FLUID POWER — IETA 1700

A. Course Description
   - Credits: 4.00
   - Lecture Hours/Week: 0.00
   - Lab Hours/Week: 0.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

   This course is an introductory course in hydraulics and pneumatics. This course is designed for students who have no previous experience working with hydraulics or pneumatic systems. The primary goals of this course are to help individuals acquire the knowledge and skills required to install, troubleshoot and maintain hydraulic systems.

B. Course Effective Dates: 9/18/19 – Present

C. Outline of Major Content Areas
   As noted on course syllabus

D. Learning Outcomes
   1. Assemble and disassemble hydraulic & pneumatic components.
   2. Connect electro-hydraulic & electro-pneumatic control devices
   3. Interpret hydraulic and pneumatic device specifications.
   4. Perform routine maintenance of hydraulic and pneumatic actuators, control valves and pumps.
   5. Plumb basic hydraulic and pneumatic circuits.
   6. Read and draw schematics of hydraulic and pneumatic systems.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted