. BH8 - Sequence Operation of Hydraulic Cyl. Last Lab Instructions	1.0	
	I	Hydraulic Fluids Basic Requirements	1.0	
	J	Basics of Hydraulic System Contamination Control	1.0	

Note:

AM Session 08:00 – 12:00

PM Session 01:00 – 05:00

Schedule Subject to Change due to room or personnel conflicts.

Minimum 80% attendance is required for satisfactory completion