ORIGINAL COURSE IMPLEMENTATION DATE:		September 2013
REVISED COURSE IMPLEMENTATION DATE:		September 2024
COURSE TO BE REVIEWED (six years after UEC approval)**:**		January 2030

Course outline form version: 28/10/2022

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: PLMB 110	**Number of Credits:** 2

Course Full Title: Safety and WHMIS
Course Short Title: Safety & WHMIS

Faculty: Faculty of Applied and Technical Studies	**Department (or program if no department):** Plumbing and Piping

Calendar Description:

Introduces the proper safety procedures and regulations used in the piping trades and the proper use and handling of chemicals on work sites. Provides students with the ability to use safe work practices on the jobsite. Students will learn and use the Workplace Hazardous Materials Information System (WHMIS) and will learn to identify fire hazards and select appropriate fire extinguishers for various types of fires.

Prerequisites (or NONE):	Admission to the Plumbing and Piping certificate.
Corequisites (if applicable, or NONE):	NONE
Pre/corequisites (if applicable, or NONE):	NONE

Antirequisite Courses *(Cannot be taken for additional credit.)*	Course Details
Former course code/number:	Special Topics course: **No**
Cross-listed with:	*(If yes, the course will be offered under different letter designations representing different topics.)*
Equivalent course(s):	Directed Study course: **No**
(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)	*(See policy 207 for more information.)*
	Grading System: **Credit/No Credit**
	Delivery Mode: **May be offered in multiple delivery modes**
	Expected frequency: **Annually**
	Maximum enrolment (for information only)**: 18**

Typical Structure of Instructional Hours

Lecture/seminar	40
Supervised laboratory hours (computer lab)	5
Tutorials/workshops	5
Total hours	**50**

Prior Learning Assessment and Recognition (PLAR)

PLAR is available for this course.

Scheduled Laboratory Hours

Labs to be scheduled independent of lecture hours: ☒ No ☐ Yes

Transfer Credit *(See **bctransferguide.ca**.)*

Transfer credit already exists: **No**

Submit outline for (re)articulation: **No**
  (If yes, fill in transfer credit form.)

Department approval	**Date of meeting:**	November 2023
Faculty Council approval	**Date of meeting:**	December 2023
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	January 26, 2024

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Demonstrate appropriate safety procedures used in the workplace.
2. Describe appropriate safety regulations used in the workplace.
3. Describe personal protective equipment used in the workplace.

Recommended Evaluation Methods and Weighting

Final exam:	50%	Assignments:	20%	
Quizzes/tests:	20%	Shop work:	10%	

Details:

70% minimum needed in course after weighted percentages.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Instructional Methods

Presentations, online instruction.

Texts and Resource Materials

	Type	Author or description	Title and publication/access details	Year
1.	Textbook	Troy White	Canadian Plumbing Design and Installation	2019
2.	Other	ILM	UFV Plumbing Custom Package	2021

Required Additional Supplies and Materials

Scientific calculator (non-programmable)
Steel toe boots
Safety glasses

Course Content and Topics

Ladders and scaffolds
Fire extinguishers
Lockouts and circuit interrupters
Personal protective equipment
Workplace hazardous material information

Safety: 1.5 weeks
WHMIS: 0.5 week