



## COURSE OUTLINE: ELR625 - PRINTS I

Prepared: SEAN HAGER

Approved: Corey Meunier, Chair, Technology and Skilled Trades

<b>Course Code: Title</b>	ELR625: PRINTS - LEVEL 1					
<b>Program Number: Name</b>	6520: CONST & MTCE ELE BAS					
<b>Department:</b>	ELEC. APPRENTICES					
<b>Semesters/Terms:</b>	18F, 19W, 19F					
<b>Course Description:</b>	This course introduces the student to print reading and interpreting specifications for residential (single-dwelling) construction projects. The student will obtain information from architectural, mechanical and electrical drawings and identify related building and electrical codes.					
<b>Total Credits:</b>	4					
<b>Hours/Week:</b>	3					
<b>Total Hours:</b>	24					
<b>Prerequisites:</b>	There are no pre-requisites for this course.					
<b>Corequisites:</b>	There are no co-requisites for this course.					
<b>General Education Themes:</b>	Science and Technology					
<b>Course Evaluation:</b>	Passing Grade: 50%, D					
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<p>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</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            W Student has withdrawn from the course without academic penalty.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>					
<b>Books and Required Resources:</b>	Electrical Wiring - Residential by Mullin Publisher: Nelson Canada Edition: 6th Edition					
<b>Course Outcomes and Learning Objectives:</b>	<table border="1"> <thead> <tr> <th>Course Outcome 1</th> <th>Learning Objectives for Course Outcome 1</th> </tr> </thead> <tbody> <tr> <td>Use a set of drawings and specifications in conjunction with appropriate codes to determine installation</td> <td> <ul style="list-style-type: none"> <li>- Identify and interpret the alphanumeric lines.</li> <li>- Demonstrate competency with metric scale and imperial scale and be able to convert between the two.</li> <li>- Read and apply residential specifications.</li> </ul> </td> </tr> </tbody> </table>	Course Outcome 1	Learning Objectives for Course Outcome 1	Use a set of drawings and specifications in conjunction with appropriate codes to determine installation	<ul style="list-style-type: none"> <li>- Identify and interpret the alphanumeric lines.</li> <li>- Demonstrate competency with metric scale and imperial scale and be able to convert between the two.</li> <li>- Read and apply residential specifications.</li> </ul>	
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Use a set of drawings and specifications in conjunction with appropriate codes to determine installation	<ul style="list-style-type: none"> <li>- Identify and interpret the alphanumeric lines.</li> <li>- Demonstrate competency with metric scale and imperial scale and be able to convert between the two.</li> <li>- Read and apply residential specifications.</li> </ul>					



	requirements for a single dwelling.	<ul style="list-style-type: none"> <li>- Use a set of drawings of a single dwelling to apply the information from the architectural, structural and mechanical drawings in relation to an electrical installation.</li> <li>- Draw and label a panel schematic for a single dwelling.</li> <li>- Prepare an electrical material take-off for a single dwelling.</li> <li>- Apply specifications, Building and Electrical Codes to single dwellings.</li> </ul>
	<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
	State the purpose of the Canadian Electrical Code and identify which sections apply to a given electrical installation.	<ul style="list-style-type: none"> <li>- State the objective, scope, and general arrangement of the Canadian Electrical Code. (CEC)</li> <li>- Identify the method used to indicate code regulation changes in new editions of the CEC. Identify installation requirements for electrical equipment (other than heating) installed in residential occupancies as specified in the Installation of Electrical Equipment section of the CEC.</li> <li>- Explain terms as listed in the Object, Scope and Definitions section and the Special Terminologies located in the general rules of other sections of the CEC. - Interpret general rules (Section 2) of the CEC.</li> </ul>

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight	Course Outcome Assessed
Test (1)	100%	

**Date:**

August 20, 2018

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

