



Course 9010

CEU's: 2.8

Overview

This 4-day course provides those preparing for advancement in the fluid process controls industry with the basic, overall knowledge they need to further their careers. Major aspects of fluid process control (meas. devices, controllers, final control elements, and fundamental control methods), ISA terminology and symbols are covered by classroom presentations and examples. Practice examinations are provided to improve test-taking skills and minimize "test anxiety". The end goal of the course is to raise the levels of skill and confidence of those preparing to take examinations associated with certifications such as the ISA Certified Control Systems Technician (Level 1).

Prerequisites Some experience with process measurement and control may be helpful.

Topics

- Process Control Terminology and Symbols (ISA)
- Process Loop Introduction
- Measurement Instrumentation for:
Flow; Level; Temp; Pressure; Chemical Analyses
- Instrument Calibration Concepts
- Final Control Elements: Control Valves; Actuators
- Controller Types
- Loop Dynamics, Tuning and Control
 - Proportional, Integral, Derivative Control
 - Open and Closed Loop Testing
 - Ziegler-Nichols Tuning
 - Lambda Tuning
- Practice Examinations

Course Location Control Dynamics
201 Wylderose Dr.
Midlothian, VA 23113

Sponsored By: Control Dynamics

To Enroll or for More Information Contact Connie Goodman (804) 858-5800 or e-mail Connie.Goodman@Control-Dynamics.com

Course Dates July 10-13, 2007 (Session #0009)

Registration Deadline 3 weeks prior to course date

Price \$2,000 USDL

Purchase order or payment is required at the time of enrollment. PO, checks & credit cards acceptable and made payable to **Control Dynamics**.
Cancellations: If your plans or budgets change, you may cancel your reservations up to 14 calendar days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to the start of the course, and full tuition for failure to attend without canceling. Substitutions are accepted until the first day of class.

Providing Training with the Latest in Process Control Methods & Technology!

Enroll Today- Enroll Right Now- Seating is Limited.

Please Call: Connie Goodman 804/858-5800 or

E-mail: Connie.Goodman@Control-Dynamics.com



Educational Services
Phone: 800-338-8158 or
1+641-754-3771
e-mail: education@emersonprocess.com
website: www.emersonprocess.com/education

