

Course Objectives

- 1. Define a process.
- 2. Distinguish between a batch process and a continuous process.
- 3. Define process variable.
- 4. Define process control.
- 5. Explain the operation of a simple closed control loop, including its key components.
- 6. List the benefits of feedback control.
- 7. Describe the difference between local/field and remote control
- 8. Relate target values, control limits, operating parameters and set points to process control.
- 9. Explain the purpose of a distributed control system (DCS).
- 10. List the elements that are incorporated in process design.

Key Terms (Define the following)

process
batch process -
continuous process -
parameter -
process variable
set point

con	troller
Dist	ributed Control System (DCS)
	Questions
1.	List the components of a process.
2.	List the order of events in a simple control loop.
3.	A controller compares the current reading to the
4.	What are some advantages of an automated control loop?
5.	List two functions of a DCS.
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6.	List the elements that are incorporated in process design. Give an example of a process design which addresses each element.