



## COURSE OUTLINE: ENV0102 - INDUST HEALTH SAFETY

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Approved: Martha Irwin, Chair, Community Services and Interdisciplinary Studies

<b>Course Code: Title</b>	ENV0102: INDUSTRIAL HEALTH AND SAFETY
<b>Program Number: Name</b>	1120: COMMUNITY INTEGRATN
<b>Department:</b>	C.I.C.E.
<b>Semesters/Terms:</b>	19F, 20W
<b>Course Description:</b>	This is an introductory course for all those interested in industrial practices from the standpoint of industrial hygiene and industrial health and safety. Students will become familiar with pertinent legislation, industry and workers rights and responsibilities, recognition, evaluation and control methods and safe working practices. WHMIS, confined spaces, lockouts, and fire safety are also examined.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	2
<b>Total Hours:</b>	30
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Essential Employability Skills (EES) addressed in this course:</b>	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects.
<b>General Education Themes:</b>	Civic Life Social and Cultural Understanding Personal Understanding
<b>Course Evaluation:</b>	Passing Grade: 50%, D
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	Grade Definition Grade Point Equivalent 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.



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NR Grade not reported to Registrar's office.  
 W Student has withdrawn from the course without academic penalty.

**Books and Required Resources:**

Pocket Ontario Health and Safety Act and Regulations by Carswell  
 Publisher: Thomsom Reuters  
 ISBN: 978-0-7798-6072-2

**Course Outcomes and Learning Objectives:**

Upon successful completion of this course, the CICE student, with the assistance of a Learning Specialist will acquire varying levels of skill development relevant to the following learning outcomes:

<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
1. Upon completion of this course, the students will demonstrate the ability to Integrate health and safety procedures into the work environment.	1.1 Differentiate between the terms health and safety 1.2 Differentiate between accidents and injury 1.3 List the functions of the industrial hygienist 1.4 List the elements of a successful health and safety program 1.5 List and explain the causes of accidents and injuries 1.6 Identify the major items on a safety policy 1.7 Review accident reporting and the preparation of an accident report 1,8 Review the safety audit process 1.9 Differentiate between sampling and monitoring
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
2. Upon completion of this course, the students will demonstrate the ability to Relate legislation from The Occupational Health and Safety Act and Regulations	2.1 Explain the basic rights of workers under the OHS 2.2 Identify who is covered and who is not 2.3 State when and how joint committee is required 2.4 List the roles of JHSC members, employers, certified members and workers 2.5 Explain the process for the steps to follow under the right to refuse work and the right to stop work 2.6 Discuss WHMIS and explain how information is relayed to workers. 2.7 Name the categories of controlled substances and review the Regulation 833 Biological And Chemical Agents. 2.8 List and explain the responsibilities of the supplier, employer and worker under WHMIS
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
3. Upon completion of this course, the students will Understand and demonstrate the ability to deal with hazards.	3.1 Explain the steps to deal with hazards 3.2 List the factors to determine the degree of hazard 3.3 Differentiate between the terms hazardous and toxic 3.4 Differentiate between the terms acute and chronic 3.5 Define the terms relates to health hazards 3.6 Identify physical hazards 3.7 Understand noise production, measurement and control 3.8 Understand how to protect from exposure to noise 3.9 Discuss heat stress and cold stress and how to be protected
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
4. Upon completion of this course, the students will be able to Introduce methods of	4.1 Identify work practices and controls that can reduce exposure levels 4.2 Identify different protective devices to minimize exposure to

control which will reduce exposure to hazards.

hazards

- 4.3 Define general ventilation and exhaust systems to maintain safe work environments
- 4.4 Differentiate between qualitative and quantitative respirator systems
- 4.5 Review lock out and isolation systems

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
Activities and Assignments	20%
Final Exam	40%
Performance, attendance and Attitude	10%
Tests	30%

**CICE Modifications:**

**Preparation and Participation**

1. A Learning Specialist will attend class with the student(s) to assist with inclusion in the class and to take notes.
2. Students will receive support in and outside of the classroom (i.e. tutoring, assistance with homework and assignments, preparation for exams, tests and quizzes.)
3. Study notes will be geared to test content and style which will match with modified learning outcomes.
4. Although the Learning Specialist may not attend all classes with the student(s), support will always be available. When the Learning Specialist does attend classes he/she will remain as inconspicuous as possible.

**A.** Further modifications may be required as needed as the semester progresses based on individual student(s) abilities and must be discussed with and agreed upon by the instructor.

**B. Tests may be modified in the following ways:**

1. Tests, which require essay answers, may be modified to short answers.
2. Short answer questions may be changed to multiple choice or the question may be simplified so the answer will reflect a basic understanding.
3. Tests, which use fill in the blank format, may be modified to include a few choices for each question, or a list of choices for all questions. This will allow the student to match or use visual clues.
4. Tests in the T/F or multiple choice format may be modified by rewording or clarifying statements into layman's or simplified terms. Multiple choice questions may have a reduced number of choices.

**C. Tests will be written in CICE office with assistance from a Learning Specialist.**

***The Learning Specialist may:***

1. Read the test question to the student.
2. Paraphrase the test question without revealing any key words or definitions.
3. Transcribe the student's verbal answer.
4. Test length may be reduced and time allowed to complete test may be increased.

**D. Assignments may be modified in the following ways:**

1. Assignments may be modified by reducing the amount of information required while



maintaining general concepts.  
2. Some assignments may be eliminated depending on the number of assignments required in the particular course.

***The Learning Specialist may:***

1. Use a question/answer format instead of essay/research format
2. Propose a reduction in the number of references required for an assignment
3. Assist with groups to ensure that student comprehends his/her role within the group
4. Require an extension on due dates due to the fact that some students may require additional time to process information
5. Formally summarize articles and assigned readings to isolate main points for the student
6. Use questioning techniques and paraphrasing to assist in student comprehension of an assignment

**E. Evaluation:**

Is reflective of modified learning outcomes.

**NOTE:** Due to the possibility of documented medical issues, CICE students may require alternate methods of evaluation to be able to acquire and demonstrate the modified learning outcomes

**Date:**

October 4, 2019

**Addendum:**

Please refer to the course outline addendum on the Learning Management System for further information.

