



COURSE OUTLINE: PLM664 - WORKPLACE SAFETY

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Course Code: Title	PLM664: WORKPLACE SAFETY, RIGGING AND HOISTING
Program Number: Name	6240: PLUMBER - LEVEL I
Department:	PIPING TRADES
Semesters/Terms:	19F, 20W, 20F
Course Description:	This course will provide the students with information and knowledge about workplace safety including codes, acts and regulations. Students will also learn safe rigging and hoisting procedures.
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:	<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>V. EVALUATION PROCESS/GRADING SYSTEM: The final grade will be the result an average of a mid term and final tests during the course of 8 weeks.</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 instructor

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
<p>COURSE DESCRIPTION: Provides basic instruction required for workplace safety, rigging and hoisting for Level I plumbers.</p>	<p>Upon successful completion of this course, the student will demonstrate the ability to:</p> <p>Determine the difference between an Act and a Regulation and the effect each has on construction projects. Potential Elements of the Performance: - define an Act - define a Regulation - define the rights and responsibilities of employers, supervisors and workers. - define critical injury. - explain the terms safety committee and safety representative</p> <p>Identify governing authorities. Potential Elements of the Performance: - explain the difference between the Ministry of Labour and the Construction Safety Association.</p> <p>Identify safety precautions for construction projects. Potential Elements of the Performance: - choose the correct equipment as required by the Act and Regulations. - correctly perform International hand signals required for Basic Hoisting and Rigging. - explain the correct procedures for lock out and tagging of power equipment. - explain the terms Rated Working Load, Safety Factor and Breaking Strength as the apply to rigging equipment,</p> <p>Determine unknown load weights and strengths of wire and fibre ropes.</p>

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
instructor tests	100%



Date:

June 20, 2019

Addendum:

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

