



COURSE OUTLINE: PLM861 - PROC. PIPING SYSTEMS

Prepared: Mike King

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

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| 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: | <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> |
| Course Evaluation: | Passing Grade: 50%, D |
| Other Course Evaluation & Assessment Requirements: | <p>Specific practical assignment/s 60%</p> <p>Attendance 20%</p> <p>Shop safety 20%</p> <p>The following semester grades will be assigned to students:</p> <p>Grade Definition Grade Point Equivalent</p> |



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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> | | | | |
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| 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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| practical tests from instructor | 100% | | | | |
| Date: | February 10, 2020 | | | | |
| Addendum: | Please refer to the course outline addendum on the Learning Management System for further information. | | | | |