



## COURSE OUTLINE: ARB600 - HEALTH & SAFETY I

Prepared: Matt Baker

Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

<b>Course Code: Title</b>	ARB600: UTILITY ARBORIST WORKPLACE SAFETY I					
<b>Program Number: Name</b>	6560: UTILITY ARBORIST I					
<b>Department:</b>	UTILITY ARBORIST - APPR.					
<b>Semesters/Terms:</b>	20W					
<b>Course Description:</b>	This course will provide the student with the skills, tools and knowledge necessary to demonstrate a working knowledge of pertinent safety and related legislation as they apply to utility arboriculture safe workplace practices, and deal with potentially dangerous on- site conditions, emergencies, hazards and materials.					
<b>Total Credits:</b>	3					
<b>Hours/Week:</b>	25					
<b>Total Hours:</b>	25					
<b>Prerequisites:</b>	There are no pre-requisites for this course.					
<b>Corequisites:</b>	There are no co-requisites for this course.					
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>EES 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>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>					
<b>Course Evaluation:</b>	Passing Grade: 50%, D					
<b>Books and Required Resources:</b>	<p>Consolidated OHSa includes construction/industrial regulations by (recommended)</p> <p>Electrical Utility Safety Rule Book by (recommended)</p>					
<b>Course Outcomes and Learning Objectives:</b>	<table border="1"> <thead> <tr> <th>Course Outcome 1</th> <th>Learning Objectives for Course Outcome 1</th> </tr> </thead> <tbody> <tr> <td>Describe the requirements of federal, provincial, and municipal legislation and regulations governing all</td> <td>OHSa, Criminal Liability of Organizations, Construction Regulations, Industrial Regulations, Electrical Utility Safety Rules, MTO Book 7, WHMIS, Workplace Safety and Insurance Act, Dangerous Goods</td> </tr> </tbody> </table>	Course Outcome 1	Learning Objectives for Course Outcome 1	Describe the requirements of federal, provincial, and municipal legislation and regulations governing all	OHSa, Criminal Liability of Organizations, Construction Regulations, Industrial Regulations, Electrical Utility Safety Rules, MTO Book 7, WHMIS, Workplace Safety and Insurance Act, Dangerous Goods	
Course Outcome 1	Learning Objectives for Course Outcome 1					
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aspects of the arboricultural industry.	Transportation Act, Municipal Bylaws, Forest Fire Prevention Act, Highway Traffic Act, Ontario Regional Common Ground Alliance, Off Road Vehicle Act and Pesticides Act.
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
Identify the hazards of working in an energized environment.	Electrical theory, electricity and the body, shock damage, circuit identification, electrical equipment identification, barriers to electrical energy overhead and underground.
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
Identify all other potential hazards of the work site including hazards in trees, overhead, on or under the ground, and hazards to the public.	Environmental hazards, tree hazards, ground hazards, underground hardware, poisonous plants.
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
Identify potential fire hazards in the workplace and describe preventative measures and the required procedures to follow in the event of a fire.	Sources of ignition, types of fire hazards, prevention, fire suppression, fire fighting training.
<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>
Identify and describe how to handle, store and dispose of hazardous materials, commonly found in the workplace.	Materials, handling and disposal, disposal methods, spill response, labelling, dispensing, transport.
<b>Course Outcome 6</b>	<b>Learning Objectives for Course Outcome 6</b>
Identify and describe the use of pedestrian and vehicular traffic control devices at the job site.	Hazards to control, site securing methodology.

**Evaluation Process and Grading System:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Attendance	25%
Quizzes / Assignments	50%
Scenario Based Test	25%

**Date:**

November 15, 2019

**Addendum:**

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

