

MODULE AGR1070: BASIC LANDSCAPE/TURF CARE

Level: Introductory

Theme: Technology and Applications

Prerequisite: None

Module Description: Students demonstrate knowledge of the techniques used to perform basic landscape and turf care services, focusing attention on plant identification, equipment and supplies and basic maintenance tasks; and they identify related career opportunities.

Module Parameters: Access to a residential, recreational and/or roadside landscape.

Facilities and equipment should permit students to perform practical tasks in basic landscape and turf care; e.g., watering, cultivation/mulching, corrective pruning, mowing/trimming/edging of turfgrass, weed control, installation/removal of plant material.

Off-campus learning can support the development of practical skills in basic landscape and turf care; consultation with a work site supervisor ensures that relevant safety considerations are addressed and that student learning meets or exceeds the learner expectations in this module.

See the *Off-campus Education Guide for Administrators, Counsellors and Teachers* (Alberta Education, 1995) for further information regarding off-campus learning.

Supporting Module: CTR1210 Personal Safety (Management) [Career Transitions Strand].

Because of the practical nature of this module, students need a general knowledge of accepted practices and potential hazards when performing tasks related to basic landscape/turf care. See Planning for Instruction in Section C for further information on student safety.

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Curriculum and Assessment Standards

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> • identify plants suitable for use in Alberta landscapes 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • given access to on-site (or photographed) tree, shrub, ground cover, flower and turfgrass species/varieties used in Alberta landscapes, identifying selected specimens according to: <ul style="list-style-type: none"> – common and botanical names – general characteristics/growth habits – functional use in Alberta landscapes. <p><i>Assessment Tool</i> <i>Identification Guide: Landscape Plants, AGRIDE–LDS</i> <i>Information Sheet: Landscape Plants, AGRINF–LDS</i></p> <p><i>Standard</i> <i>Identify 10 landscape plants, including tree, shrub, ground cover, flower and turfgrass specimens</i></p> <ul style="list-style-type: none"> • given access to on-site (or photographed) weed species found in Alberta landscapes and turfgrasses, identifying selected specimens according to: <ul style="list-style-type: none"> – common name – growth habit – management technique. <p><i>Assessment Tool</i> <i>Identification Guide: Landscape/Turfgrass Weeds, AGRIDE–WED</i> <i>Information Sheet: Landscape/Turfgrass Weeds, AGRINF–WED</i></p> <p><i>Standard</i> <i>Identify 5 common weeds found in Alberta landscapes and/or turfgrasses</i></p>	<p>20</p>

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Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> • identify career opportunities relevant to landscape and turf maintenance • demonstrate basic competencies. 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • maintaining an anecdotal record of all landscape/turf-care services performed. <p><i>Assessment Tool</i> <i>Log/Record of Landscape/Turfgrass Services, AGRLOG-LDS</i></p> <p><i>Standard</i> <i>Completing all sections of the log/record for each service performed</i></p> <ul style="list-style-type: none"> • given current information on career opportunities in landscape and turfgrass maintenance, completing a research project on one or more related careers. <p><i>Assessment Tool</i> <i>Career Search: Introductory Level, AGRCAR-1</i></p> <p><i>Standard</i> <i>Research must be conducted to a standard of 1 on the rating scale</i></p> <ul style="list-style-type: none"> • observations of individual effort and interpersonal interaction during the learning process. <p><i>Assessment Tool</i> <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	<p>10</p> <p>Integrated throughout</p>

Concept	Specific Learner Expectations	Notes
Plant Identification	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe the general characteristics and functional uses of basic plant groups used in landscaping; e.g.: <ul style="list-style-type: none"> – trees – shrubs – ground covers and vines – flowers – turfgrasses 	<p>Create a pictorial display of basic types of landscape plants.</p> <p>Identify and distinguish among annuals, biennials and perennials.</p>

MODULE AGR1070: BASIC LANDSCAPE/TURF CARE (continued)

Concept	Specific Learner Expectations	Notes
Plant Identification (continued)	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • explain criteria used to identify individual plant species; e.g.: <ul style="list-style-type: none"> – plant height and shape – leaf structure and colour – flower or fruit characteristics • identify common tree, shrub, ground cover, flower and turfgrass species used for landscaping in Alberta • distinguish between native and exotic trees, shrubs and ground covers. 	<p>Identify 10 or more different landscape plants.</p>
Equipment and Supplies	<ul style="list-style-type: none"> • identify and describe hand and/or power equipment commonly used in providing landscape/turf-care services; e.g.: <ul style="list-style-type: none"> – planting and transplanting tools – cultivating and aerating equipment – thatch removing and raking equipment – mowing equipment – irrigation equipment – pruning and trimming equipment – chemical and fertilizer applicators • calibrate and adjust hand and/or power equipment as required to perform basic landscape/turf-care services • identify and describe organic and inorganic materials commonly used in providing basic landscape/turf-care services; e.g.: <ul style="list-style-type: none"> – growing media – fertilizers – pesticides • demonstrate safe procedures for using equipment and materials in providing basic landscape/turf care services; e.g.: <ul style="list-style-type: none"> – safe practices and potential hazards – protective clothing – safety labels and instructions – government legislation and regulation – emergency first aid. 	<p>Practical “on-site” demonstrations are essential.</p> <p>Follow a set of instructions as illustrated through a demonstration.</p> <p>Possible hand tools include:</p> <ul style="list-style-type: none"> • hand trimmer • half moon edger • lawn rake • weed puller. <p>Possible power equipment includes:</p> <ul style="list-style-type: none"> • push mower • power edger • lawn vacuum • cord trimmer • leaf blower. <p>CAUTION: Successful completion of a safety test is essential prior to the use of equipment and materials.</p>

MODULE AGR1070: BASIC LANDSCAPE/TURF CARE (continued)

Concept	Specific Learner Expectations	Notes
<p>Basic Landscape/ Turf Care</p>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe the cultural requirements of common trees, shrubs, ground cover, flowers and turfgrasses; e.g.: <ul style="list-style-type: none"> – soil – moisture – light – temperature – pruning and/or trimming • identify common weeds and insect pests at different stages of growth • compare biological, cultural and chemical control measures for weeds and plant pests • explain safe practices for mixing and applying fertilizers and chemicals • perform basic landscape/turf-care services; e.g.: <ul style="list-style-type: none"> – irrigate and fertilize plants and turf – cultivate and mulch plants – prune plants – mow and trim turf – remove dead and diseased plant materials – control weeds, disease and pests. 	<p>Demonstrate appropriate procedures for maintaining planting beds, annuals and perennials.</p> <p>Collect/mount a display of common weeds.</p> <p>Potential linkages exist with various pesticide applicator/dispenser certificate courses (see Section H: Linkages/Transitions).</p> <p>Discuss beneficial and harmful effects of insects.</p> <p>List pros and cons associated with the use of common pesticides.</p> <p>Develop a weed-control program.</p> <p>Collect and examine some diseased plants.</p>
<p>Career Opportunities</p>	<ul style="list-style-type: none"> • research potential careers and the range of occupational opportunities related to providing landscape and turf-care services; e.g.: <ul style="list-style-type: none"> – establishment and maintenance <ul style="list-style-type: none"> • home landscape • golf courses • recreational fields and parks • institutional/industrial grounds • highway and roadside turfgrass – design and construction – equipment maintenance and repair – agriscience/resource management • describe current employment opportunities based on employment statistics • describe information regarding trends in landscape and turfgrass management, and future career opportunities. 	<p>Plan for individual/group research and presentations.</p> <p>Research information regarding:</p> <ul style="list-style-type: none"> • job description • employment markets • education/training • wage expectations. <p>Arrange/facilitate:</p> <ul style="list-style-type: none"> • information interviews • work study/experience • job shadowing. <p>Contact the “Career Hotline” (telephone: 1-800-661-3753).</p> <p>See the National Occupational Profiles in Section H: Linkages/Transitions.</p>