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## Training Session Itinerary

(Prerequisite is 1 day RFL on Hydraulics, Automatic Control valves, Air Valves, Check valves.)

8 00 am **Introductions**, Course outline & objectives

8 15 am **Shut off valves**  
(Comparison of types with merits/demerits of each)

### **Flow metering**

9.00 am Flow metering

10.00 am Coffee break

10.15 am Flow metering continued

### **Automatic Control Valves (advanced).**

11.00 am Review of operation of an ACV & PRV

Plus a short review of material covered in the previous module covering the following: -

- Pressure sustaining
- Surge relief.
- Anticipating Surge relief.
- Rate of rise surge relief.
- Altitude (level) control.
- Pump control

12.00 Lunch

### **Leakage & Advanced control valve applications.**

12.30 pm Discussion of leakage issues (basic)

1.30 pm Pressure flow control (PFC)

1.45 pm Pressure flow control. (CM & 4-20DC)

2.00 pm Anti Cavitation theory & selection,

2.15 pm Integral Back up valve,

2.30 pm Pressure differential sustaining & valves with flow metering,

2.45 pm Electronic control theory of operation & applications.

3.15 pm **Close up**, questions, closing comments and course evaluations,

3.30 pm **Approximate Finish time**