



# COURSE OUTLINE

## CCT0100

Prepared: Sam Spadafora    Approved: Sherri Smith

| <b>Course Code: Title</b>                     | CCT0100: CONSTRUCTIONS SAFETY/TOOLS   |                 |                   |                      |     |            |     |       |     |
|---|---|-----------------|-------------------|----------------------|-----|------------|-----|-------|-----|
| <b>Program Number: Name</b>                   | 1120: COMMUNITY INTEGRATN   |                 |                   |                      |     |            |     |       |     |
| <b>Department:</b>                            | C.I.C.E.  |                 |                   |                      |     |            |     |       |     |
| <b>Semester/Term:</b>                         | 17F   |                 |                   |                      |     |            |     |       |     |
| <b>Course Description:</b>                    | <p>This course focuses on safety practices and procedures in the construction industry. Students 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 &amp; Safety Act &amp; 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> |                 |                   |                      |     |            |     |       |     |
| <b>Total Credits:</b>                         | 4   |                 |                   |                      |     |            |     |       |     |
| <b>Hours/Week:</b>                            | 4   |                 |                   |                      |     |            |     |       |     |
| <b>Total Hours:</b>                           | 60  |                 |                   |                      |     |            |     |       |     |
| <b>Course Evaluation:</b>                     | Passing Grade: 50%, D   |                 |                   |                      |     |            |     |       |     |
| <b>Evaluation Process and Grading System:</b> | <table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>Application exercise</td> <td>50%</td> </tr> <tr> <td>Attendance</td> <td>15%</td> </tr> <tr> <td>Tests</td> <td>35%</td> </tr> </tbody> </table>   | Evaluation Type | Evaluation Weight | Application exercise | 50% | Attendance | 15% | Tests | 35% |
| Evaluation Type                               | Evaluation Weight   |                 |                   |                      |     |            |     |       |     |
| Application exercise                          | 50%   |                 |                   |                      |     |            |     |       |     |
| Attendance                                    | 15%   |                 |                   |                      |     |            |     |       |     |
| Tests   | 35%   |                 |                   |                      |     |            |     |       |     |
| <b>Books and Required Resources:</b>          | <p>Pocket Ontario Occupational Health &amp; Safety Act &amp; Regulations by Greenspan<br/>ISBN: 9780779878444</p> <p>Construction Health &amp; Safety Manual by Infrastructure Health And Safety<br/>Edition: 2013<br/>ISBN: 9780919465541</p>  |                 |                   |                      |     |            |     |       |     |



# COURSE OUTLINE

## CCT0100

Prepared: Sam Spadafora Approved: Sherri Smith

### **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:

#### **Course Outcome 1.**

Adhere to applicable health and safety related legislation and practices.

#### **Learning Objectives 1.**

#### **Course Outcome 2.**

Assist in preparing construction specifications, material and cost estimates.

#### **Learning Objectives 2.**

#### **Course Outcome 3.**

Assist in planning, scheduling and monitoring construction and civil engineering projects

#### **Learning Objectives 3.**

#### **Course Outcome 4.**

Demonstrate relevant mathematical, computer and technical problem solving skills as it relates to civil engineering / construction projects.

#### **Learning Objectives 4.**



# COURSE OUTLINE

## CCT0100

3

Prepared: Sam Spadafora Approved: Sherri Smith

### **Course Outcome 5.**

Demonstrate an understanding of the working roles and inter-relationships required to adhere to the objectives of the project and work in accordance to labour-management principles and practices.

### **Learning Objectives 5.**

### **Course Outcome 6.**

Apply sound environmental practices and policies in civil engineering / construction projects

### **Learning Objectives 6.**

#### **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



# COURSE OUTLINE

## CCT0100

4

Prepared: Sam Spadafora Approved: Sherri Smith

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



# COURSE OUTLINE

## CCT0100

5



Prepared: Sam Spadafora    Approved: Sherri Smith

alternate methods of evaluation to be able to acquire and demonstrate the modified learning outcomes

**Date:**

Wednesday, September 6, 2017

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