



COURSE OUTLINE

ARB604

1

Prepared: Matt Baker Approved: Sherri Smith

| Course Code: Title | ARB604: UTILITY ARBORIST EQUIPMENT 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 thorough working knowledge of brush chippers. | | | | | | |
| Total Credits: | 1 | | | | | | |
| Hours/Week: | 8 | | | | | | |
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| 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>#4. Apply a systematic approach to solve problems.</p> <p>#5. Use a variety of thinking skills to anticipate and solve problems.</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>Skills Demonstration</td><td>50%</td></tr></table> | Evaluation Type | Evaluation Weight | Attendance | 50% | Skills Demonstration | 50% |
| Evaluation Type | Evaluation Weight | | | | | | |
| Attendance | 50% | | | | | | |
| Skills Demonstration | 50% | | | | | | |
| Course Outcomes and Learning Objectives: | <p>Course Outcome 1.</p> <p>Describe types of chippers.</p> <p>Learning Objectives 1.</p> | | | | | | |



COURSE OUTLINE

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2

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Drum chipper and disc chipper.

Course Outcome 2.

Describe/demonstrate how to prepare chippers for transportation and operation.

Learning Objectives 2.

Chipper circle check, visual defects, legislated requirements and towing requirements, and hitching chipper to tow vehicle.

Course Outcome 3.

Describe/demonstrate how to set up chippers for use on site.

Learning Objectives 3.

Manufacturer's instructions, traffic concerns, set up procedures, site selection and pre-operational checks.

Course Outcome 4.

Describe/demonstrate how to operate a chipper.

Learning Objectives 4.

Safe operating procedures, materials preparation, feeding procedures, chute and in-feed blockages, normal and emergency shutdown procedures.

Course Outcome 5.



COURSE OUTLINE

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3

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Describe basic chipper maintenance.

Learning Objectives 5.

Inspection, changing cutter knives, cycle blade bolts and rotating the anvil.

Date:

Thursday, August 31, 2017

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