

Course Outline

Course Title:	Health and Safety Theory Applications	Approval Date:	2025/8/30
Course Number:	CNST159	Academic Year:	2025
Course Hours:	45 hours		
Academic School:	School of Trades & Technology		

Program Co-ordinator or Equivalent:	Susan Brown - Susan.Brown2@flemingcollege.ca
Dean (or Chair):	Lisa Fenn - Lisa.Fenn@flemingcollege.ca

Course Description

This course has been designed for students entering trades and technology programs. The course will cover current legislation (O.H.S.A.) and health and safety procedures used in the industry. Students will obtain fundamental level safety certification in WHMIS, Fall Protection, Confined Space Identification, and Hoisting and Rigging. The theory for this course will be offered online and the application component will offered onsite.

Prerequisites: None.

Corequisites: None.

Course Delivery Type

Online Synchronous

All course hours are delivered online using web conferencing software at specified meeting times (synchronously). Delivery times are specified on the academic timetable.

Learning Outcomes

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

1. Apply applicable components of the Occupational Health and Safety Act to construction projects (OHSA).
2. Apply and understand the concepts of Internal Responsibility System in the workplace.
3. Meet the requirements for certification in WHMIS in Construction.
4. Meet the requirements for Introduction to Working at Heights Awareness. Students will be offered an opportunity to complete a CPO approved Working at Heights certification program.
5. Meet the requirements for the introduction to Confined Space Awareness

6. Meet the requirements for Health and Safety Awareness training certificates for Workers and Supervisors
7. Meet the requirements for Introduction to Trenching Hazard Awareness.
8. Understand concepts for Introduction to Hoisting and Rigging Fundamentals
9. Meet the requirements for Introduction to Industrial Establishments

In addition to meeting the above Health and Safety outcomes, students will participate in a hybrid style course. Many Health and Safety training sessions used in industry are conducted online. This course will help the student to become familiar with this format.

Learning Resources

Lecture Handouts, Lab Activities, Visual Media, Discussion Groups, Internet, Library, and any other resources provided throughout the duration of the course.

Downloadable Texts - available at <http://www.ihsa.ca/products/index.cfm>:

Construction Health and Safety Manual (Product No: M029)

Occupational Health and Safety Act & Construction Regulations (Online Version)

Required Texts:

Occupational Health and Safety Act and Regulations for Construction Projects (O. Reg. 213/91) - available online

Construction Health and Safety Manual (IHSA Product No: M029) - also available online.

Costs for learning resources can be found on the Campus Store website, using the links below, or by visiting the Campus Store location at your campus.

- Sutherland: <https://www.bkstr.com/sfleming-sutherlandstore/home>
- Frost: <https://www.bkstr.com/sfleming-froststore/home>

Assessment Summary

Assessment Task	Percentage
Quizzes	30%
Assignments	50%
Tests	20%

Student Success: Policies and Procedures

Mutually, faculty and learners will support and adhere to college Academic Regulations, and Student Rights and Responsibilities. The following policies and guidelines have been developed to support the learning process.

Please click on the link for information about:

- [Academic Integrity \(2-201A\)](https://department.flemingcollege.ca/hr/attachment/7750/download)
(<https://department.flemingcollege.ca/hr/attachment/7750/download>)
- [Accessibility for Persons with Disabilities \(3-341\)](https://department.flemingcollege.ca/hr/attachment/5619/download)
(<https://department.flemingcollege.ca/hr/attachment/5619/download>)
- [Grading and Academic Standing \(2-201C\)](https://department.flemingcollege.ca/hr/attachment/7752/download)
(<https://department.flemingcollege.ca/hr/attachment/7752/download>)
- [Guidelines for Professional Practice: Students and Faculty](https://flemingcollege.ca/PDF/guidelines-for-professional-practice-students-faculty.pdf)
(<https://flemingcollege.ca/PDF/guidelines-for-professional-practice-students-faculty.pdf>)
- [Student Rights and Responsibilities \(5-506\)](https://department.flemingcollege.ca/hr/attachment/269/download)
(<https://department.flemingcollege.ca/hr/attachment/269/download>)

If you will need academic accommodations (for example if you have a learning disability, mental health condition such as anxiety or depression or if you had an IEP in high school), please contact the [Accessible Education Services \(AES\)](https://department.flemingcollege.ca/aes/) department (<https://department.flemingcollege.ca/aes/>) to meet with a counsellor.

Alternate accessible formats of learning resources and materials will be provided, on request.

Program Standards

The **Ministry of Colleges and Universities** oversees the development and the review of standards for programs of instruction. The **Ministry of Labour Training and Skills Development** oversees the development and the review of standards for programs of instruction for Apprenticeship training in the province of Ontario. Each college is required to ensure that its programs and program delivery are consistent with these standards, and must assist students to achieve these essential outcomes.

This course contributes to Program Standards as defined by the [Ministry of Colleges and Universities](#) (MCU). Program standards apply to all similar programs of instruction offered by colleges across the province. Each program standard for a postsecondary program includes the following elements:

- **Vocational standards** (the vocationally specific learning outcomes which apply to the program of instruction in question);
- **Essential employability skills** (the essential employability skills learning outcomes which apply to all programs of instruction); and
- **General education requirement** (the requirement for general education in postsecondary programs of instruction that contribute to the development of citizens who are conscious of the diversity, complexity and richness of the human experience; and, the society in which they live and work).

Collectively, these elements outline the essential skills and knowledge that a student must reliably demonstrate in order to graduate from the program. For further information on the standards for your program, follow the MCU link (www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/).

Detail Plan

Term: 2025 Fall

Program Co-ordinator or Equivalent: Susan Brown - Susan.Brown2@flemingcollege.ca

Dean (or Chair): Lisa Fenn - Lisa.Fenn@flemingcollege.ca

Learning Plan

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
Module 1	The History of Health and Safety In Ontario	1,6,9	Completion of worker and supervisor awareness training (2.5%)
Module 2	The Internal Responsibility System and the Duties of the Workplace Parties	1,2,9	Quiz (2.5%), Written Assignment Using the Occupational Health and Safety Act (2.5%)
Module 3	Workplace Violence and Harassment Prevention Workers Right to Refuse Unsafe Work	1,9	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 4	Personal Protective Equipment	1,9	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 5	Working at Heights Awareness Students will receive invitations to register and complete formal Working at Heights training recognized by the Chief Prevention Office of the Ontario Ministry of Labour, Immigration, Training and Skills Development. throughout the semester	1,4	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 6	Confined Space Awareness	1,5	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 7	Mid Term Exam, online exam (Questions based on material covered in first 1/2 of the semester)	1,2,4,5,9	Exam (10%)

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
Module 8	WHMIS - Students will receive email registration to complete formal WHMIS Training. Please watch for an invitation from 'YOW Canada'	1,3	Final Grade from quizzes completed in online course (5%)
Module 9	Trenching Awareness	1, 7	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 10	Hoisting and Rigging Awareness	1,8	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 11	The Regulations for Industrial Establishments - Part 1	1,9	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 12	The Regulations for Industrial Establishments - Part 2	1,9	Quiz (2.5%), Dropbox assignment based on questions answered using posted lecture (5%)
Module 13	The Construction Projects Regulations (Elements not previously covered)	1-8	Quiz (2.5%), Dropbox assignment researching and summarizing Ministry of Labour court bulletins (5%)
Module 14	Final Exam - taken from material covered after the mid term exam only.	1,3,6,7,8,9	Test (10%)

Assessment Requirements

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Worker and Supervisor Health and Safety Awareness training certificates	Module 1	1	2.5%
Assignment using the OHSA	Module 2	1,6	2.5%
Completion and submission of research questions based on module lectures	Modules 2-6 and 8-13	1-8	45%
WHMIS - Completion of provided formal online WHMIS Training	Module 8	1,3	5%

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Quizzes based on weekly lecture materials	Modules 2-6 and 8-13	1-9	25%
Module 7 - Midterm covering material from Modules 1-6 (10%) Module 14-Final Exam covering material from Modules 9-13(10%)	Module 7 Module 14	1-9	20%

Modules will open up weekly for students to begin work. Assessments (dropbox submissions or quizzes) will be available to complete for two weeks after the module is opened (except for those released in week 14). Modules will close at the end of the two-week period and will not open without valid reason in accordance with school policies.

All quizzes and exams are considered 'open book', students are encouraged to take notes during the recorded lectures and use them as an aid in quizzes or exams. Students **ARE NOT** permitted to use AI, other online sources, or classmates in preparing assignments or completing exams.

Artificial Intelligence (AI) Statement

NO ASSESSMENTS. Generative AI tools (like ChatGPT) may only be used to assist exploratory learning and cannot directly contribute to any assessment as part of this course.

It is the responsibility of students to maintain a history of records and supporting documentation to demonstrate their efforts in all academic submissions, even if submission of these is not part of the final academic deliverable.

Turnitin Statement

Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com in support of academic integrity. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site.

If students choose to opt out of using the software, they must inform their faculty member at the time of the assignment, of their refusal and meet with the faculty to discuss their options. For further information on the use of Turnitin, please refer to the [Operating Procedure 2-201E](https://department.flemingcollege.ca/hr/attachment/10233/download) (https://department.flemingcollege.ca/hr/attachment/10233/download)

Exemption Contact

Subject Coordinator - Susan Brown

Susan.Brown2@flemingcollege.ca

705-749-5530 Ext. 1232

Prior Learning and Assessment and Recognition (PLAR)

PLAR uses tools to help learners reflect on, identify, articulate, and demonstrate past learning which has been acquired through study, work and other life experiences and which is not recognized through formal transfer of credit mechanisms. PLAR options include authentic assessment activities designed by faculty that may include challenge exams, portfolio presentations, interviews, and written assignments. Learners may also be encouraged and supported to design an individual documentation package that would meet the learning requirements of the course. Any student who wishes to have any prior learning acquired through life and work experience assessed, so as to translate it into a college credit, may initiate the process by applying through the Registrar's office. For more information please click on the following link: <http://flemingcollege.ca/admissions/prior-learning-assessment-and-recognition>

Course Specific Policies and Procedures

It is the responsibility of the student to retain this course outline for future reference. Course outlines may be required to support applications for advanced standing and credit transfer to other educational institutions, portfolio development, PLAR and accreditation with professional associations.

Synchronous sessions may be recorded. As a result, your image, voice, name, personal views and opinions, and course work may be collected under legal authority of section 2 of the Ontario Colleges of Applied Arts and Technology Act, 2002. This information will be used for the purpose of supporting student learning. Any questions about this collection can be directed to the Privacy and Policy Officer at freedomofinformation@flemingcollege.ca or by mail to 599 Brealey Drive, Peterborough, ON K9J 7B1.

1. Weekly lectures are posted for all students to view at a time of their convenience. Timetable slots for this course are there to ensure students have adequate time to complete the course tasks but there is no scheduled in-person lecture or class.
2. All tests and assignments have scheduled due/completion dates. Meeting these due dates is key to your success in this course; your instructor's feedback will add to your learning.
3. You will receive a grade of zero for any test not written or lab assignment not completed unless you have made arrangements with your instructor PRIOR TO the due date in question.
4. Your instructor will consider a makeup for missed lab assignments or tests for valid reasons only; for example, documented illness or extenuating personal circumstances. These situations will be discussed on an individual basis.
5. You, the student, are responsible for making these arrangements; your learning and success in this course is a shared goal.

6. Final grades in this course are assigned based on the level of achievement that corresponds to the assessment components as cited in the course outline. It is important to note that faculty member(s) will not offer additional evaluation activities beyond those cited in the course outline.

LATE ASSIGNMENT POLICY

You must submit/present all written/oral assignments on their assigned dates unless you make specific arrangements in writing/voice mail/E-mail with your professor at least 24 hours prior to the due date in question. In the case of any emergency, make arrangements (in writing, if necessary) immediately upon your return.

Your professor will make special arrangements for valid reasons only. In the case of illness, you may be required to provide a medical note. Other extenuating circumstances will be discussed on an individual basis.

All work in this course is given out with a two week timeline for completion. Any work not submitted prior to the deadline will receive a grade of '0' unless prior arrangements have been made with your professor.

ACADEMIC INTEGRITY

Fleming College opposes any form of academic dishonesty, such as plagiarism, submission of work for which credit has already been received; cheating, impersonation; falsification or fabrication of data; the acquisition of confidential materials, e.g., examination papers; misrepresentation of facts; altering transcripts or other official documents.

Please see Academic Regulations Policy for more information on Academic Integrity.