



## COURSE OUTLINE: PLM863 - TRADE DOCUMENT. III

Prepared: Mike King

Approved: Corey Meunier, Chair, Technology and Skilled Trades

<b>Course Code: Title</b>	PLM863: TRADE DOCUMENTATION - LEVEL III
<b>Program Number: Name</b>	6242: PLUMBER - LEVEL III
<b>Department:</b>	PIPING TRADES
<b>Semesters/Terms:</b>	20W
<b>Course Description:</b>	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.
<b>Total Credits:</b>	6
<b>Hours/Week:</b>	6
<b>Total Hours:</b>	48
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>EES 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>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 3 Execute mathematical operations accurately.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 6 Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>
<b>Course Evaluation:</b>	Passing Grade: 50%, D
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<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> <p>Grade</p>



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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.

**Books and Required Resources:**

handouts by instructors

**Course Outcomes and Learning Objectives:**

Course Outcome 1	Learning Objectives for 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.	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

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
instructors tests	100%

**Date:**

February 10, 2020

**Addendum:**

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

