



COURSE OUTLINE: CCT0100 - CONST SAFETY TOOLS

Prepared: Marc Pilon

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

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| Course Code: Title | CCT0100: CONSTRUCTIONS SAFETY/TOOLS |
| Program Number: Name | 1120: COMMUNITY INTEGRATN |
| Department: | C.I.C.E. |
| Academic Year: | 2022-2023 |
| Course Description: | <p>This course focuses on safety practices and procedures in the construction industry. CICE students, with the assistance of a learning specialist, will learn about occupational and health safety standards, work site hazards, personal protective equipment and maintenance requirements, and work site communication skills. Hands on applications focus on safe operation of hand tools, power tools, powder actuated tools and cutting torch.</p> <p>Students can expect an introduction to and information for new construction workers to know their rights and to work safely. Students can also expect to learn the importance of accessing the Occupational Health & Safety Act & the Regulations, and be able to identify and assess health and safety hazards associated with formwork, working at heights, manual material handling, electrical hazards, equipment hazards, traffic control, trenching hazards, hoisting rigging and crane hazards, and confined space hazards.</p> |
| Total Credits: | 4 |
| Hours/Week: | 4 |
| Total Hours: | 56 |
| Prerequisites: | There are no pre-requisites for this course. |
| Corequisites: | There are no co-requisites for this course. |
| Vocational Learning Outcomes (VLO's) addressed in this course: | <p>1120 - COMMUNITY INTEGRATN</p> <p>VLO 1 Integrate fully in academic, social and community activities.</p> |
| Essential Employability Skills (EES) addressed in this course: | <p>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.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p> |



| Course Evaluation: | <p>Passing Grade: 50%, D</p> <p>A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p> | | | | | | |
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| Other Course Evaluation & Assessment Requirements: | <p>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</p> <p>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.</p> | | | | | | |
| Books and Required Resources: | <p>Pocket Ontario Occupational Health & Safety Act & Regulations by Carswell ISBN: 9780779894284</p> <p>Construction Health & Safety Manual by Infrastructure Health And Safety Publisher: Constrution Safety Association of Ontario Edition: 2019 ISBN: 9780919465541</p> | | | | | | |
| Course Outcomes and Learning Objectives: | <p>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:</p> <table border="1" data-bbox="505 1008 1451 1456"> <thead> <tr> <th data-bbox="505 1008 805 1048">Course Outcome 1</th> <th data-bbox="805 1008 1451 1048">Learning Objectives for Course Outcome 1</th> </tr> </thead> <tbody> <tr> <td data-bbox="505 1048 805 1413"> <p>1)The graduate has reliably demonstrated the ability to identify and use strategies to enhance professional growth and ongoing learning in the construction field.</p> </td> <td data-bbox="805 1048 1451 1413"> <ul style="list-style-type: none"> • use appropriate self-management techniques (e.g., time management, stress management) • identify the need for self-evaluation and explain the importance of lifelong learning • seek assistance to resolve problems beyond own knowledge and skills • seek out and act upon constructive feedback to enhance work performance • identify training courses, workshops and programs to enhance employment opportunities in the construction trades field </td> </tr> <tr> <th data-bbox="505 1413 805 1456">Course Outcome 2</th> <th data-bbox="805 1413 1451 1456">Learning Objectives for Course Outcome 2</th> </tr> </tbody> </table> | Course Outcome 1 | Learning Objectives for Course Outcome 1 | <p>1)The graduate has reliably demonstrated the ability to identify and use strategies to enhance professional growth and ongoing learning in the construction field.</p> | <ul style="list-style-type: none"> • use appropriate self-management techniques (e.g., time management, stress management) • identify the need for self-evaluation and explain the importance of lifelong learning • seek assistance to resolve problems beyond own knowledge and skills • seek out and act upon constructive feedback to enhance work performance • identify training courses, workshops and programs to enhance employment opportunities in the construction trades field | Course Outcome 2 | Learning Objectives for Course Outcome 2 |
| Course Outcome 1 | Learning Objectives for Course Outcome 1 | | | | | | |
| <p>1)The graduate has reliably demonstrated the ability to identify and use strategies to enhance professional growth and ongoing learning in the construction field.</p> | <ul style="list-style-type: none"> • use appropriate self-management techniques (e.g., time management, stress management) • identify the need for self-evaluation and explain the importance of lifelong learning • seek assistance to resolve problems beyond own knowledge and skills • seek out and act upon constructive feedback to enhance work performance • identify training courses, workshops and programs to enhance employment opportunities in the construction trades field | | | | | | |
| Course Outcome 2 | Learning Objectives for Course Outcome 2 | | | | | | |

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| | 2) Comply with workplace health and safety practices and procedures in accordance with current legislation and regulations. | <ul style="list-style-type: none"> • identify employee rights and responsibilities associated with health and safety practices • conduct self in safe manner and in accordance with the requirements of work situation • participate in health and safety training • initiate actions to mitigate risks to health and safety • identify and comply with workplace health and safety signs • comply with all requirements of the current Ontario Health and Safety Act, 1990 • encourage and support a culture of safety in the workplace |
| | Course Outcome 3 | Learning Objectives for Course Outcome 3 |
| | The graduate has reliably demonstrated the ability to perform all construction tasks in compliance with applicable laws, regulations, codes and ethical practices in the construction/civil engineering field. | <ul style="list-style-type: none"> • adhere to current legislation, standards, codes and bylaws that regulate the equipment and materials used in construction projects* • perform ethical work practices within the construction industry |
| | Course Outcome 4 | Learning Objectives for Course Outcome 4 |
| | 4) The graduate has reliably demonstrated the ability to select, maintain and safely operate hand and power tools and equipment used in the building construction trades. | <ul style="list-style-type: none"> • select, use and maintain hand tools, portable and stationary power tools • use rakes, shovels and wheelbarrows • operate safely and maintain pneumatic hammers, vibrators and tampers • tend to machines or equipment used in construction such as mixers, compressors and pumps • select and use materials, fasteners and connectors commonly used in the construction industry |

Evaluation Process and Grading System:

| Evaluation Type | Evaluation Weight |
|------------------------|--------------------------|
| Application Exercises | 50% |
| Attendance | 15% |
| Tests | 35% |

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



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| | alternate methods of evaluation to be able to acquire and demonstrate the modified learning outcomes |
| Date: | September 7, 2022 |
| Addendum: | Please refer to the course outline addendum on the Learning Management System for further information. |

