



COURSE OUTLINE

ARB709

1

Prepared: Matt Baker Approved: Sherri Smith

Course Code: Title	ARB709: UTIL ARBOR TRANSMISSION LINE CLEARING II						
Program Number: Name	6561: UTILITY ARBORIST II						
Department:	UTILITY ARBORIST - APPR.						
Semester/Term:	18W						
Course Description:	Describe and demonstrate how to manage vegetation along transmission voltage corridors and right of ways.						
Total Credits:	2						
Hours/Week:	4						
Total Hours:	4						
Essential Employability Skills (EES):	#4. Apply a systematic approach to solve problems. #8. Show respect for the diverse opinions, values, belief systems, and contributions of others. #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>50%</td></tr><tr><td>Participation</td><td>50%</td></tr></table>	Evaluation Type	Evaluation Weight	Attendance	50%	Participation	50%
Evaluation Type	Evaluation Weight						
Attendance	50%						
Participation	50%						
Course Outcomes and Learning Objectives:	Course Outcome 1. Identify transmission ROW properties from drawings, maps and system diagrams. Learning Objectives 1.						



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Identifying system information using maps and diagrams.

Course Outcome 2.

Demonstrate capabilities for communicating with other work groups, controlling authority and emergency contacts.

Learning Objectives 2.

Different methods of communication, notification requirements, notifying controlling authority, emergency contacts.

Course Outcome 3.

Demonstrate the ability to perform a condition patrol, identify and maintain ROW access points, requirement of external permits and complying with environmental legislation.

Learning Objectives 3.

Condition patrols, hazards to line integrity, documentation, permitting and legislation requirements.

Course Outcome 4.

Plan work, including tool selection, ERP and daily job planning.

Learning Objectives 4.

Work planning, tools and equipment requirement, ERP, tailboards.



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Course Outcome 5.

Assess vegetation for compatibility within ROW.

Learning Objectives 5.

Identifying compatible vegetation, height of trees and brush, height of conductors.

Course Outcome 6.

Prune and remove incompatible vegetation in proximity to electrical apparatus.

Learning Objectives 6.

Live line techniques, standing and falling clearances, maintaining screens and buffers.

Course Outcome 7.

Selecting appropriate vegetation control methods.

Learning Objectives 7.

Parameters for herbicide application, cutting, mechanical mowing.

Course Outcome 8.

Demonstrate herbicide application techniques using IPM principles.



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Learning Objectives 8.

Various herbicide application techniques.

Date:

Thursday, August 31, 2017

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