

Course Outline

Course Title:	Health and Safety Theory Applications		
Course Number:	CNST159	Approval Date:	2018/9/3
Course Hours:	45 hours	Academic Year:	2018
Academic School:	School of Trades & Technology		
Faculty:	Susan Brown - Susan.Brown2@flemingcollege.ca		
Program Co-ordinator or Equivalent:	Susan Brown - Susan.Brown2@flemingcollege.ca		
Dean (or Chair):	Jason Jackson - jason.jackson@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 be offered onsite.

Prerequisites: None.

Corequisites: None.

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. Present a "safety talk" workshop to peers on how to establish and maintain a safe workplace.
3. Meet the requirements for certification in Hoisting and Rigging Basic Safety Training.
4. Meet the requirements for certification in WHMIS in Construction.
5. Meet the requirements for Introduction to Working at Heights Awareness (Non-certification).
6. Meet the requirements for the introduction to Confined Space Awareness
7. Meet the requirements for Introduction to Lockout / Tag out Awareness.
8. Meet the requirements for Introduction to Trenching Hazard Awareness.

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)

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

Assessment Summary

Assessment Task	Percentage
Quizzes	70%
Presentations	10%
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>)

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

Program Standards

The Ministry of Training, Colleges and Universities oversees the development and the review of standards for programs of instruction. 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 Training, Colleges and Universities](#) (MTCU). 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 MTCU link (www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/)

Detail Plan

Term:	2018 Fall
Faculty:	Cody Simpson - Cody.Simpson@flemingcollege.ca Dave Darling - Dave.Darling@flemingcollege.ca Robert Haire - Robert.Haire@flemingcollege.ca Jeff Hubers - Jeff.Hubers@flemingcollege.ca Kyle Faubert - Kyle.Faubert@flemingcollege.ca
Program Co-ordinator or Equivalent:	Susan Brown - Susan.Brown2@flemingcollege.ca
Dean (or Chair):	Jason Jackson - jason.jackson@flemingcollege.ca

Learning Plan

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
Unit 1	Introduction to the course (hybrid learning course 1h online and 2 hour lab each week) Introduction to Health and Safety basics, PPE and the OHS	1	
Unit 2	OHS and Regulations for Industrial Establishments and Construction Projects New and Young workers	1	Quiz #1: OHS (10%) - online in D2L
Unit 3	Safety talks and safety talk presentation	2	Safety Talk Presentation (10%) - in class
Unit 4	Working at Heights Fall Prevention Awareness Training	5	
Unit 5	Working at Heights- Fall Prevention Awareness Training (not the Ministry of Labour Certification course)	5	Quiz #2 - Working at Heights Awareness Training (10%) - online in D2L
Unit 6	Working at Heights- Fall Prevention Awareness Training	5	
Unit 7	Confined Spaces Awareness Training	6	Quiz # 3 - Confined Spaces Awareness (10%) - online in D2L
Unit 8	Trenching Awareness Training	8	Quiz # 4 - Trenching Awareness (10%) - online in D2L
Unit 9	Lockout/Tagout Awareness Training	7	Quiz # 5 - Lockout/Tagout Awareness (10%) - online in D2L
Unit 10	Safe Workplaces	2	Quiz # 6 - Safe Workplaces Awareness (10%) - online in D2L

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
Unit 11	WHMIS	4	WHMIS Certification - test will be sent to your email account in Week 7
Unit 12	Hoisting and Rigging Basic Safety Training (Fleming Certificate) Module #1 - Basics of Hoisting and Rigging and Potential Hazards - Hand Signals Module #2 - Fibre Ropes, Knots and Hitches	3	In-class exam - Hoisting and Rigging Awareness
Unit 13	Hoisting and Rigging Safety Training (Fleming Certification) Module #3 - Crane Recognition and Hazard Awareness in Crane Operations	3	
Unit 14	Hoisting and Rigging Safety Training (Fleming certification) Module #4 - Hoisting and Rigging Hardware, Wire Rope and Slings	3	
Unit 15	Hoisting and Rigging Safety Training (Fleming certification) Module #5 - Rigging Tools and Devices	3	
Unit 16	Hoisting and Rigging Safety Training (Fleming certification) Review H & R Testing	3	Hoisting & Rigging Testing

Assessment Requirements

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Quiz #1: OHS A - on D2L Health and Safety basics, PPE and the OHS A OHS A and Regulations for Industrial Establishments and Construction Projects New and Young workers	Unit 1, 2	1	10%
Safety Talks Presentation Student will present a safety talk to the class specific to a component of their chosen industry	Unit 3	2	10%
Quiz # 2 - Working at Heights Awareness (on D2L)	Units 4,5,6	5	10%
Quiz #3 - Confined Spaces Awareness (on D2L)	Unit 7	6	10%
Quiz #4 - Trenching Awareness (on D2L)	Unit 8	8	10%

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Quiz #5 - Lock Out/ Tag Out Awareness (on D2L)	Unit 9	7	10%
Quiz #6 - Safe Workplaces (on D2L)	Unit 10	2	10%
WHMIS Certification test - will be sent to your Fleming email account	Unit 11	4	10%
Hoisting & Rigging Testing Hand Signals (100% Mandatory) Knots (100% Mandatory) Written Performance Review (80% Mandatory)	Units 12, 13, 14 ,15, 16	3	20%

Your progress will be assessed every week. Attendance and participation is critical for your success. You must be present in the lecture in order to be able to write and receive the marks for the online test associated with that lecture. You will receive a mark of zero if you are not present in class for each module regardless of your score on the test, unless prior arrangements have been made between the instructor and the student. Your instructor will consider a makeup opportunity for valid reasons only.

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.

1. To gain the most possible benefits from this skill-developing course, students need to attend classes. Learning takes place when you become engaged in the learning process. Your instructor will be recording attendance data and will report absences, late arrivals and early departures to your program co-ordinator.

2. All tests and lab 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. Therefore, you must write all tests with the class on the tests' assigned dates. As well, you must complete all lab assignments by the scheduled due date during the scheduled lab time.
4. 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.
5. 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.
6. You, the student, are responsible for making these arrangements; your learning and success in this course is a shared goal.
7. 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.

A penalty of 10% per day will be applied to an assignment not submitted by the original or extended due date. An assignment more than three days late will receive a grade of zero ("0"). Weekends are counted as two days. No assignment will be accepted after the last day of classes without prior arrangement 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.

