



COURSE OUTLINE: ARB707 - ARBORIST HANDTOOLS 2

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Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

Course Code: Title	ARB707: UTILITY ARBORIST HAND TOOLS II
Program Number: Name	6561: UTILITY ARBORIST II
Department:	UTILITY ARBORIST - APPR.
Semesters/Terms:	20W
Course Description:	Demonstrate knowledge of how to select, adjust, maintain and store, tools and equipment commonly used in the Utility Arboricultural trade.
Total Credits:	1
Hours/Week:	4
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Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Essential Employability Skills (EES) addressed in this course:	EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 50%,

Course Outcomes and Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	Select, inspect, adjust, and maintain, set-up and store manual and powered tools and equipment common to arboricultural operations.	Identify, inspect, maintain, set up, and store the following hand tools including chisels, mallets, axes, sledge hammers, shovels, spades, picks, rakes, brooms, ladders, knives, pole pruners, pole saws, compressors, extension cords, maintenance and adjustment tools, drills, augers and bits, brush saws, handsaws, rigging, ropes, friction savers, slings, Woopies, nylon webs, ropes, throw pouch, sling shot, loppers, secateurs, friction devices, connectors, carabiners, clevis, felling levers, wedges, rigging blocks, wire rope, synthetic ropes, tackle blocks, multi-sheave block, rope pullers, chainsaws, gas powered tools. Explain how to select the appropriate tool for various pruning methods, limb diameters and work to be completed
	Course Outcome 2	Learning Objectives for Course Outcome 2
	Perform daily maintenance on chainsaws according to manufacturer's specifications as outlined in	Explain how to inspect, clean and maintain the various components of a chainsaw Describe how to properly fill a chainsaw with the proper gas



	the owner`s/operator`s manual.	mix and bar oil Sharpen the chain with proper file selection
	Course Outcome 3	Learning Objectives for Course Outcome 3
	Test chainsaw performance.	Start chainsaw Adjust throttle and carburetor settings as required Test chain brake by engaging and disengaging brake
	Course Outcome 4	Learning Objectives for Course Outcome 4
	Perform daily maintenance on hydraulic pruners and hydraulic saws according to manufacturer`s specifications as outlined in the owner`s / operator`s manual.	Explain how to inspect, clean and maintain the various components of a hydraulic tools used in trade Sharpen the cutting head with proper file selection

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight	Course Outcome Assessed
Attendance	25%	
Quizzes / Assignments	25%	
Skills Demonstration	50%	

Date:

June 25, 2018

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

