Instrumentation
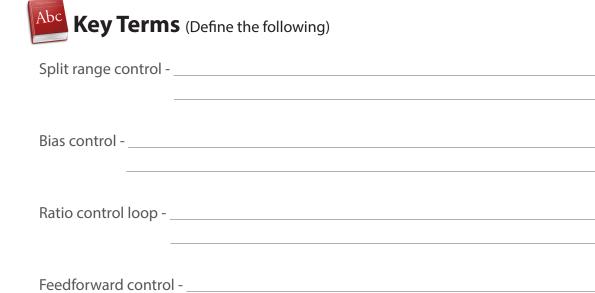# Advanced Process Control Strategies

✅ Course Objectives

1. Describe these advanced control strategies: cascade/remote setpoint (master/slave), ratio, split range, multivariable, feedforward, feed forward with feedback, and selector controllers.

2. Identify control schemes by viewing P&IDs.

Key Terms (Define the following)

Split range control - _____

_____

Bias control - _____

_____

Ratio control loop - _____

_____

Feedforward control - _____

_____

Questions

1. _____ is a control strategy combining two control loops so a master controller provides a set point for a slave controller.
   - ☐ Ratio
   - ☐ Cascade
   - ☐ Bias
   - ☐ Split range

2. Feedforward control does not manipulate the variable it is measuring.
   - ☐ True
   - ☐ False

3. A control strategy choosing from multiple measurement inputs to select the optimal control response is called _____.
    ☐ feedforward
    ☐ selector
    ☐ feedforward with feedback
    ☐ open loop