



COURSE OUTLINE

ARB602

1

Prepared: John Clement Approved: Sherri Smith

Course Code: Title	ARB602: UTILITY ARBORIST PRACTICES 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 demonstrate a knowledge of how to plan work safely, utilizing safe work practices, pruning and removing of trees in proximity of electrical conductors, ascending, descending, and performing an aerial rescue, inspect, adjust and maintain personal protective equipment, and fall protection equipment utilized in the Utility Arboricultural trade and managing fire, waste and dangerous goods.						
Total Credits:	12						
Hours/Week:	36						
Total Hours:	143						
Essential Employability Skills (EES):	<p>#1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>#2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>#3. Execute mathematical operations accurately.</p> <p>#4. Apply a systematic approach to solve problems.</p> <p>#5. Use a variety of thinking skills to anticipate and solve problems.</p> <p>#8. Show respect for the diverse opinions, values, belief systems, and contributions of others.</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>50%</td></tr><tr><td>Participation and Demonstrations</td><td>50%</td></tr></table>	Evaluation Type	Evaluation Weight	Attendance	50%	Participation and Demonstrations	50%
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Attendance	50%						
Participation and Demonstrations	50%						



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Course Outcomes and Learning Objectives:

Course Outcome 1.

Safely operate a chainsaw.

Learning Objectives 1.

- Inspect, adjust, and wear personal protective equipment.
- Explain the safety features of a chainsaw.
- Safe starting and stopping procedures.
- Safe carrying procedure.
- Demonstrate how to safely fell, limb and buck trees with and without rigging.

Course Outcome 2.

Safely operate a brush saw.

Learning Objectives 2.

- Inspect, adjust, and wear personal protective equipment.
- Explain the safety features of a brush saw.
- Safe starting and stopping procedures.
- Safe carrying procedure.
- Demonstrate how to safely fell, limb and buck trees.

Course Outcome 3.

Demonstrate methods of handling and disposing of debris generated on the job site.

Learning Objectives 3.

- Handling / disposal of debris.
- Site cleanup.
- Demonstrate knowledge of fire suppression techniques.



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Course Outcome 4.

Demonstrate effective communications skills with customers and workers.

Learning Objectives 4.

- Tailboard Safety Discussion.
- Write effective memos.
- Read owner's manuals, work orders, operator manuals.
- Listen effectively.

Course Outcome 5.

Demonstrate selecting, inspecting, adjusting, and maintaining fall protection system components.

Learning Objectives 5.

- Select climbing ropes.
- Inspect and adjust climbing harnesses.
- Demonstrate knowledge of slings and climbing knots.
- Maintenance of all fall protection equipment.

Course Outcome 6.

Demonstrate various methods of safely ascending and descending trees when accessing required work positions.

Learning Objectives 6.

- Demonstrate various ascending techniques.
- Describe pre-climbing tree inspection.
- Demonstrate various descending techniques.



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- Demonstrate how to set up interim and final anchor points.

Course Outcome 7.

Demonstrate aerial tree rescues using appropriate methods.

Learning Objectives 7.

- Assess the emergency site and medical condition.
- Determine appropriate aerial rescue technique.
- Perform aerial rescue.

Date:

Thursday, August 31, 2017

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