

## Course Outline

<b>Course Title:</b>	Safety, Material and Tools		
<b>Course Number:</b>	CNST12	<b>Approval Date:</b>	2018/6/15
<b>Course Hours:</b>	168 hours	<b>Academic Year:</b>	2018
<b>Academic School:</b>	School of Trades & Technology		
<b>Faculty:</b>	Gerry O'Grady - gerry.ogrady@flemingcollege.ca Scott Fleming - scott.fleming@flemingcollege.ca		
<b>Program Co-ordinator or Equivalent:</b>	Scott Fleming - scott.fleming@flemingcollege.ca		
<b>Dean (or Chair):</b>	Jason Jackson - jason.jackson@flemingcollege.ca		

## Course Description

This course covers the common types of wood, wood structures, wood joints, and hardware used in today's construction. The selection, safe use, and maintenance of hand tools, portable power tools, and stationary power tools required by the carpenter on a typical construction site will also be covered.

**Prerequisites:** None.

**Corequisites:** None.

## Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Identify the history of the carpenter trade and trace it to the present time. State current trends in the trade and list the reasons for continuous training towards a well-rounded General Carpenter.
2. Identify the Ontario College of Trades and Apprenticeship Act, 2009, and state the apprentice's rights and responsibilities found therein including mandatory apprentice membership at the Ontario College of Trades.
3. Apply safety legislation found in the Occupational Health & Safety Act (OHSA), Workers Compensation Act, and the Environmental Protection Act, and apply the prescribed procedure when reporting an accident or hazard.
5. Select, cut, fit and assemble various projects pertaining to the carpentry industry.

6. Select, safely use and maintain common hand tools associated with the trade.
7. Select, safely use and maintain portable power tools commonly used on the job.
8. Select, safely setup, use and maintain stationary power tools commonly used by the carpentry industry.
9. Identify, select and use the signals and rigging associated with the handling, lifting and hoisting at the construction site, including ladders, planking and scaffolds.

Vocational Outcomes: This course supports the standards and practices defined by the Apprenticeship Curriculum Standard, General Carpenter, as sanctioned by the Ontario College of Trades.

General Education Goal Area: Inter Provincial (Red Seal) Certificate of Qualification.

Prerequisites: Each candidate must be indentured to a qualified contractor or union, be registered with the Ministry of Training, Colleges and University as an apprentice and a member in good standing with the Ontario College of Trades.

**Passing grade of 60% is required.**

## Learning Resources

Required text:

Carpentry Third Canadian Edition - Author: Floyd Vogt & Michael Nauth

Accompanying Workbook

Faculty members will provide some handout materials.

Mandatory Requirements:

Standard set of required hand tools for the trade

Safety Glasses, hardhats and safety shoes/boots must be worn in the carpentry shop.

## Assessment Summary

Assessment Task	Percentage
Labs	50%
Assignments	10%
Tests	40%

## Student Success: Policies and Procedures

Mutually, faculty and learners will support and adhere to college Academic Regulations, and Student Rights and Responsibilities. The following policies and guidelines have been developed to support the learning process.

Please click on the link for information about:

- [Academic Integrity \(2-201A\)](https://department.flemingcollege.ca/hr/attachment/7750/download)  
(<https://department.flemingcollege.ca/hr/attachment/7750/download>)
- [Accessibility for Persons with Disabilities \(3-341\)](https://department.flemingcollege.ca/hr/attachment/5619/download)  
(<https://department.flemingcollege.ca/hr/attachment/5619/download>)
- [Grading and Academic Standing \(2-201C\)](https://department.flemingcollege.ca/hr/attachment/7752/download)  
(<https://department.flemingcollege.ca/hr/attachment/7752/download>)
- [Guidelines for Professional Practice: Students and Faculty](https://flemingcollege.ca/PDF/guidelines-for-professional-practice-students-faculty.pdf)  
(<https://flemingcollege.ca/PDF/guidelines-for-professional-practice-students-faculty.pdf>)
- [Student Rights and Responsibilities \(5-506\)](https://department.flemingcollege.ca/hr/attachment/269/download)  
(<https://department.flemingcollege.ca/hr/attachment/269/download>)

**Alternate accessible formats of learning resources and materials will be provided, on request.**

## Program Standards

The Ministry of Training, Colleges and Universities oversees the development and the review of standards for programs of instruction. Each college is required to ensure that its programs and program delivery are consistent with these standards, and must assist students to achieve these essential outcomes.

This course contributes to Program Standards as defined by the [Ministry of Training, Colleges and Universities](#) (MTCU). Program standards apply to all similar programs of instruction offered by colleges across the province. Each program standard for a postsecondary program includes the following elements:

- **Vocational standards** (the vocationally specific learning outcomes which apply to the program of instruction in question);
- **Essential employability skills** (the essential employability skills learning outcomes which apply to all programs of instruction); and
- **General education requirement** (the requirement for general education in postsecondary programs of instruction that contribute to the development of citizens who are conscious of the diversity, complexity and richness of the human experience; and, the society in which they live and work).

Collectively, these elements outline the essential skills and knowledge that a student must reliably demonstrate in order to graduate from the program. For further information on the standards for your program, follow the MTCU link ([www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/](http://www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/))

## Detail Plan

**Term:** 2018 Fall  
**Class Section:** 60

**Session Code:** DC

**Faculty:** Daryl Leckie - Daryl.Leckie@flemingcollege.ca  
 Scott Fleming - scott.fleming@flemingcollege.ca

**Program Co-ordinator or Equivalent:** Scott Fleming - scott.fleming@flemingcollege.ca

**Dean (or Chair):** Jason Jackson - jason.jackson@flemingcollege.ca

## Learning Plan

<b>Wks/Hrs Units</b>	<b>Topics, Resources, Learning, Activities</b>	<b>Learning Outcomes</b>	<b>Assessment</b>
1	Introduction to course Trade background. Health & Safety, First Aid. Unit 4, 5, 6	1,2,3,4	Material identification Basic first aid
2	Wood & Lumber Joints & Fasteners Hand tools Unit 8, 9, 10	5,6	Related practical projects. Test #1
3	Hand tools (continued) Unit 11, 13	6	Related practical projects & work assignments.
4	Hand tools (continued) Unit 12	6	Related practical projects & work assignments. Test #2
5	Portable power tools Unit 14	7	Related practical projects & work assignments.
6	Portable power tools (continued) Unit 16, 17	7	Related practical projects & assignments. Test #3
7	Stationary power tools Unit 15	8	Related practical projects & work assignments.
8	Ropes & Rigging Scaffolds & Ladders Unit 22	9	Test #4

## Assessment Requirements

<b>Assessment Task</b>	<b>Date/Weeks</b>	<b>Course Learning Outcome</b>	<b>Percentage</b>
8 Assignments	1-8		10%
8 Projects	1-8		50%
4 Tests	2,4,6,8		40%

This course supports the standards and practices defined by the Apprenticeship Curriculum Standard, General Carpenter, as sanctioned by the Ontario College of Trades.

General Education Goal Area: Inter Provincial (Red Seal) Certificate of Qualification.

Prerequisites: Each candidate must be indentured to a qualified contractor or union, be registered with the Ministry of Training, Colleges and University as an apprentice and a member in good standing with the Ontario College of Trades.

**Passing grade of 60% is required.**

## Prior Learning and Assessment and Recognition (PLAR)

PLAR uses tools to help learners reflect on, identify, articulate, and demonstrate past learning which has been acquired through study, work and other life experiences and which is not recognized through formal transfer of credit mechanisms. PLAR options include authentic assessment activities designed by faculty that may include challenge exams, portfolio presentations, interviews, and written assignments. Learners may also be encouraged and supported to design an individual documentation package that would meet the learning requirements of the course. Any student who wishes to have any prior learning acquired through life and work experience assessed, so as to translate it into a college credit, may initiate the process by applying through the Registrar's office. For more information please click on the following link: <http://flemingcollege.ca/admissions/prior-learning-assessment-and-recognition>

## Course Specific Policies and Procedures

It is the responsibility of the student to retain this course outline for future reference. Course outlines may be required to support applications for advanced standing and credit transfer to other educational institutions, portfolio development, PLAR and accreditation with professional associations.