
Day 1

7:30 a.m.	Light Breakfast
8:00 a.m. – 8:15 a.m.	Welcome and Introductions
8:15 a.m. – 8:45 a.m.	Course Introduction – discuss general structure and goals for the week
8:45 a.m. – 9:30 a.m.	Codes and Standards – history/evolution of regulatory environment
9:30 a.m. – 10:00 a.m.	Flow Equations – pipe sizing and capacity calculations
10:00 a.m. – 10:15 a.m.	Break
10:15 a.m. – 11:00 p.m.	Flow Equations (continued)
11:00 a.m. – 12:00 p.m.	Route Selection – process, participants, concepts in route selection
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 1:30 p.m.	Route Selection (continued)
1:30 p.m. – 3:00 p.m.	Pipe Design – pressure containment design
3:00 p.m. – 3:15 p.m.	Break
3:15 p.m. – 4:30 p.m.	Mainline Valves – valve spacing requirements

Day 2

7:30 a.m.	Light Breakfast
8:00 a.m. – 8:15 a.m.	Review of Day 1
8:15 a.m. – 9:00 a.m.	Blowdown Time – time to blowdown a pipe segment
9:00 a.m. – 10:00 a.m.	Over Pressure Protection – OPP – primary and backup pressure control
10:00 a.m. – 10:15 a.m.	Break
10:15 a.m. – 10:30 a.m.	Over Pressure Protection – OPP (continued)
10:30 a.m. – 12:00 p.m.	Gas Quality – chemistry and contaminant limitations on a gas stream

12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:30 p.m.	Valves and fittings – typical components in the natural gas industry
2:30 p.m. – 3:00 p.m.	Valve Set Design – layout/material specifications
3:00 p.m. – 3:15 p.m.	Break
3:15 p.m. – 3:30 p.m.	Valve Set Design (continued)
3:30 p.m. – 4:30 p.m.	Branch Connections – rules for re-enforcement

Day 3

7:30 a.m.	Light breakfast
8:00 a.m. – 8:15 a.m.	Review of Day 2
8:15 a.m. – 9:30 a.m.	Launchers and Receivers – layout/material specification, operation
9:30 a.m. – 10:00 a.m.	Misc. Code – various code requirements
10:00 a.m.– 10:15 a.m.	Break
10:15 a.m. – 10:30 a.m.	Misc. Code
10:30 a.m. – 11:45 p.m.	Road and Railroad Crossings – crossing design
11:45 p.m. – 12:45 p.m.	Lunch
12:45 p.m. – 2:00 p.m.	Streams and Rivers – crossing design, buoyancy control
2:00 p.m. – 3:00 p.m.	Cathodic Protection – concepts, components in a CP system
2:45 p.m. – 3:00 p.m.	Break
3:00 p.m. – 4:00 p.m.	Hydrotesting – code requirements and making a hydrotest plan
4:00 p.m. – 4:30 p.m.	Safe Work Procedures – equipment and process control for tie-in work

Day 4

7:30 a.m.	Light Breakfast
8:00 a.m. – 8:15 a.m.	Review of Day 3
8:15 a.m. – 9:00 a.m.	Non-Destructive Testing – code requirements for NDT

9:00 a.m. – 10:00 a.m. [Other Impacts of the Mega Rule](#) – Brief overview of issues/requirements associated with the new Mega Rule

10:00 a.m.– 10:15 a.m. Break

10:15 a.m. – 11:30 a.m. [Review of Course and Goals](#)

11:30 a.m. Workshop Adjourn