

SchSkill Trd, Appr &Renew Tech

Tools I (Hand Tools)

2019-2020 Academic Year

Program	Year	Semester
START-Building Construction Technician Diploma	1	1

Course Code:	CCHT 1401		Course Equiv.	Code(s):	N/A	
Course Hours:	42		Course GPA We	eighting:	3	
Prerequisite:	N/A					
Corequisite:	N/A					
Laptop Course:	Yes	No X				
Delivery Mode(s): In class X	Online	Hybrid	Corresp	ondence	
Authorized by (Dean or Director): Rebecca M	lilburn	D	ate: June	2019

Prepared by		
First Name	Last Name	Email
Alan	Doyle	alan.doyle@durhamcollege.ca

Course Description:

Successful completion of this course will allow the Learner to select, safely use, and care for a wide variety of hand tools and non-powered equipment. Learners will have the opportunity to apply safe work habits and good housekeeping in a workshop setting.

Subject Eligibility for Prior Learning Assessment & Recognition (PLAR):

Prior Learning Assessment and Recognition (PLAR) is a process a student can use to gain college credit(s) for learning and skills acquired through previous life and work experiences. Candidates who successfully meet the course learning outcomes of a specific course may be granted credit based on the successful assessment of their prior learning. The type of assessment method (s) used will be determined by subject matter experts. Grades received for the PLAR challenge will be included in the calculation of a student's grade point average.

The PLAR application process is outlined in http://www.durhamcollege.ca/plar. Full-time and part-time students must adhere to all deadline dates. Please email: PLAR@durhamcollege.ca for details.

PLAR Eliç	gibility
Yes 🔾	No
PLAR Ass	sessment (if eligible):
X	Assignment
	Exam
	Portfolio
	Other

Course Learning Outcomes

Course Learning Outcomes contribute to the achievement of Program Learning Outcomes for courses that lead to a credential (e.g. diploma). A complete list of Vocational/Program Learning Outcomes and Essential Employability Skill Outcomes are located in each Program Guide.

Course Specific Learning Outcomes (CLO)

Student receiving a credit for this course will have reliably demonstrated their ability to:

- CLO1 select, use and maintain hand tools for boring, cutting, abrading, assembly, dismantling, measuring, squaring, marking and clamping of building materials.
- CLO2 establish safe and proper use of tools according to manufacturer's recommendations.
- CLO3 select and use materials, fasteners and connectors commonly used in the construction industry.
- CLO4 Interpret a simple sketch to accurately build a small wooden project in the allotted time.

Essential Employability Skill Outcomes (ESSO)

This course will contribute to the achievement of the following Essential Employability Skills:

- X EES 1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
- X EES 2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.
- X EES 3. Execute mathematical operations accurately.
- X EES 4. Apply a systematic approach to solve problems.
- EES 5. Use a variety of thinking skills to anticipate and solve problems.
- X EES 6. Locate, select, organize, and document information using appropriate technology and information systems.
- X EES 7. Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 8. Show respect for the diverse opinions, values, belief systems, and contribution of others.
- X EES 9. Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.
- X EES 10. Manage the use of time and other resources to complete projects.
- X EES 11. Take responsibility for one's own actions, decisions, and consequences.

Evaluation Criteria:

The Course Learning Outcomes and Essential Employability Skills Outcomes are evaluated by the following evaluation criterion.

Evaluation Description	Course Learning Outcomes	EESOs	Weighting
Quiz 1- Common hand tools	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES4, EES10, EES11	5
Graded project 1- measure and layout	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES4, EES7, EES10, EES11	5
Graded project 2- measure layout and cut accurately.	CLO1, CLO2, CLO3, CLO4	EES2, EES3, EES4, EES9, EES10	5
Mid term test	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES6, EES7, EES9, EES10	15
Graded project 3- Hand saw and chisel mortise project.	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES9, EES10, EES11	5
Graded project 4- Hand cut dove tail joints.	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES7, EES9, EES10	10
Graded project 5-Carpenters tote	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES7, EES10	15
Quiz 3-Hand planes and shaping tools.	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES7, EES9, EES10, EES11	5
Graded project 6- Hand planes and shaping tools.	CLO1, CLO2, CLO3	EES1, EES2, EES4, EES7, EES10	5
Quiz 4-gripping and clamping tools.	CLO1, CLO2, CLO3, CLO4	EES1, EES3, EES7, EES9, EES10	5
Assignment 7-Squares and truing devices.	CLO1, CLO2, CLO3, CLO4	EES1, EES9, EES10	5
Final Test	CLO1, CLO2, CLO3, CLO4	EES1, EES2, EES3, EES4, EES6, EES7, EES10, EES11	20
Total			100%

Notes:

- Students must arrive on time to tests with the appropriate materials (e.g. pens, pencils, calculator).
 No extra time will be added to the scheduled class time. Cell phones and all devices must be off the desks. No music or ear buds allowed. Anyone caught cheating will receive an automatic zero, and the person they are cheating off of may also receive a zero at the discretion of the professor.
- 2. The opportunity to write a missed test may be granted based on meeting the following criteria: Notifying the professor prior to the scheduled test time and or submitting appropriate doctors note to validate the absence. Opportunity to write a test later than the scheduled date is at the discretion of the professor.
- 3. For all tests, examinations and assignments, a deduction of 1/2 mark per error to a maximum of 10% will be made for incorrect use of terminology.
- 4. A detailed rubric outlining expectations and evaluation criteria will be distributed for all assignments. Some assignments involve partners. Failure to work collaboratively within a group the student will result in a mark of zero(0) for this assignment.

- 5. DC Connect drop box assignments must be submitted to the drop box. Work not submitted or completed for marking in the allotted time may be a given a mark of zero (0). Marks may be deducted for lateness at the discretion of the professor. (20% per day and will not be accepted after the 3rd day)
- 6. Attendance is mandatory in both shop and classroom evaluations. Workshop and lab projects cannot be completed outside of scheduled class time unless specifically approved by your professor.
- 7. Assignments not submitted in the allotted time may be a given a mark of zero (0), or marks may be deducted at the discretion of the professor. (shop assignments automatic 25% deduction if late, and not accepted after 1 additional shop class from original due date)

Required Text(s) and Supplies:

- 1. Carpentry 2nd Canadian Edition, Nelson Publishing, ISBN 13-978-0-17-650273-7
- 2. Student Workbook for use with Carpentry 2nd Canadian Edition, Nelson Publishing ISBN 13-978-0-17-664675-2
- 3. Proper Shop Attire: Green patch footwear and safety glasses, tape measure, carpentry pencil.

Recommended Resources (purchase is optional):

1. Library, DC Connect

Policies and Expectations for the Learning Environment:

General Policies and Expectations:

General College policies related to

- + Acceptable Use of Information Technology
- Academic Policies
- + Academic Honesty
- + Student Code of Conduct
- Students' Rights and Responsibilities can be found on-line at http://www.durhamcollege.ca/academicpolicies

General policies related to

- + attendance
- absence related to tests or assignment due dates
- + excused absences
- + writing tests and assignments
- classroom management can be found in the Program Guide (full time programs only) in MyCampus http://www.durhamcollege.ca/mycampus/

Course Specific Policies and Expectations:

- 1. Student conduct: Students are expected to conduct themselves in a professional manner while on campus and off campus. Students are expected to comply with the program's professional conduct, appearance, and safety expectations found in the Program Guide and to understand and comply with off-site policies and procedures. It is everyone's responsibility to have respect for their peers.
- 2. Cell phone use: Electronic communication devices will be turned off and not used in the classroom unless part of the objectives or learning activities of a course or lesson. Students who disrupt a class to the detriment of the other members of the class will be asked to leave.
- 3. Peer interaction and feedback: Students are expected to participate with their peers in active learning activities and demonstrations. These demonstrations provide students with opportunities for written/verbal feedback from their peers, instructor, and others on the application of learned course material.
- 4. Attendance: Students are expected to attend all lecture and practical sessions for this course. Failure to do so could result in serious gaps in knowledge that may result in safety breaches in the shop environment. If the professor feels that a student is not being "safe" in the shop, the professor will remove the student from the environment. It is the students responsibility to access DC Connect and keep up to date on assignments and content when absent from class.

General Course Outline Notes:

- 1. Students should use the course outline as a learning tool to guide their achievement of the learning outcomes for this course. Specific questions should be directed to their individual professor.
- The college considers the electronic communication methods (i.e. DC Mail or DC Connect) as the primary channel of communication. Students should check the sources regularly for current course information.
- 3. Professors are responsible for following this outline and facilitating the learning as detailed in this outline.
- 4. Course outlines should be retained for future needs (i.e. university credits, transfer of credits etc.)
- 5. A full description of the Academic Appeals Process can be found at http://durhamcollege.ca/gradeappeal.
- 6. Faculty are committed to ensuring accessible learning for all students. Students who would like assistance with academic access and accommodations in accordance with the Ontario Human Rights Code should register with the Access and Support Centre (ASC). ASC is located in room SW116, Oshawa Campus and in room 180 at the Whitby Campus. Contact ASC at 905-721-3123 for more information.
- 7. Durham College is committed to the fundamental values of preserving academic integrity. Durham College and faculty members reserve the right to use electronic means to detect and help prevent plagiarism. Students agree that by taking this course all assignments could be subject to submission either by themselves or by the faculty member for a review of textual similarity to Turnitin.com. Further information about Turnitin can be found on the Turnitin.com Web site.

Learning Plan

The Learning Plan is a planning guideline. Actual delivery of content may vary with circumstances.

Students will be notified in writing of changes that involve the addition or deletion of learning outcomes or evaluations, prior to changes being implemented, as specified in the Course Outline Policy and Procedure at Durham College.

Wk.	Hours: 1 Delivery: In Class
1	Course Learning Outcomes CLO1, CLO2, CLO3, CLO4
	Essential Employability Skills
	Taught: EES3, EES4, EES10, EES11 Practiced: EES3, EES4, EES10, EES11
	Intended Learning Objectives
	Students will be expected to learn the contents of the course outline and discuss learning outcomes and expectations. Students will learn to distinguish the various hand tools used in the construction industry.
	Intended Learning Activities
	Guided lecture, worksheets, reference sheets.
	Resources and References
	DC Connect,text book, AV presentation, worksheets,Written assignment/Rubric.
	Evaluation
Wk.	Hours: 2 Delivery: Shop
1	Course Learning Outcomes CLO1, CLO2, CLO3
	Essential Employability Skills
	Taught: Practiced:
	Intended Learning Objectives
	Students will learn to use the various measuring and marking tools and types of hand saws and blades commonly used in the construction industry.
	Intended Learning Activities
	Hands on shop work activity.
	Resources and References
	DC Connect,text book, AV presentation, worksheets,Written assignment/Rubric.
	Evaluation

Wk.	Hours: 1	De	livery:	In Class		
VVII.				III Oldoo		
2		ning Outcom	ies			
	CLO1, CLO)2				
	Essential En	nployability S	Skills			
	Taught:	EES1, EES	83, EES4	, EES10	Practiced:	EES1, EES3, EES4, EES10
	Intended Lea	arning Objec	tives			
				ents will learn t construction ir		tinguish the various types of hand saws
	Intended Lea	arning Activi	ties			
	Guided lect Project rubr	ure, workshee	ets, refer	ence sheets.		
	Resources a	and Referenc	es			
	DC Connec	t,text book, A	V preser	ntation, workshe	eets,Written assig	nment/Rubric
	Evaluation					Weighting
	Quiz 1- Cor	mmon hand to	ols.			5
Wk.	Hours: 2	. De	livery:	Shop		
2	Course Lear	ning Outcom	nes			
2	CLO1, CLC)2				
	Essential En	nployability S	Skills			
	Taught:	EES1, EES EES10, EE	33, EES4 S11	, EES7,	Practiced:	EES1, EES3, EES4, EES7, EES10, EES11
	Intended Le		tivos			
	Interiaca Le	arning Objec	แงษร			
		arning Objec ject 1- measu		iyout		
	Graded pro		re and la	iyout		
	Graded pro	ject 1- measu	re and la	iyout		
	Intended Lea	ject 1- measu	re and la	iyout		
	Intended Lea Hands on s Resources a	ject 1- measu arning Activi hop work activi and Reference	re and la		eets,Written assig	nment/Rubric
	Intended Lea Hands on s Resources a	ject 1- measu arning Activi hop work activi and Reference	re and la		eets,Written assig	nment/Rubric Weighting

Wk.	Hours: 1 Delivery: In Class
_	Course Learning Outcomes
3	CLO1, CLO2
	For and all Foundations half to Challe
	Essential Employability Skills
	Taught: EES4, EES7, EES10, EES11 Practiced: EES4, EES7, EES10, EES11
	Intended Learning Objectives
	Students will learn to identify and distinguish the various types of hammers used in the construction industry safely and effectively.
	Intended Learning Activities
	Guided lecture, worksheets, reference sheets.
	Resources and References
	DC Connect,text book, AV presentation, worksheets,Written assignment/Rubric
	Evaluation
Wk.	Hours: 2 Delivery: Shop
	Hours: 2 Delivery: Shop Course Learning Outcomes
Wk. 3	
	Course Learning Outcomes
	Course Learning Outcomes CLO1, CLO2, CLO3
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11 Intended Learning Objectives Students will learn to use the various types of hammers used in the construction industry safely and for
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11 Intended Learning Objectives Students will learn to use the various types of hammers used in the construction industry safely and for the best outcome.
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11 Intended Learning Objectives Students will learn to use the various types of hammers used in the construction industry safely and for the best outcome. Intended Learning Activities
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11 Intended Learning Objectives Students will learn to use the various types of hammers used in the construction industry safely and for the best outcome. Intended Learning Activities Hands on shop work activity.
	Course Learning Outcomes CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES10, EES11 Practiced: EES2, EES4, EES10, EES11 Intended Learning Objectives Students will learn to use the various types of hammers used in the construction industry safely and for the best outcome. Intended Learning Activities Hands on shop work activity. Resources and References

Wk.	Hours: 1		Deliver	y: In Class		
	Course Lear					
4	CLO1, CLO	•	.0011100			
	0201, 020	_				
	Essential Em	nployabi	lity Skills	5		
	Taught:	EES1,	EES4, E	ES7, EES11	Practiced:	EES1, EES4, EES7, EES11
	Intended Lea	arning O	bjectives	3		
	Students will industry.	ll learn to	identify a	and distinguish	the various types of	chisels used in the construction
	Intended Lea	arning A	ctivities			
	Guided lectu	ure, work	sheets, re	eference sheets	S.	
	Resources a	nd Refe	rences			
	DC Connec	t,text boo	k, AV pre	esentation, work	ksheets,Written assig	gnment/Rubric
	Evaluation					
	Quiz 2-hand	saws				
Wk.	Hours: 2		Deliver	v: Shop		
Wk.			Deliver	y: Shop		
Wk. 4	Course Lear	ning Out		y: Shop		
		ning Out		y: Shop		
	Course Lear	ning Out	comes	,		
	Course Lear	ning Out 2 nployabi EES1,	comes	,	Practiced:	EES1, EES3, EES6, EES7, EES9, EES10
	Course Lear CLO1, CLO Essential Em	ning Out 2 nployabi EES1, EES9,	lity Skills EES3, E EES10	S ES6, EES7,	Practiced:	EES1, EES3, EES6, EES7, EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught:	ning Out 2 nployabi EES1, EES9, arning O	icomes lity Skills EES3, E EES10 bjectives	S ES6, EES7,		EES1, EES3, EES6, EES7, EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught:	ning Out 2 nployabi EES1, EES9, arning O	lity Skills EES3, E EES10 bjectives	ES6, EES7,		EES1, EES3, EES6, EES7, EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj	ning Out 2 nployabi EES1, EES9, arning O ect 2- me	lity Skills EES3, EEES10 bjectives easure lay	ES6, EES7,		EES1, EES3, EES6, EES7, EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj	ning Out 2 nployabi EES1, EES9, arning Out ect 2- me	lity Skills EES3, E EES10 bjectives easure lay	ES6, EES7,		EES1, EES3, EES6, EES7, EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj Intended Lea Hands on st	ning Out 2 nployabi EES1, EES9, arning Out ect 2- me arning Act nop work	lity Skills EES3, E EES10 bjectives easure lay ctivities activity.	ES6, EES7, yout and cut acc		EES9, EES10
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj Intended Lea Hands on st Resources a DC Connect Evaluation	ning Out 2 nployabi EES1, EES9, arning O ect 2- me arning Ac nop work nd Refer	lity Skills EES3, E EES10 bjectives easure lay ctivities activity.	ES6, EES7, yout and cut acc	curately. «sheets,Written assiç	EES9, EES10

Wk.	. Hours: 1 Delivery: In 0	Class
_	Course Learning Outcomes	
5	CLO1, CLO2	
	Essential Employability Skills	
		ES9, Practiced: EES1, EES4, EES7, EES9,
	Taught: EES1, EES4, EES7, EE	EES11
	Intended Learning Objectives	
	Students will learn to Identify and der industry safely.	nonstrate the safe and proper use of chisels used in the construction
	Intended Learning Activities	
	Guided lecture, worksheets, reference	e sheets.
	Resources and References	
	DC Connect,text book, AV presentati	on, worksheets,Written assignment/Rubric
	Evaluation	
Wk.	. Hours: 2 Delivery: Sh	p
5	Course Learning Outcomes	
	CLO1, CLO2	
	Essential Employability Skills	
	Taught: EES4, EES7, EES9, EE	S11 Practiced: EES4, EES7, EES9, EES11
		Tracticed.
	Intended Learning Objectives	
	Intended Learning Objectives	monly used in the construction industry safely and for the best
	Intended Learning Objectives Students will learn to use chisels com	
	Intended Learning Objectives Students will learn to use chisels comoutcome.	
	Intended Learning Objectives Students will learn to use chisels comoutcome. Intended Learning Activities	
	Intended Learning Objectives Students will learn to use chisels comoutcome. Intended Learning Activities Hands on shop work activity. Resources and References	

Wk.	Hours: 1 Delivery: In Class		
6	Course Learning Outcomes CLO1, CLO2, CLO3		
	Essential Employability Skills		
	Taught: EES1, EES2, EES3, EES4, PESS EES10	racticed:	EES1, EES2, EES3, EES4, EES10
	Intended Learning Objectives		
	Mid Term Test		
	Intended Learning Activities		
	Mid Term Test-weeks 1-6		
	Resources and References		
	DC Connect,text book, AV presentation, worksheets,	Written assig	nment/Rubric.
	Evaluation Mid Term Test		Weighting 15
Wk.	Hours: 2 Delivery: Shop		
6	Course Learning Outcomes CLO1, CLO2		
	Essential Employability Skills		
	Taught: EES1, EES4, EES7, EES10 P	racticed:	EES1, EES4, EES7, EES10
	Intended Learning Objectives		
	Graded project 3- Hand saw and chisel mortise project	ct.	
	Intended Learning Activities		
	Intended Learning Activities Hands on shop work activity.		
	Hands on shop work activity.	Vritten assiç	nment/Rubric.

Wk.	Hours: 1		Delivery:	In Class		
7	Course Lear	ning Outco	omes			
,	CLO1, CLO	2				
	Essential Em	nployabilit	y Skills			
	Taught:	EES2, E EES11	ES4, EES	37, EES10,	Practiced:	EES2, EES4, EES7, EES10, EES11
	Intended Lea	arning Obj	ectives			
	Students will safely and e		dentify and	d distinguish co	ping saws commo	only used in the construction industry
	Intended Lea	arning Act	ivities			
	Guided lectu	ure, worksh	neets, refe	erence sheets.		
	Resources a	nd Refere	nces			
	DC Connec	t,text book,	, AV prese	entation, worksh	neets,Written assiç	gnment/Rubric.
	Evaluation					
Wk.	Hours: 2	[Delivery:	Shop		
Wk.			Delivery:	Shop		
Wk. 7	Hours: 2 Course Lear CLO1, CLO	ning Outco		Shop		
	Course Lear	ning Outco	omes	Shop		
	Course Lear	ning Outco 2 nployabilit	omes y Skills	Shop S4, EES10	Practiced:	EES2, EES3, EES4, EES10
	Course Lear CLO1, CLO Essential Em	ning Outco 2 nployabilit EES2, E	omes y Skills ES3, EES	· .	Practiced:	EES2, EES3, EES4, EES10
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj	ning Outco	y Skills ES3, EES ectives d cut dove	64, EES10 e tail joints.	Practiced:	
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj	ning Outco 2 nployabilit EES2, E arning Obj ject 4- Hand Il learn to la	omes y Skills ES3, EES ectives d cut dove	64, EES10 e tail joints.		
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj Students wi	ning Outco	y Skills ES3, EES ectives d cut dove	64, EES10 e tail joints.		
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj Students wii Intended Lea Hands on sl	ning Outco 2 nployabilit EES2, E arning Obj ject 4- Hand Il learn to la arning Acti hop work a	y Skills ES3, EES ectives d cut dove ayout and ivities ctivity.	64, EES10 e tail joints.		
	Course Learn CLO1, CLO Essential Em Taught: Intended Lea Graded proj Students wii Intended Lea Hands on st Project rubri Resources a	ning Outco 2 nployabilit EES2, E arning Obj ject 4- Hand Il learn to la arning Acti hop work a ic	y Skills ES3, EES ectives d cut dove ayout and ivities ctivity.	e tail joints.		v and chisel.

Wk.	Hours: 1 Delivery: In Class
8	Course Learning Outcomes
	CLO1, CLO2
	Essential Employability Skills
	Taught: EES1, EES4, EES7, EES10 Practiced: EES1, EES4, EES7, EES10
	Intended Learning Objectives
	Quiz 3-Hand planes and shaping tools.
	Intended Learning Activities
	Guided lecture, worksheets, reference sheets.
	Resources and References
	DC Connect,text book, AV presentation, worksheets,Written assignment/Rubric.
	Evaluation Weighting
	Quiz 3-Hand planes and shaping tools. 5
Wk.	Hours: 2 Delivery: Shop
8	Course Learning Outcomes
	CLO1, CLO2
	Essential Employability Skills
	Taught: EES2, EES4, EES7, EES10 Practiced: EES2, EES4, EES7, EES10
	Intended Learning Objectives
	Continued from previous week-Graded Project 4- Hand cut dove tail joints Students will learn to layout and cut dove tail joint using hand saw and chisel.
	Intended Learning Activities
	Hands on shop work activity. Project rubric
	Resources and References
	DC Connect,text book, AV presentation, worksheets,Written assignment/Rubric
	Evaluation
	Graded project 4- Hand cut dove tail joints. Students will learn to layout and cut dove tail joint using hand saw and chisel.

Wk.	Hours: 1	Delivery:	: In Class				
VVK.							
9	Course Learning Outcomes						
	CLO1, CLO2						
	Essential Em	ployability Skills					
	Taught:	EES2, EES4, EE EES11	S7, EES10,	Practiced:	EES2, EES4, EES7, EES10, EES11		
	Intended Lea	rning Objectives					
	Students wil construction	I learn to identify ar industry safely and	nd distinguish diffe d effectively.	erent pliers and g	ripping tools commonly used in the		
	Intended Lea	rning Activities					
	Guided lectu	ure, worksheets, ref	erence sheets.				
	Resources a	nd References					
	DC Connect	t,text book, AV pres	entation, workshe	ets,Written assig	nment/Rubric.		
	Evaluation						
Wk.	Hours: 2	Delivery:	Shop				
			: Shop				
Wk .		ning Outcomes	: Shop				
	Course Learn	ning Outcomes	: Shop				
	Course Learn	ning Outcomes 2 nployability Skills	Shop	Practiced:	EES3, EES4, EES9, EES10, EES11		
	Course Learn CLO1, CLO2 Essential Em	ning Outcomes 2 nployability Skills EES3, EES4, EE	·	Practiced:	EES3, EES4, EES9, EES10, EES11		
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Continued fr	ning Outcomes ployability Skills EES3, EES4, EE EES11	S9, EES10, Graded project 4-	Hand cut dove to	EES11 ail joints		
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Continued fr Students wil	ning Outcomes 2 aployability Skills EES3, EES4, EEES11 arning Objectives com previous week-	S9, EES10, Graded project 4-	Hand cut dove to	EES11 ail joints		
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Continued fr Students will Intended Lea	ning Outcomes 2 aployability Skills EES3, EES4, EEES11 arning Objectives com previous week- I learn to layout and arning Activities approximately activity.	S9, EES10, Graded project 4-	Hand cut dove to	EES11 ail joints		
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Continued fr Students will Intended Lea Hands on sh Project rubri	ning Outcomes 2 aployability Skills EES3, EES4, EEES11 arning Objectives com previous week- I learn to layout and arning Activities approximately activity.	S9, EES10, Graded project 4-	Hand cut dove to	EES11 ail joints		
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Continued fr Students wil Intended Lea Hands on sh Project rubri Resources and	ning Outcomes 2 Inployability Skills EES3, EES4, EEEES11 Irrning Objectives Tom previous week-I learn to layout and Irrning Activities Those work activity.	S9, EES10, Graded project 4-d cut dove tail join	Hand cut dove to the table to table to table to the table to	EES11 ail joints and chisel.		

Wk.	Hours: 1 Delivery: In Class	
	Course Learning Outcomes	
10	CLO1, CLO2, CLO3	
	Essential Employability Skills	
	Taught: EES1, EES2, EES4, EES10, EES11	Practiced: EES1, EES2, EES4, EES10, EES11
	Intended Learning Objectives	
	Students will learn to identify and distinguish construction industry safely and effectively.	different clamps and tools commonly used in the
	Intended Learning Activities	
	Guided lecture, worksheets, reference sheets	S.
	Resources and References	
	DC Connect,text book, AV presentation, world	ksheets,Written assignment/Rubric.
	Evaluation	Weighting
	Quiz 4-gripping and clamping tools.	5
Wk.	Hours: 2 Delivery: Shop	
10	Course Learning Outcomes	
	Course Learning Outcomes	
	CLO1, CLO2, CLO3	
	CLO1, CLO2, CLO3	Practiced: EES2, EES4, EES9, EES11
	CLO1, CLO2, CLO3 Essential Employability Skills	Practiced: EES2, EES4, EES9, EES11
	CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives	Practiced: EES2, EES4, EES9, EES11 clamps and tools commonly used in the construction
	CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives Students will learn to select and use different	
	CLO1, CLO2, CLO3 Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives Students will learn to select and use different industry safely and for the best outcome.	
	Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives Students will learn to select and use different industry safely and for the best outcome. Intended Learning Activities	
	Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives Students will learn to select and use different industry safely and for the best outcome. Intended Learning Activities Hands on shop work activity.	clamps and tools commonly used in the construction
	Essential Employability Skills Taught: EES2, EES4, EES9, EES11 Intended Learning Objectives Students will learn to select and use different industry safely and for the best outcome. Intended Learning Activities Hands on shop work activity. Resources and References	clamps and tools commonly used in the construction

Wk.	Hours: 1	Delivery:	In Class				
VVN.			III Class				
11	Course Learning Outcomes						
	CLO1, CLO2						
	Essential En	nployability Skills					
	Taught:	EES2, EES4, EES	89, EES11	Practiced:	EES2, EES4, EES9, EES11		
	Intended Lea	arning Objectives					
		II learn to identify an construction industry			clines and squaring devices commonly		
	Intended Lea	arning Activities					
	Guided lect	ure, worksheets, refe	erence sheets.				
	Resources a	and References					
	DC Connec	t,text book, AV prese	entation, workshe	ets,Written assig	gnment/Rubric		
	Evaluation						
Wk.	Hours: 2	Delivery:	Shop				
44	Course Lear	ning Outcomes					
11	CL 04 CL 0						
	CLO1, CLO	2					
		nployability Skills					
			87, EES11	Practiced:	EES2, EES4, EES7, EES11		
	Essential En	nployability Skills	87, EES11	Practiced:	EES2, EES4, EES7, EES11		
	Essential En Taught: Intended Lea Students wi	nployability Skills EES2, EES4, EES arning Objectives	d distinguish diffe	rent different stri	ing, chalk lines and squaring devices		
	Essential En Taught: Intended Lea Students wi commonly u	nployability Skills EES2, EES4, EES arning Objectives Ill learn to identify an	d distinguish diffe	rent different stri	ing, chalk lines and squaring devices		
	Essential En Taught: Intended Lea Students wi commonly u Intended Lea	nployability Skills EES2, EES4, EES arning Objectives ill learn to identify anused in the construct arning Activities ads on shop work act	d distinguish diffe ion industry safely	rent different stri	ing, chalk lines and squaring devices		
	Essential En Taught: Intended Lea Students wi commonly u Intended Lea Graded han Project rubr	nployability Skills EES2, EES4, EES arning Objectives ill learn to identify anused in the construct arning Activities ads on shop work act	d distinguish diffe ion industry safely	rent different stri	ing, chalk lines and squaring devices		
	Essential En Taught: Intended Lea Students wi commonly u Intended Lea Graded han Project rubr Resources a	nployability Skills EES2, EES4, EES arning Objectives Ill learn to identify anused in the construct arning Activities ads on shop work actic	d distinguish diffe ion industry safely ivity.	rent different stri	ing, chalk lines and squaring devices t outcome.		

Wk.	Hours: 1	Delivery:	In Class				
12	Course Learning Outcomes						
	CLO1, CLO2						
	Essential Em	ployability Skills					
	Taught:	EES2, EES4, EES EES11	9, EES10,	Practiced:	EES2, EES4, EES9, EES10, EES11		
	Intended Lea	rning Objectives					
	Students will used in the o	I learn to select and construction industry	use different differ safely and effecti	rent counter pur vely.	nches and counter sink tools commonly		
	Intended Lea	rning Activities					
	Guided lectu	ure, worksheets, refe	erence sheets.				
	Resources at	nd References					
	DC Connect	t,text book, AV prese	entation, workshee	ts,Written assig	gnment/Rubric		
	Evaluation Assignment	7-Punches, counter	sinks.				
Wk.	Hours: 2	Delivery:	Shop				
10	Course Learr	ning Outcomes					
12	CLO1, CLO2	2					
	Essential Em	ployability Skills					
	Taught:	EES2, EES4, EES	9, EES11	Practiced:	EES2, EES4, EES9, EES11		
	Intended Learning Objectives						
	Students will learn to select and use different different counter punches and counter sink tools commonly used in the construction industry safely and for the best outcome.						
	Intended Learning Activities						
	Hands on sh Project rubri	nop work activity.					
	Resources at	nd References					
1							
	DC Connect	t,text book, AV prese	entation, workshee	ts,Written assig	gnment/Rubric.		

Wk.	Hours: 1	Delivery:	In Class			
13	Course Learning Outcomes					
10	CLO1, CLO	2				
	Essential En	nployability Skills				
	Taught:	EES7, EES11		Practiced:	EES7, EES11	
	Intended Lea	arning Objectives				
		II learn to identify and construction industry			ring and nail pulling tools commonly	
	Intended Lea	arning Activities				
	Guided lect	ure, worksheets, refe	erence sheets.			
	Resources a	and References				
	DC Connec	t,text book, AV prese	entation, workshe	eets,Written assig	gnment/Rubric.	
	Evaluation				Weighting	
	Quiz 6-Pryir	ng tools			5	
Wk.	Hours: 2	Delivery:	Shop			
Wk. 13	Course Lear	rning Outcomes	Shop			
		rning Outcomes	Shop			
	Course Lear	rning Outcomes	Shop			
	Course Lear	ning Outcomes	· · · · · · · · · · · · · · · · · · ·	Practiced:	EES2, EES4, EES10, EES11	
	Course Lear CLO1, CLO Essential En Taught:	ning Outcomes 2 nployability Skills	· · · · · · · · · · · · · · · · · · ·	Practiced:	EES2, EES4, EES10, EES11	
	Course Lear CLO1, CLO Essential En Taught: Intended Lea	ning Outcomes nployability Skills EES2, EES4, EES	:10, EES11 use different diff		EES2, EES4, EES10, EES11 nail pulling tools commonly used in the	
	Course Lear CLO1, CLO Essential En Taught: Intended Lea Students wi construction	rning Outcomes 22 22 22 22 22 22 22 22 22 22 22 22 22	:10, EES11 use different diff			
	Course Lear CLO1, CLO Essential En Taught: Intended Lea Students wi construction Intended Lea	rning Outcomes 22 22 22 22 23 24 25 26 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	use different diffeffectively.			
	Course Lear CLO1, CLO Essential En Taught: Intended Lea Students wi construction Intended Lea graded hand Project rubr	rning Outcomes 22 22 22 22 23 24 25 26 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	use different diffeffectively.			
	Course Lear CLO1, CLO Essential En Taught: Intended Lea Students wi construction Intended Lea graded hand Project rubr Resources a	rning Outcomes 22 22 22 22 23 24 25 26 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	use different differentively.	ferent prying and	nail pulling tools commonly used in the	
	Course Lear CLO1, CLO Essential En Taught: Intended Lea Students wi construction Intended Lea graded hand Project rubr Resources a DC Connec	rning Outcomes 22 22 22 22 23 24 25 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	use different differentively.	ferent prying and	nail pulling tools commonly used in the	

Wk.	Hours: 1	Deliver	y: In Class		
4.4	Course Learn	ning Outcomes			
14	CLO1, CLO2	_			
	Econtial Em	nlovobility Ckille			
		ployability Skills		5	FF04 FF02 FF02 FF04
	Taught:	EES1, EES2, E EES7, EES9, E		Practiced:	EES1, EES2, EES3, EES4, EES7, EES9, EES10, EES11
	Intended Lea	rning Objectives	3		
	Final Test				
	Intended Lea	rning Activities			
	Final Test-w	eeks 7-14			
	Posources a	nd References			
			esentation, worksh	eets Written assi	anment/Ruhric
	DO CONNECT	,toxt book, AV pro			griffichter (ubric.
	Evaluation				Weighting
	Final Test				20
Wk.	Hours: 2	Deliver	y: Shop		
Wk.	Course Learr	ning Outcomes	y: Shop		
	Course Learr		y: Shop		
	Course Learn	ning Outcomes	·		
	Course Learn	ning Outcomes 2, CLO3, CLO4	ES3, EES4,	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught:	ning Outcomes 2, CLO3, CLO4 ployability Skills EES1, EES2, E	ES3, EES4, EES11	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea	ning Outcomes 2, CLO3, CLO4 ployability Skills EES1, EES2, E EES7, EES10, I	ES3, EES4, EES11	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro	ning Outcomes 2, CLO3, CLO4 ployability Skills EES1, EES2, E EES7, EES10, I	ES3, EES4, EES11	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro	ployability Skills EES1, EES2, EES7, EES10, E rning Objectives pjects for marking.	ES3, EES4, EES11	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro Intended Lea Shop work p	ning Outcomes 2, CLO3, CLO4 ployability Skills EES1, EES2, E EES7, EES10, E rning Objectives bjects for marking. rning Activities	ES3, EES4, EES11	Practiced:	EES1, EES2, EES3, EES4, EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro Intended Lea Shop work p	ployability Skills EES1, EES2, E EES7, EES10, E rning Objectives bjects for marking. rning Activities roject	ES3, EES4, EES11		EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro Intended Lea Shop work p Resources an Written assig	ployability Skills EES1, EES2, E EES7, EES10, E rning Objectives bjects for marking. rning Activities roject	ES3, EES4, EES11		EES7, EES10, EES11
	Course Learn CLO1, CLO2 Essential Em Taught: Intended Lea Finish all pro Intended Lea Shop work p	ployability Skills EES1, EES2, E EES7, EES10, E rning Objectives bjects for marking. rning Activities roject	ES3, EES4, EES11		EES7, EES10, EES11