



COURSE OUTLINE

ARB603

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Prepared: John Clement Approved: Sherri Smith

Course Code: Title	ARB603: UTILITY ARBORIST HAND TOOLS I						
Program Number: Name	6560: UTILITY ARBORIST I						
Department:	UTILITY ARBORIST - APPR.						
Semester/Term:	18W						
Course Description:	This course will provide the student with the skills, tools and knowledge necessary to select adjust, maintain and store tools and equipment commonly used in the utility arboriculture trade.						
Total Credits:	3						
Hours/Week:	25						
Total Hours:	25						
Essential Employability Skills (EES):	<p>#5. Use a variety of thinking skills to anticipate and solve problems.</p> <p>#7. Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>#9. Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>#10. Manage the use of time and other resources to complete projects.</p> <p>#11. Take responsibility for ones own actions, decisions, and consequences.</p>						
Course Evaluation:	Passing Grade: 50%, D						
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>Demonstration and Quizzes</td><td>75%</td></tr></table>	Evaluation Type	Evaluation Weight	Attendance	25%	Demonstration and Quizzes	75%
Evaluation Type	Evaluation Weight						
Attendance	25%						
Demonstration and Quizzes	75%						
Course Outcomes and Learning Objectives:	<p>Course Outcome 1.</p> <p>Select, inspect, adjust, maintain, set-up and store manual and powered tools and equipment common to arboricultural operations.</p> <p>Learning Objectives 1.</p>						



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- 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 clearing saws according to manufacturer's specifications as outlined in the owner's / operator's manual.



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Learning Objectives 4.

- Explain how to inspect, clean and maintain the various components of a clearing saw.
- Describe how to properly fill a clearing saw with the proper gas mix.
- 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.