COURSE OUTLINE: ELR625 - PRINTS I

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Course Code: Title	ELR625: PRINTS - LEVEL 1
Program Number: Name	6520: CONST & MTCE ELE BAS
Department:	ELEC. APPRENTICES
Academic Year:	2024-2025
Course Description:	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.
Total Credits:	4
Hours/Week:	3
Total Hours:	24
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
General Education Themes:	Science and Technology
Course Evaluation:	Passing Grade: 50%, D A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	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 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 W Student has withdrawn from the course without academic penalty.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:	Electrical Wiring - Residential by Mullin Publisher: Cengage Edition: 9th ISBN: 9780176929770

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Use a set of drawings and specifications in conjunction with appropriate codes to determine installation requirements for a single dwelling.	- Identify and interpret the alphanumerical lines. - Demonstrate competency with metric scale and imperial scale and be able to convert between the two. - Read and apply residential specifications. - 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. - Draw and label a panel schematic for a single dwelling. - Prepare an electrical material take-off for a single dwelling. - Apply specifications, Building and Electrical Codes to single dwellings.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
State the purpose of the Canadian Electrical Code and identify which sections apply to a given electrical installation.	- State the objective, scope, and general arrangement of the Canadian Electrical Code. (CEC) - 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. - 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.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Test (1)	100%

Date: August 9, 2024

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