

I. COURSE DESCRIPTION:

An introduction and information for new construction workers to know their rights and to work safely. The importance of accessing the Occupational Health & Safety Act & the Regulations. To identify and assess health & safety hazards associated with dust and fibers, formwork, working at heights, manual material handling, electrical hazards, equipment hazards, traffic control, trenching hazards, hoisting rigging and crane hazards, and confined space hazard analysis.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Access and interpret the construction act and regulations
2. Recognize common workplace dust hazards, assess and control of dusts
3. Recognize, assess and control formwork hazards.
4. Recognize, assess and control hazards associated with working at heights and to recommend effective controls to eliminate or reduce exposure to these hazards
5. Describe activities related to materials handling, list factors that contribute to materials handling hazards and describe methods and devices for controlling materials handling hazards.
6. Recognize, assess and control of electrical hazards.
7. Recognition of common types of equipment related hazards, use of regulations and inspection to assess hazards assess and control of hazards.
8. Identification of traffic hazards to workers on foot, assessment of major factors, and implementation of traffic control measures.
9. Recognize causes of trenching accidents, injuries and fatalities, causes of cave-ins and controls, and other trenching safety hazards and controls.

10. Recognize hazards in crane operations, list sources of load weight data, identify the conditions requiring a signaler, and identify legislated control measures for safe hoisting, rigging and crane operations.
11. Define a confined space, recognize confined space hazards, demonstrate how to assess and control hazards.

III. TOPICS:

1. Occupational Health & Safety Act & the Regulations
2. Dust and fibers
3. Formwork
4. Working at heights
5. Manual material handling
6. Electrical hazards
7. Equipment hazards
8. Traffic control
9. Trenching hazards
10. Hoisting rigging and crane hazards
11. Confined space hazard analysis

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Occupational Health & Safety Act & Regulations for Construction Projects.
Construction Health & Safety Manual – Construction Safety Association of Ontario.

V. EVALUATION PROCESS/GRADING SYSTEM:

Students must submit assignments by specified due date. Five-percent per day will be deducted from the final grade for every day the assignment is late up to a maximum of three days. Students will receive a final grade of zero after three days.

Students will receive a final grade of zero on all missed quizzes and exams unless written notification is received at least 24-hours in advance

Theory Testing	20%
Application Exercises	40%
Attendance	10%
Final Exam	30%

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<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:

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:

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.

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