



COURSE OUTLINE

STM860

Prepared: Mike King Approved: Corey Meunier

Course Code: Title	STM860: FLUID POWER SYSTEMS III
Program Number: Name	6232: STEAMFITTING ADV
Department:	PIPING TRADES
Semester/Term:	18S
Course Description:	This course will provide the apprentice with basic knowledge and understanding of Hydraulic and Pneumatic systems drawings, components, piping, piping supports, valves, and fluids .
Total Credits:	6
Hours/Week:	6
Total Hours:	48
Essential Employability Skills (EES):	<p>#1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>#2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>#3. Execute mathematical operations accurately.</p> <p>#4. Apply a systematic approach to solve problems.</p> <p>#5. Use a variety of thinking skills to anticipate and solve problems.</p> <p>#6. Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>#7. Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>#8. Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>#9. Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>#10. Manage the use of time and other resources to complete projects.</p> <p>#11. Take responsibility for ones own actions, decisions, and consequences.</p>
Course Evaluation:	Passing Grade: 50%, D
Other Course Evaluation & Assessment Requirements:	<p>Theory testing 60%</p> <p>Practical Application testing 10%</p> <p>Final Assessment 30%</p> <p>Grade Definition Grade Point Equivalent</p>

A+ 90 - 100% 4.00
A 80 - 89%
B 70 - 79% 3.00
C 60 - 69% 2.00
D 50 - 59% 1.00
F (Fail)49% and below 0.00

CR (Credit) Credit for diploma requirements has been awarded.
S Satisfactory achievement in field /clinical placement or non-graded subject area.
U Unsatisfactory achievement in field/clinical placement or non-graded subject area.
X A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR Grade not reported to Registrar's office.
W Student has withdrawn from the course without academic penalty.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
written tests	100%

Books and Required Resources:

booklet modules and handouts by instructor

Course Outcomes and Learning Objectives:

Course Outcome 1.

Upon successful completion the apprentice is able to understand and describe the safety, different types, purpose, characteristics, and applications of hydraulic and pneumatic systems.

Learning Objectives 1.

identify pneumatic and hydraulic systems
read and interpret drawings and sketches from both
identify correct behavior to avoid hazards from both
identify types of components required for both
define testing, start-up balancing and commissioning of both

Date:

Wednesday, April 25, 2018

Please refer to the course outline addendum on the Learning Management System for further information.