



## COURSE OUTLINE: PLM663 - TRADE DOCUMENT. I

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Approved: Corey Meunier, Chair, Technology and Skilled Trades

<b>Course Code: Title</b>	PLM663: TRADE DOCUMENTATION - LEVEL I
<b>Program Number: Name</b>	6240: PLUMBER - LEVEL I
<b>Department:</b>	PIPING TRADES
<b>Academic Year:</b>	2022-2023
<b>Course Description:</b>	This course provides the basic knowledge required for students to identify, interpret and draw piping systems using various drafting tools.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	2
<b>Total Hours:</b>	16
<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>	<p>Passing Grade: 50%, D</p> <p>A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p>
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<p>V. EVALUATION PROCESS/GRADING SYSTEM: The final evaluation will be based on the average of in-class assignments and two tests given during the eight week in - school training.</p>



The following semester grades will be assigned to students:

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.

**Books and Required Resources:**

handouts by instructor

**Course Outcomes and Learning Objectives:**

Course Outcome 1	Learning Objectives for Course Outcome 1
Trade Documentation for Level I - Plumbing serves as an introduction to drafting and drawings used in the construction field.	<p>Upon successful completion of this course, the student will demonstrate the ability to:</p> <p>Identify and use basic drafting tools.</p> <p>Potential Elements of the Performance:</p> <ul style="list-style-type: none"> <li>- select the set square required for the drawing</li> <li>- properly align the drawing paper</li> <li>- select the required scale</li> <li>- use the scale for to measure object or line sizes</li> </ul> <p>Identify and draw various drawings</p> <p>Potential Elements of the Performance:</p> <ul style="list-style-type: none"> <li>- define orthographic and isometric drawings</li> <li>- use the three principal views required for an orthographic drawing</li> <li>- make an isometric drawing from given orthographic sections</li> </ul> <p>Interpret construction drawings</p> <p>Potential Elements of the Performance:</p> <ul style="list-style-type: none"> <li>- identify piping symbols</li> <li>- determine lengths of piping</li> <li>- use piping symbols to determine pipe direction</li> </ul>

**Evaluation Process and Grading System:**

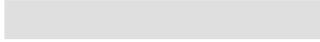
Evaluation Type	Evaluation Weight
instructor test	100%

**Date:**

July 11, 2022

**Addendum:**

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

 information.