
SECTION HEADING

MECH 1170: Fluid Power III

Description

Credits

1

Prerequisite

None

Corequisite

Concurrent Enrollment with RNEW 1160

Topics to be Covered

1. Signal devices
2. Measurement devices for flow rate, pressure, temperature, and analytical control
3. Control concepts

Learning Outcomes

1. Identify and interpret process instrumentation and the most common process variables monitored by process instrumentation.
2. Describe the general function of an instrument system and identify the basic instruments/devices and the function of each.
3. Identify basic operator responsibilities associated with process control.
4. Explain the functions of the basic elements of an automated process control system.
5. Describe the functions of the basic elements of an automated process control system.
6. Explain the general operation of a complex PID process control scheme.

Credit Details

Lecture: 0

Lab: 1

OJT: 0

MnTC Goal Area(s): None