



COURSE OUTLINE

ARB707

1

Prepared: Steve McClinchey Approved: Sherri Smith

Course Code: Title	ARB707: UTILITY ARBORIST HAND TOOLS II								
Program Number: Name	6561: UTILITY ARBORIST II								
Department:	UTILITY ARBORIST - APPR.								
Semester/Term:	18W								
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								
Total Hours:	4								
Essential Employability Skills (EES):	#4. Apply a systematic approach to solve problems. #5. Use a variety of thinking skills to anticipate and solve problems. #9. Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. #10. Manage the use of time and other resources to complete projects. #11. Take responsibility for ones own actions, decisions, and consequences.								
Course Evaluation:	Passing Grade: 50%,								
Evaluation Process and Grading System:	<table><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>Attendance</td><td>25%</td></tr><tr><td>Quizzes / Assignments</td><td>25%</td></tr><tr><td>Skills Demonstration</td><td>50%</td></tr></table>	Evaluation Type	Evaluation Weight	Attendance	25%	Quizzes / Assignments	25%	Skills Demonstration	50%
Evaluation Type	Evaluation Weight								
Attendance	25%								
Quizzes / Assignments	25%								
Skills Demonstration	50%								
Course Outcomes and Learning Objectives:	Course Outcome 1. Select, inspect, adjust, and maintain, set-up and store manual and powered tools and equipment common to arboricultural operations. Learning Objectives 1.								



COURSE OUTLINE

ARB707

2

Prepared: Steve McClinchey Approved: Sherri Smith

- 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.

Perform daily maintenance on chainsaws according to manufacturer's specifications as outlined in the owner's/operator's manual.

Learning Objectives 2.

- Explain how to inspect, clean and maintain the various components of a chainsaw
- Describe how to properly fill a chainsaw with the proper gas mix and bar oil
- Sharpen the chain with proper file selection

Course Outcome 3.

Test chainsaw performance.

Learning Objectives 3.

- Start chainsaw
- Adjust throttle and carburetor settings as required
- Test chain brake by engaging and disengaging brake

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.



COURSE OUTLINE

ARB707

3

Prepared: Steve McClinchey Approved: Sherri Smith

Learning Objectives 4.

- 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

Date:

Thursday, August 31, 2017

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