



COURSE OUTLINE: PLM663 - TRADE DOCUMENT. I

Prepared: Mike King

Approved: Corey Meunier, Chair, Technology and Skilled Trades

Course Code: Title	PLM663: TRADE DOCUMENTATION - LEVEL I
Program Number: Name	6240: PLUMBER - LEVEL I
Department:	PIPING TRADES
Semesters/Terms:	19F, 20W, 20F
Course Description:	This course provides the basic knowledge required for students to identify, interpret and draw piping systems using various drafting tools.
Total Credits:	3
Hours/Week:	2
Total Hours:	16
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Essential Employability Skills (EES) addressed in this course:	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. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 50%, D
Other Course Evaluation & Assessment Requirements:	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. The following semester grades will be assigned to students: Grade Definition Grade Point Equivalent



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	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:	<table border="1"> <thead> <tr> <th>Course Outcome 1</th><th>Learning Objectives for Course Outcome 1</th></tr> </thead> <tbody> <tr> <td>Trade Documentation for Level I - Plumbing serves as an introduction to drafting and drawings used in the construction field.</td><td> Upon successful completion of this course, the student will demonstrate the ability to: Identify and use basic drafting tools. Potential Elements of the Performance: - select the set square required for the drawing - properly align the drawing paper - select the required scale - use the scale for to measure object or line sizes Identify and draw various drawings Potential Elements of the Performance: - define orthographic and isometric drawings - use the three principal views required for an orthographic drawing - make an isometric drawing from given orthographic sections Interpret construction drawings Potential Elements of the Performance: - identify piping symbols - determine lengths of piping - use piping symbols to determine pipe direction </td></tr> </tbody> </table>	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.	Upon successful completion of this course, the student will demonstrate the ability to: Identify and use basic drafting tools. Potential Elements of the Performance: - select the set square required for the drawing - properly align the drawing paper - select the required scale - use the scale for to measure object or line sizes Identify and draw various drawings Potential Elements of the Performance: - define orthographic and isometric drawings - use the three principal views required for an orthographic drawing - make an isometric drawing from given orthographic sections Interpret construction drawings Potential Elements of the Performance: - identify piping symbols - determine lengths of piping - use piping symbols to determine pipe direction
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Evaluation Process and Grading System:	<table border="1"> <thead> <tr> <th>Evaluation Type</th><th>Evaluation Weight</th></tr> </thead> <tbody> <tr> <td>instructor test</td><td>100%</td></tr> </tbody> </table>	Evaluation Type	Evaluation Weight	instructor test	100%
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Date:	June 20, 2019				
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.				

