



COURSE OUTLINE

CCT101

Prepared: Sam Spadafora Approved: Sherri Smith

Course Code: Title	CCT101: RIGGING/HOISTING/MATERIAL EQUIP HANDLING				
Program Number: Name	4097: CONS CARPENTRY TECH				
Department:	CIVIL/CONSTRUCTION				
Semester/Term:	17F				
Course Description:	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.				
Total Credits:	4				
Hours/Week:	4				
Total Hours:	60				
Course Evaluation:	Passing Grade: 50%, D				
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 W Student has withdrawn from the course without academic penalty.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>				
Evaluation Process and Grading System:	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>Attendance</td> <td>15%</td> </tr> </tbody> </table>	Evaluation Type	Evaluation Weight	Attendance	15%
Evaluation Type	Evaluation Weight				
Attendance	15%				



COURSE OUTLINE

CCT101

Prepared: Sam Spadafora Approved: Sherri Smith

Practical Tests	40%
Tests and Assignments	45%

Books and Required Resources:

Rigging Fundamentals Trainee Guide by Prentice Hall
Publisher: Prentice Hall Edition: second edition
ISBN: 9780132154567

Course Outcomes and Learning Objectives:

Course Outcome 1.

Describe and demonstrate the use of material handling tools, equipment and personal protective equipment according to the manufacturer and Occupational Health and Safety Standards.

Learning Objectives 1.

Introduction to construction related PPE (Personal Protective Equipment) - proper use & application

Course Outcome 2.

Describe the methods and procedures required for material handling and equipment load and unload operations according to the manufacturer and Occupational Health and Safety Standards

Learning Objectives 2.

Examine The Ontario Occupational Health & Safety Act & Regulations for Construction Projects, and understand how they apply to workers on construction projects

Course Outcome 3.

Describe the methods and procedures required for moving material around the job site according to the manufacturer and Occupational Health & Safety Standards



COURSE OUTLINE

CCT101

3

Prepared: Sam Spadafora Approved: Sherri Smith

Learning Objectives 3.

Identify, describe & understand material handling equipment and its safe use according to manufacturer's specifications and the Occupational Health and Safety Act. This will include equipment such as slings, (synthetic and wire rope), cables, chains, shackles, load binders, lifting clamps and hoists.

- ? Describe the selection and use of rigging & hoisting equipment for the work application.
- ? Describe load/unload procedure signals required for co-workers communication.
- ? Illustrate the documentation related to a load/unload procedure (i.e. the lift plan).

Course Outcome 4.

Describe the basics of centre of gravity and load distribution as they apply to loading, moving & hoisting of all materials on the job site according to industry standards, regulations and Occupational Health & Safety Standards.

Learning Objectives 4.

Define & apply the principles of centre of gravity and load management and apply them when selecting the appropriate material handling equipment for moving materials on a job site. Describe daily inspection practices for equipment used in the movement of materials.

Date:

Friday, September 1, 2017

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