



Prepared: Chris Kelly Approved: Corey Meunier

Course Code: Title	ELR725: PRINTS - LEVEL 2				
Program Number: Name	6521: CONST & MTCE ELE INT				
Department:	ELEC. APPRENTICES				
Semester/Term:	18S				
Course Description:	This course introduces the student to electrical installation methods for commercial applications. The Canadian Electrical Code is covered in conjunction with interpretation of construction drawings and specifications for an industrial installation.				
Total Credits:	3				
Hours/Week:	2				
Total Hours:	20				
Course Evaluation:	Passing Grade: 50%, D				
Other Course Evaluation & Assessment Requirements:	<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 W Student has withdrawn from the course without academic penalty.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>				
Evaluation Process and Grading System:	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>Tests (2)</td> <td>100%</td> </tr> </tbody> </table>	Evaluation Type	Evaluation Weight	Tests (2)	100%
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Tests (2)	100%				

Books and Required Resources:

Canadian Electrical Code
Publisher: CSA Group Edition: 2015 Edition

Electrical Wiring - Commercial 6CE by Mullin
Edition: 7th
ISBN: 0176570462

Course Outcomes and Learning Objectives:**Course Outcome 1.**

Upon successful completion of this course, the student will demonstrate the ability to: Interpret and revise specifications and drawings for a small commercial construction project.

Learning Objectives 1.

Determine utility location and site features that affect electrical installations through the use of site drawings.

Use architectural and structural drawings to determine methods of construction as they affect electrical installation.

Use architectural and structural drawings to determine dimensions and elevations as they affect electrical installation.

Use mechanical drawings to determine the electrical characteristics of mechanical equipment and systems.

Use mechanical drawings to determine the layout of mechanical equipment and systems as they affect electrical installation.

Select the correct wiring methods and electrical equipment for a commercial installation.

Use a complete set of drawings and specifications to lay out commercial distribution and service equipment and wiring.

Describe common lighting systems and their applications.

Lay out commercial branch circuit wiring, lighting, and equipment using drawings and specifications.

Use a complete set of drawings, specifications, manufacturers'™ drawings, ULC Standards, the National Building Code and the CEC to lay out a fire alarm system.

Lay out a control system or a communication system as per drawings and specifications.

Use a complete set of drawings, specifications, manufacturers'™ drawings, and the CEC to prepare a material take off.

Prepare sketches to solve and document construction problems and solutions.

Prepare as-built drawings to document electrical construction.

Read and develop basic single line, schematic, and wiring diagrams

Date:

Monday, April 23, 2018

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