



COURSE OUTLINE: PLM861 - PROC. PIPING SYSTEMS

Prepared: Mike King

Approved: Carolyn Hepburn, Dean, Indigenous Studies and Academic Upgrading

Course Code: Title	PLM861: PROCESS PIPING SYSTEMS
Program Number: Name	6242: PLUMBER - LEVEL III
Department:	PIPING TRADES
Semesters/Terms:	20W
Course Description:	The students will perform various process piping systems service, maintenance and repairs in a lab environment.
Total Credits:	6
Hours/Week:	6
Total Hours:	48
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:	<div><div>EES 1</div><div>Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</div></div> <div><div>EES 2</div><div>Respond to written, spoken, or visual messages in a manner that ensures effective communication.</div></div> <div><div>EES 3</div><div>Execute mathematical operations accurately.</div></div> <div><div>EES 4</div><div>Apply a systematic approach to solve problems.</div></div> <div><div>EES 5</div><div>Use a variety of thinking skills to anticipate and solve problems.</div></div> <div><div>EES 6</div><div>Locate, select, organize, and document information using appropriate technology and information systems.</div></div> <div><div>EES 7</div><div>Analyze, evaluate, and apply relevant information from a variety of sources.</div></div> <div><div>EES 8</div><div>Show respect for the diverse opinions, values, belief systems, and contributions of others.</div></div> <div><div>EES 9</div><div>Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</div></div> <div><div>EES 10</div><div>Manage the use of time and other resources to complete projects.</div></div> <div><div>EES 11</div><div>Take responsibility for ones own actions, decisions, and consequences.</div></div>
Course Evaluation:	Passing Grade: 50%, D
Other Course Evaluation & Assessment Requirements:	<div>Specific practical assignment/s 60%</div> <div>Attendance 20%</div> <div>Shop safety 20%</div> <div>The following semester grades will be assigned to students:</div> <div>Grade</div> <div>Definition Grade Point Equivalent</div>



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	<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</p> <p>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.</p>				
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>PLM 861 furthers the knowledge required by an apprentice in the installation of drains, vents, fixture installation, water distribution piping and testing of the various systems.</td><td>PLM 861 introduces the apprentices to the study and installation of hydronic boilers complete with controls, pumps, fittings etc.</td></tr> </tbody> </table>	Course Outcome 1	Learning Objectives for Course Outcome 1	PLM 861 furthers the knowledge required by an apprentice in the installation of drains, vents, fixture installation, water distribution piping and testing of the various systems.	PLM 861 introduces the apprentices to the study and installation of hydronic boilers complete with controls, pumps, fittings etc.
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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>practical tests from instructor</td><td>100%</td></tr> </tbody> </table>	Evaluation Type	Evaluation Weight	practical tests from instructor	100%
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Date:	February 10, 2020				
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.				

