



PLBT 2300 SYLLABUS

Course Number Course Name	PLBT 2300 Pneumatic Controls
Credit Value (Breakdown of theory and lab credits)	0.5 (0.5 Lab)
Catalog Course Description	This course will introduce students to pneumatic controls. Although they are slowly being phased out, there are many legacy systems still in operation today that work fine. This course deals mainly with troubleshooting existing systems. Areas to be explored are Control loops and air supply; Control valves and dampers; Axillary devices; Receiver controllers and transmitters; Ventilation, heating, cooling and humidity control; and Year-round control. Pre-requisites: None
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Student Learning Outcomes:</p> <ul style="list-style-type: none"> • Identify air compressor and air dryer components. • Determine proper air-line adjustments to obtain peak performance. • Demonstrate successful interpretations of air piping diagrams for pneumatic controls. • Demonstrate troubleshooting procedures for pneumatic controls.
College-Wide Student Learning Outcomes	<p><i>College Wide Student Learning Outcomes:</i></p> <p><i>Cultural Sustainability</i></p> <p><i>Critical Thought</i></p>