



# COURSE OUTLINE

## ARB704

1

Prepared: Steve McClinchey    Approved: Sherri Smith

<b>Course Code: Title</b>	ARB704: UTILITY ARBORIST PRACT II-AERIAL DEVICE								
<b>Program Number: Name</b>	6561: UTILITY ARBORIST II								
<b>Department:</b>	UTILITY ARBORIST - APPR.								
<b>Semester/Term:</b>	18W								
<b>Course Description:</b>	Demonstrate a thorough working knowledge of aerial devices used in Utility Arboriculture practices.								
<b>Total Credits:</b>	3								
<b>Hours/Week:</b>	21								
<b>Total Hours:</b>	21								
<b>Essential Employability Skills (EES):</b>	<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>#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>								
<b>Course Evaluation:</b>	Passing Grade: 50%, D								
<b>Evaluation Process and Grading System:</b>	<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>50%</td></tr><tr><td>Scenario Based Test</td><td>25%</td></tr></table>	Evaluation Type	Evaluation Weight	Attendance	25%	Quizzes / Assignments	50%	Scenario Based Test	25%
Evaluation Type	Evaluation Weight								
Attendance	25%								
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Scenario Based Test	25%								
<b>Course Outcomes and Learning Objectives:</b>	<b>Course Outcome 1.</b>								



# COURSE OUTLINE

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2

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Demonstrate the preparation of an aerial device.

### **Learning Objectives 1.**

- Preparation as per manufacturer's instructions
- Pre-operational checks
- Aerial device set up
- Select and use personal protective equipment
- Fall protection systems

### **Course Outcome 2.**

Demonstrate aerial device and rescue procedures.

### **Learning Objectives 2.**

- Assess the emergency site and medical condition
- Demonstrate escape from a disabled aerial device
- Demonstrate rescue of a disabled Perform aerial rescue

### **Course Outcome 3.**

Demonstrate aerial device preventative maintenance.

### **Learning Objectives 3.**

- Perform maintenance as per manufactures specifications
- Demonstrate required lubrications
- Demonstrate necessary cleaning
- Describe legislative requirements for aerial device

### **Course Outcome 4.**

Demonstrate the use of an aerial device in utility arboricultural safely.



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### Learning Objectives 4.

- Demonstrate loading tools, equipment and materials into bucket
- Demonstrate aerial device operation
- Describe and demonstrate proper aerial device movement with operator
- Demonstrate aerial device transport

### Course Outcome 5.

Demonstrate pruning and removing trees with aerial device in proximity to energized electrical apparatus.

### Learning Objectives 5.

- Inspect, adjust and wear fall protection equipment according to manufacturer's recommendations
- Demonstrate proper loading of tools and equipment in aerial device
- Demonstrate proper operation to access work location
- Demonstrate hand tools aloft according to predetermined method while working from bucket
- Demonstrate proper use of rigging equipment to control removed materials
- Demonstrate use of gas and hydraulic power tools aloft from bucket
- Demonstrate sectional removal from aerial device using predetermined method
- Control movement of cut limbs and trunk sections from aerial device
- Demonstrate proper loading of tools and equipment in aerial device
- Demonstrate proper operation to access work location
- Demonstrate proper securing of aerial device for travel according to manufacturer's instructions

**Date:**

Thursday, August 31, 2017

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