**ELM 233 Introduction to Instrumentation**

**Chapter 1: Introduction to Process Control**

**ABOUT THIS COURSE**

Module

**GUIDELINES FOR SUCCESS**

Read the module Course Description and complete the Learning Activities. When you think you understand the material, proceed to the Assessment Activities. See the instructor at any time for assistance.

**COURSE DESCRIPTION**

This course covers basic protecting workers from the unexpected start-up, or unexpected energization of equipment, circuits, or parts while maintenance is being performed. Protecting workers from exposure to live electrical parts Includes overhead and underground electrical distribution, including systems, equipment, circuits, and parts. This course may not transfer to a baccalaureate degree of art or science within the universities in the Nevada System of Higher Education (NSHE).

**COMPENTENCIES DEVELOPED IN THIS COURSE**

This course covers the basic and intermediate principles and practices of Fluid Power for both hydraulic and pneumatic systems. Students will learn and demonstrate applications of industrial use of fluid power components, theory and calculations of fluid control, measuring and calculations of fluid flow, pressure regulation, and troubleshooting, repair and maintenance techniques.

**Learning Activities**

1. Read Module
2. Complete the “Self Check Quiz” at the end of the chapter
3. Arrange to complete the module by completing the **Assessment Activities**

**GRADING INFORMATION**

All modules at Truckee Meadows Community College (TMCC) are Pass/Fail. You must achieve 90% or higher on all written assessments, and 100% or higher on all lab assessment activities in order to pass this module.

**ASSESSMENT ACTIVITIES**

Take a written assessment in the Resource Center

Go to the Resource Center to obtain your Lab Assessment assignment and proceed to the lab to complete the task;

**ADA Statement**

Students who feel they may need an accommodation based on the impact of a disability are encouraged to meet privately with their instructors to discuss their specific needs and must contact the Disability Resource Center at 775-673-7277 in RDMT 315 to establish documentation of a disability and to coordinate reasonable accommodations.

Equal Employment Opportunity

*TMCC/WNC/GBC is an EEO/AA (equal opportunity/affirmative action) institution and does not discriminate on the basis of sex, age, race, color, religion, disability, national origin or sexual orientation in the programs or activities it operates. Auxiliary aids and services are available upon request to individuals with disabilities.*

****U. S. Department of Labor

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DOL Attribution

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