Fleming College

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Course Outline

Course Title:	Estimating, Calculations and Layout I		
Course Number:	CNST3	**Approval Date:**	2018/8/8
Course Hours:	32 hours	**Academic Year:**	2018
Academic School:	School of Trades & Technology		

Faculty:	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

Course Description

This course is split into two sections, each of 16 hours duration. Section 1 will review the basic mathematical principles as required by a general carpenter. Topics covered will include fractions, decimals, the metric system, mensuration, ratio & proportion, Pythagorean Theorem and trade related estimating problems. Section 2 will introduce the student to the basic principle of geometry as they apply to construction layout. Topics covered will include line-work, angles & triangles, quadrilaterals, circles, polygons, the ellipse, ratio & proportion and arches.

Prerequisites: None.

Corequisites: None.

Learning Outcomes

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

1. Add, subtract, multiply, and divide whole numbers, exponents, square-roots and use order of operations when applying these operations to trade related problems.
2. Define proper and improper fractions, mixed numbers, least common denominator, and brackets, and add, subtract, multiply, and divide fractions in imperial measure applications.
3. Add, subtract, multiply, and divide decimals in metric applications, using the concepts of rounding decimals, conversion of decimals to fractions and vice versa, and the use of decimal equivalent tables.

4. State and apply the Pythagorean Theorem to right triangles using the operation of squaring numbers and finding the square root of numbers, both by estimation and calculation.
5. Explain the concept of area and square units. Calculate the areas of common and complex shapes in the trade.
6. Explain the concept of volume and cubic units. Calculate the volumes of common and complex objects.
7. Explain the concepts of similar triangles and ratio & proportion as applied to carpentry.
8. Calculate simple and compound interest and percentage increase and decrease.
9. Identify and apply basic geometric procedures to: - Straight lines - Angles - Triangles - Quadrilaterals - Circles - Ellipses - Polygons (hexagons, octagons, etc.) - Arches

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 (OCOT).

Learning outcomes are extracted from OCOT General Carpenter Curriculum Standards 2014. Reportable Subject 3103.

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.

Generic Skills Outcomes:
To apply the mathematical skills and geometric layout solutions gained in this course, to problems encountered at the construction site.

Learning Resources

Required workbook: Fleming 2017

Required text:
Construction Geometry
Author: Brian Walmsley
Pub. Centennial College Press Practical

Recommended text:
Problems in Mathematics for carpenters
Author: Harry C. Huth
6th Edition. ISBN # 0-8273-6987-5
Pub. Delmar

Students will require:
A calculator - with trigonometric functions.
A compass, set square and architectural scales (Metric & Imperial)

Faculty members will provide some handout materials.

Assessment Summary

Assessment Task	Percentage
Quizzes	33%
Assignments	34%
Tests	33%

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)
- Accessibility for Persons with Disabilities (3-341)
  (https://department.flemingcollege.ca/hr/attachment/5619/download)
- Grading and Academic Standing (2-201C)
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- Student Rights and Responsibilities (5-506)
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Alternate accessible formats of learning resources and materials will be provided, on request.

Program Standards

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Detail Plan

Term: 2018 Fall **Session Code:** DC
Class Section: 60

Faculty: Daryl Leckie - Daryl.Leckie@flemingcollege.ca
Program Co-ordinator or Equivalent: Scott Fleming - scott.fleming@flemingcollege.ca
Dean (or Chair): Jason Jackson - jason.jackson@flemingcollege.ca

Learning Plan

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
1 or 2.5 hours	Introduction to course Whole numbers Units 1 4 Perimeter - Unit 18	1	Section 1: Assignment #1
2 or 2.5 hours	Fractions Proper/improper mixed numbers, LCD - Units 5 9.	2	Assignment #2
3 or 2.5 hours	Conversion of fractions to decimals to fractions. Decimal equivalent tables. Decimals - Units 14, Appendix	3	Assignment #3
4 or 2.5 hours	Review material and assignments to date. Test		Test #1

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
5 or 2.5 hours	Powers & Roots Unit 29 Pythagorean Theorem Unit 30 Ratio & Proportion	4	Assignment #4
6 or 2.5 hours	Area measure Units 20 24	5	Assignment #5
7 or 2.5 hours	Volume Measure Units 25	6	Assignment #6
8	Review and test		Test #2
9	Line-work	7.1	Assignment #7
10	Angles and triangles	7.1, 7.2	Assignment #8
11	Polygons - Hexagon & Octagon, Circles	7.1, 7.3,7.4, 7.6	Assignment #9
12	Review material and assignments to date. Test		Test #3
13	Polygons - Pentagon & heptagon	7.1, 7.6	Assignment #10
14	Quadrilaterals and the Ellipse	7.1, 7.7	Assignment #11
15	Ratio & Proportion	7.1, 7.8, 7.8	Assignment #12
16	Review and test		Test #4

Assessment Requirements

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Assignments - 12 @ 5% each			60%
Test - 4 @ 10% each			40%

Prior Learning and Assessment and Recognition (PLAR)

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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.

ACADEMIC RESPONSIBILITIES

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

1. To gain the most possible benefit from this skill developing course, students need to attend classes. Learning takes place when you become engaged in the learning process. Your instructor will be recording attendance data and will report absences, late arrivals and early departures to your program co-ordinator.

2. All tests and lab assignments have scheduled due/completion dates. Meeting these due dates is key to your success in this course: your instructor's feedback will add to your learning.

3. Therefore, you must write all tests with the class on the tests' assigned dates. As well, you must complete all lab assignments by the scheduled due date during the schedule lab time.

4. You will receive a grade of zero for any test not written or lab assignment not completed unless you have made arrangements with your instructor **PRIOR TO** the due date in question.

5. Your instructor will consider a makeup for missed assignments or tests for valid reasons only; for example, documented illness or extenuating personal circumstances. These situations will be discussed on an individual basis.

6. You, the student, are responsible for making these arrangements; you're learning and success in this course is a shared goal.

7. Final grades in this course are assigned based on the level of achievement that corresponds to the assessment components as cited in the course outline. It is important to note that faculty member(s) will not offer additional evaluation activities (**NO CREDIT RECOVERY**) beyond those cited in the course outline.

LATE ASSIGNMENT POLICY

You must submit/present all written/oral assignments on their assigned dates unless you make specific arrangements in writing/voice mail/E-mail with your professor at least 24 hours prior to the due date in question. In the case of any emergency, make arrangements (in writing, if necessary) immediately upon your return.

Your professor will make special arrangements for valid reasons only. In the case of illness, you may be required to provide a medical note. Other extenuating circumstances will be discussed on an individual basis.

A penalty of 10% per day will be applied to an assignment not submitted by the original or extended due date. An assignment more than three days late will receive a grade of zero ("0"). Weekends are counted as two days. No assignment will be accepted after the last day of classes without prior arrangement with your professor.

ACADEMIC INTEGRITY

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Course Outline

Course Title:	Plans, Specifications and Codes I		
Course Number:	CNST5	**Approval Date:**	2018/9/13
Course Hours:	24 hours	**Academic Year:**	2018
Academic School:	School of Trades & Technology		
Faculty:	Scott Fleming - scott.fleming@flemingcollege.ca Daryl Leckie - Daryl.Leckie@flemingcollege.ca		
Program Co-ordinator or Equivalent:	Scott Fleming - scott.fleming@flemingcollege.ca		
Dean (or Chair):	Jason Jackson - jason.jackson@flemingcollege.ca		

Course Description

This course provides an introduction to basic drafting fundamentals and practices, including freehand orthographic and pictorial sketching: the interpretation and dimensional calculation of mechanical and architectural residential working drawings: familiarization with the Ontario Building Code: and the use of wood member span tables.

Prerequisites: None.

Corequisites: None.

Learning Outcomes

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

1. Identify the relationship between owner and architect, contractor, and tradespeople.
2. Identify various types of plans and specifications used in construction industry.
3. Identify the construction controlling authorities, regulations, codes, and by-laws.
4. Identify relevant provisions of the Ontario Building Code (OBC).
5. Identify drawings as: Perspective, orthographic, oblique Isometric ¿ Oblique ¿ Orthographic
6. Identify views and sections: Front view Side view ¿ Plan (top) view ¿ Sections &Details ¿ Abbreviations ¿ Title Blocks
7. Identify the Alphabet of Lines: Object lines Hidden lines ¿ Extension lines ¿ Centre lines ¿ Cutting Plane lines ¿ Break lines

8. Identify Drafting Equipment: Scales: Architectural and Metric Drafting Tables, boards & equipment
9. Read and interpret orthographic drawings in: One view Two views ¿ Three views
10. Read and interpret isometric drawings.
11. Draw and/or sketch drawings in: Oblique Isometric ¿ Perspective ¿ Orthographic ¿ Detail Views
12. Use MS Word to create new and modify existing documents.
13. Use MS Excel to create new and modify existing documents for construction estimating.
14. Create and send an email with an attachment.

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.

Learning outcomes are extracted from OCOT General Carpenter Curriculum Standards 2014. Reportable Subject 3102.

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:Understanding Construction Drawings for Housing and Small Buildings, Author: Tom Stephenson, Third Edition with accompanying prints.

Assessment Summary

Assessment Task	Percentage
Assignments	64%
Tests	36%

Student Success: Policies and Procedures

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Program Standards

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Detail Plan

Term:	2018 Fall	**Session Code:**	DC
Class Section:	60		

Faculty:	Daryl Leckie - Daryl.Leckie@flemingcollege.ca Scott Fleming - scott.fleming@flemingcollege.ca
Program Co-ordinator or Equivalent:	Scott Fleming - scott.fleming@flemingcollege.ca
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Learning Plan

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
1	Section 1: Introduction to course Introduction to orthographic projection and pictoral drawings. Freehand sketches using orthographic drawing method. Matching views, Chapter 1 Section 2: Introduction to course, College Email	1.1,1.2,1.3: 2.1	Section 1 Assignment #1
2	Section 1:Pictorial drawings. Freehand sketches using isometric drawing method Section 2:Windows Operating System, Introduction to D2L	1.1,1.2,1.3,1.4, 2.2,2.3,2.4	Section 1 Assignment #2
3	Section 1:Line types, Correct use of architectural scales. Linear and angular measurement calculations and conversions, imperial/metric. Identify line types, symbols and abbreviations. Chapter 2 Section 2: Introduction to word processing using MS Word 2010, Instructions on using Help Starting and saving an application	1.4,1.5,1.6, 2.3,2.5	Section 1 Assignment #3 Section 2 Assignment #1
4	Section 1:Review and instructions for test. Section 2: Formatting a document, setting tabs, line spacing, page layout and columns	1.4,1.5,1.6, 2.5,2.6	Section 1 Test #1 Section 2 Assignment #2
6	Section 1:Read interpret and extract information from foundation plans, floor plans, elevation and sectional views Section 2: Utilize Word 2010 features	1.2,1.3,1.4,1.5,1.6,	Section 1: Assignment #4 Section 2: Assignment #3
7	Read interpret and extract information from foundation plans, floor plans, elevation and sectional views Section 2: Introduction to Desktop Publishing using Word	102,1.3,1.4,1.5,1.6	Section 1: Assignment #5 Section 2: Assignment #4

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
8	Section1 and 2 Review and instructions for test	1.1,1.2,1.3,1.4,1.5,1.6	Section 1 Test #2 Section 2 Test #1

Assessment Requirements

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
4 Assignments @ 5%			20%
2 Test @ 25% Isometric			50%
Section 2			%
1 Test @ 10%			10%
Section 1			%
5 Assignments @ 4% Orthographic Sketching			20%

Prior Learning and Assessment and Recognition (PLAR)

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Course Outline

Course Title:	Safety, Material and Tools		
Course Number:	CNST12	**Approval Date:**	2018/6/15
Course Hours:	168 hours	**Academic Year:**	2018
Academic School:	School of Trades & Technology		
Faculty:	Gerry O'Grady - gerry.ogrady@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		

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

Acompanying 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

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Detail Plan

Term:	2018 Fall	**Session Code:**	DC
Class Section:	60		

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

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
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

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
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.

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Fleming College

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Course Outline

Course Title:	Welding for Carpenters		
Course Number:	MECH43	**Approval Date:**	2018/1/10
Course Hours:	16 hours	**Academic Year:**	2017
Academic School:	School of Trades & Technology		
Faculty:	Gary Hoadley - Gary.Hoadley@flemingcollege.ca Scott Fleming - scott.fleming@flemingcollege.ca		
Program Co-ordinator or Equivalent:	Scott Fleming - scott.fleming@flemingcollege.ca		
Dean (or Chair):	Maxine Mann - maxine.mann@flemingcollege.ca		

Course Description

The apprentice will develop knowledge of both the Oxy-Fuel (OFW) and Arc Welding (SMAW) processes. The theory and practice of safe practices, set-up, and operating principles will be taught. Fusion welding on light and heavy steel in the flat and horizontal positions, and brazing and manual flame cutting will be taught.

Prerequisites: None.

Corequisites: None.

Learning Outcomes

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

1. List and omrecognize hazards associated with the (OFW. and SMAW.) welding and cutting processes.
2. List and define the technical terms associated with the above welding and cutting processes.
3. Describe the construction of oxygen and acetylene cylinders.
4. Demonstrate cylinder and welding/cutting equipment safe handling procedures.
5. Recall the basic principle behind the flame cutting process.
6. Identify basic joints and welds and methods of controlling distortion.
7. Describe fusion welding and non-fusion welding and be able to compare shielded metal arc to gas metal arc welding.

8. Identify the operating principles of basic power sources as used in arc welding.
9. Develop personal skills in fusion and nonfusion welding as well as manual torch cutting.
10. Develop personal skills in setting up and making basic welds with the arc welder.

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.

Generic Skills Outcomes:
To successfully apply the knowledge and skills gained in this course, to problems encountered at/in the workplace.

Learning Resources

Faculty will supply various handouts as required.

Students will require:

- Safety Boots
- Safety Glasses

It is required that all students wear safety boots in the welding and carpentry labs.
Students wearing canvas or open toed shoes will not be allowed in the welding or carpentry labs.

Assessment Summary

Assessment Task	Percentage
Labs	70%
Assignments	20%
Tests	10%

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:

- Student Rights and Responsibilities (flemingcollege.ca/PDF/Student-Rights-And-Responsibilities.pdf)
- Grading and Academic Standing (https://department.flemingcollege.ca/hr/attachment/7752/download)
- Academic Integrity (http://department.flemingcollege.ca/hr/attachment/7750/download)
- Guidelines for Professional Practice: Students and Faculty (flemingcollege.ca/PDF/guidelines-for-professional-practice-students-faculty.pdf)

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

Program Standards

The Ministry of Advanced Education and Skills Development 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 Advanced Education and Skills Development (MAESD). 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 MAESD link (www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/)

Detail Plan

Term: 2018 Winter **Session Code:** YGD

Faculty: Gary Hoadley - Gary.Hoadley@flemingcollege.ca
Scott Fleming - scott.fleming@flemingcollege.ca

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

Dean (or Chair): Maxine Mann - maxine.mann@flemingcollege.ca

Learning Plan

Wks/Hrs Units	Topics, Resources, Learning, Activities	Learning Outcomes	Assessment
2 hours	introduction to Lab safety and Cylinder safety. Safely setting pressure/lighting torches and shutdown procedures. Introduction to but/lap/t-joints	1,2,3,4,6	
	Work on OFB all demonstrated joints in preparation for assessment. Introduction to OFC- sfety/start-up/shut-down procedures	1,2,3,4,5,6	
	OFB-OFC assesment	5,9	Both assessments to be completed in lab.
	Introduction to SMAW using 1/8 6013 electrodes. Machine set-up and shut-down	2,6,10	
	Continue practicing SMAW process in preparation for final assessment.	2,6,10	
	SMAW Assessment due	2,6,10	

Assessment Requirements

Assessment Task	Date/Weeks	Course Learning Outcome	Percentage
Sample joints Brazing-25%	Week 3		25%
Manual flame cutting	Week 3		25%
Arc welding- 1F&2F welds using 1/8 6013 electrodes	Week 6		25%

Note: Participation in shop maintenance is mandatory. Weekly Clean-Up Checklists are to be completed and submitted as part of your weekly homework. These checklists will be assessed and included in your marks.

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.