



COURSE OUTLINE

PLM863

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Course Code: Title	PLM863: TRADE DOCUMENTATION - LEVEL III
Program Number: Name	6242: PLUMBER - LEVEL III
Department:	PIPING TRADES
Semester/Term:	18W
Course Description:	This course provides the student with the knowledge required to identify, read and interpret plumbing and hydronic piping drawings as well as job specs for the ICI sector. Students will also learn to produce various plumbing drawings. Other topics covered in this course include bids and contracts and simple compound interest.
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>Final grade is calculated on the average of assignments and two tests completed during the eight week period.</p> <p>The following semester grades will be assigned to students:</p>

Grade
 Definition Grade Point Equivalent
 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
instructors tests	100%

Books and Required Resources:

handouts by instructors

Course Outcomes and Learning Objectives:

Course Outcome 1.

To understand blueprint documents, strategies, material pickoffs, and general ability to work professionally off a set of drawings or plans in the workplace.

Learning Objectives 1.

Upon successful completion of this course, the student will demonstrate the ability to:

Correctly draw orthographic views

Potential Elements of the Performance:

- identify the front, right side and plan views of a drawing
- lay out the drafting and correctly place the views or elevations
- make a drawing using approved guidelines

Correctly make isometric drawings from orthographic drawings

Potential Elements of the Performance:

- convert orthographic piping drawings to isometric piping drawings
- correctly space on the drafting paper, draw, and dimension the objects

Use a blue print to correctly design and draw the piping layout for a single family residence.

Potential Elements of the Performance:

- indicate the drain and venting system for the residence
- use a given scale to enlarge a particular section of the drawing
- size all piping according to Ontario Building Code Part 7

Date:

Thursday, March 1, 2018

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