

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



**SAULT
COLLEGE**

COURSE OUTLINE

COURSE TITLE: PRINTS – Level 1

CODE NO. : ELR625 **SEMESTER:** BASIC

PROGRAM: CONSTRUCTION & MAINTENANCE ELECTRICIAN
APPRENTICESHIP – BASIC

AUTHOR: Sean Hager

DATE: September 2014 **PREVIOUS OUTLINE DATED:** May 2014

APPROVED: *“Corey Meunier”*
CHAIR DATE

TOTAL CREDITS:

PREREQUISITE(S):

HOURS/WEEK: 2

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For additional information, please contact Corey Meunier, Chair
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I. COURSE DESCRIPTION:

This course introduces the student to installation practices, print reading and interpretation of specifications relating to residential electrical installations.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. ***Use a set of drawings and specifications in conjunction with appropriate codes to determine installation requirements for a single dwelling.***

Potential Elements of the Performance:

Identify and interpret the alphanumeric 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.

State procedures for inspecting an installation by the appropriate authority.

III. TOPICS:

1. Residential print reading.

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

**Ontario Electrical Safety Code (current edition)
Or Canadian Electrical Code (current edition)**

**Electrical Wiring Residential (current Canadian edition)
Published by Nelson**

V. EVALUATION PROCESS/GRADING SYSTEM:

Tests worth 80%

Homework Questions 20%

Unannounced quizzes 5% each of the above 100%

- There will likely be 2 tests during the intake and dates will be identified in class.
- The professor reserves the right to adjust the number of tests as warranted. Any modification will be discussed in class.
- Tests will not be returned but will be available for review.

***see special notes**

The following semester grades will be assigned to students:

Grade	Definition	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
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.

VI. SPECIAL NOTES:

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

If a student misses a test he/she must have a valid reason (i.e. medical or family emergency – documentation may be required). In addition, the instructor must be notified prior to the test sitting. If this procedure is not followed the student will receive a mark of zero on the test with no make-up option.

If a student misses class time due to sickness, family emergency or other reason beyond his/her control the student must at his/her first opportunity meet with the course faculty to discuss if the missed time has placed the student at an increased risk of failing. The student must follow up the meeting by emailing the faculty with a summary of the meeting's discussions. Documentation validating the missed time may be required.

Any material covered during any absence legitimate or not is the responsibility of the student.

Deadlines will be specified for submission of assignments for grading. Late assignments will not be accepted and a grade of 0 will be assigned

Required texts are brought to each class. Sections of the course text books may be highlighted however they are not to be written in. Tests will be 'open book' as far as the textbooks are concerned. However, use of a book containing markings other than the aforementioned highlights is not permitted and will be considered as academic dishonesty. Students are responsible for supplying their own texts for tests. Sharing books during a test is not permitted.

Use of cell phones/PDAs for any form of communication (voice, text...) during class or lab time is strictly prohibited. **Cell phones/PDAs must be silenced during regular class and lab times and must be turned off and kept out of sight during test sittings. Failure to follow the latter requirement during a test sitting will result in a grade of 0 being assigned.**

Students may not wear earphones of any kind during lab activities or test sittings. This does not include hearing aids required for the hearing impaired.

VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.