



## COURSE OUTLINE: CCT0101 - RIGGING AND HOISTING

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

<b>Course Code: Title</b>	CCT0101: RIGGING HOISTING MATERIAL EQUIP HANDLING
<b>Program Number: Name</b>	1120: COMMUNITY INTEGRATN
<b>Department:</b>	C.I.C.E.
<b>Semesters/Terms:</b>	19F
<b>Course Description:</b>	This course will provide the student with basic knowledge of modern, effective rigging, hoisting and material handling practices. The student will learn technical principles and concepts of load handling, as well as industry specific health & safety regulations that apply in the Province of Ontario.
<b>Total Credits:</b>	4
<b>Hours/Week:</b>	4
<b>Total Hours:</b>	60
<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>	<p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</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>
<b>Course Evaluation:</b>	Passing Grade: 50%, D
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<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            W Student has withdrawn from the course without academic penalty.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>



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**Books and Required Resources:**

Basic Rigging by NCCER  
 Publisher: Pearson Education Edition: 2nd Edition

**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. The graduate has reliably demonstrated the ability to identify and adhere to established workplace health and safety practices.	1.1 identify employee rights and responsibilities associated with health and safety practices 1.2 conduct self in safe manner and in accordance with the requirements of work situation 1.3 identify potential hazards in the workplace setting 1.4 participate in health and safety training 1.5 comply with all requirements of the current Ontario Health and Safety Act, 1990 1.6 adhere to and maintain all required health and safety training and certification such as First Aid, Workplace Hazardous Materials Information System (WHMIS), Working at Heights and Confined Space Safety training where appropriate 1.7 select and wear Personal Protective Equipment (PPE)
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
2. 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 field.	2.1 read and interpret relevant codes and specification plans 2.2 identify how current legislation, codes and standards including the Ontario Building Code and its regulations govern construction projects 2.3 adhere to current legislation, standards, codes and bylaws that regulate the equipment and materials used in construction projects
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
3. The graduate has reliably demonstrated the ability to collaborate with a range of tradespersons and project stakeholders to maintain effective working relationships.	3.1 take initiative and work independently with minimal supervision 3.2 work as an effective team player to complete tasks while promoting a positive work environment 3.3 apply effective organizational and time-management strategies in own work 3.4 take responsibility for one's job related performance, as an individual and as a member of a multidisciplinary team 3.5 obtain assistance and clarification from the appropriate specialist to resolve problems
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
4. The graduate has reliably demonstrated the ability to solve on-site trade related construction problems using mathematical equations and geometric concepts.	4.1 calculate scaffolding elevations 4.2 identify angles and slopes in erecting scaffolding 4.3 identify center of gravity for lifting operations 4.4 identify minimum and maximum cable angles for lifting and factors of safety
<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>



5. The graduate has reliably demonstrated the ability to assist skilled tradespersons and perform labouring tasks at construction sites.

5.1 load and unload construction materials and move materials to work area  
5.2 build and dismantle scaffolding and barricades

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
Attendance	15%
Practical Tests	40%
Tests and Assignments	45%

**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.

