

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



Sault College

COURSE OUTLINE

COURSE TITLE: Plumbing Practical

CODE NO. : PLM761 **LEVEL:** 2

PROGRAM: Plumber Apprenticeship (6241)

AUTHOR: Brian Mick

DATE: June 08 **PREVIOUS OUTLINE DATED:** May 07

APPROVED:

“Corey Meunier”
DEAN

TOTAL CREDITS: 6.00 **DATE**

PREREQUISITE(S): Plumber – Level 1

HOURS/WEEK: 6.00

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

Level II plumbing practical allows the apprentice to gain knowledge in the installation of drains, vents, fixture installation, water distribution piping and testing of the various systems.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Lay out and install drains and vents.Potential Elements of the Performance:

- provide an isometric drawing of the piping systems
- select the correct fittings as required by Ontario Building Code (O.B.C.) Part 7
- measure, cut and install the piping systems
- join the different piping materials using the approved methods
- test the piping system as required by Part 7

2. Lay out and install the water distribution piping for the required fixtures.Potential Elements of the Performance:

- select the proper piping materials for installation
- measure, cut and install the piping, fittings and valves required by Part 7 of the O.B.C.
- test the piping as per Part 7

3. Install plumbing fixtures.Potential Elements of the Performance:

- connect the water closet to the flange
- install the basin in the counter top and connect to the drainage piping using the p-trap and proper transition fittings
- connect the bathtub to the drainage system
- test the installations for tightness

III. TOPICS:

1. Safety
2. Design and installation of drains, waste and vent piping
3. Design and installation of water distribution piping
4. Conformance to Part 7 of the Ontario Building Code during the installation

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Personal safety equipment, Code book, measuring tape, calculator and supplied tool kit.

V. EVALUATION PROCESS/GRADING SYSTEM:

Specific practical assignment/s 60%
Attendance 20%
Shop safety 20%

The following semester grades will be assigned to students:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
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.	

VI. SPECIAL NOTES:Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 2703 so that support services can be arranged for you.

Retention of Course Outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Communication:

The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Code of Conduct*. Students who engage in academic dishonesty will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VII. PRIOR LEARNING ASSESSMENT:

Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question.