Correlation of

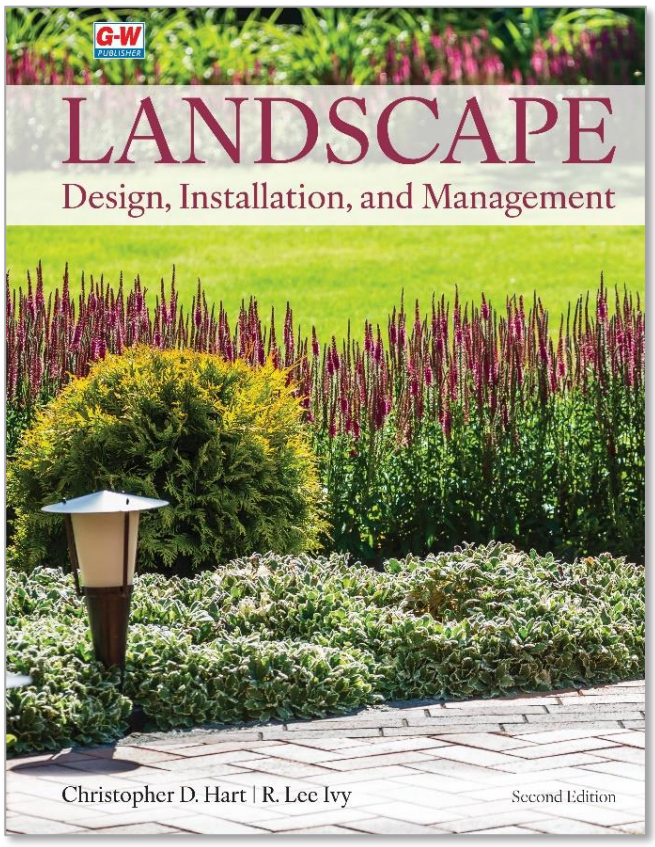
Landscape Design, Installation, and Management

by

Christopher Hart, R. Lee Ivy
(Goodheart-Willcox Publisher ©2025)

to

Texas Landscape Design and Management



Standards	Textbook Pages
(1) The student demonstrates professional standards/employability skills as required by business and industry. The Student is expected to:	
(1)(A) identify career development and entrepreneurship opportunities in the field of landscape design and management.	Ongoing Development p41 Career Connection Features pp4, 46, 70, 100, 132, 151, 178, 198, 218, 246, 287, 11, 340, 400, 425, 442, 454, 481, 504, 526, 560, and 591 SA #2-3, p25 SA #2, #5, p49 SA #6, p209 CT #3, p457 SA #1-3, #6, #7, p457

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Correlation of *Landscape Design, Installation, and Management* to Texas Landscape Design and Management—page 2

Standards	Textbook Pages
(1)(B) apply competencies related to resources, information, interpersonal skills, problem solving, critical thinking, and systems of operation in landscape design and management.	Workplace Readiness Skills: Timeliness p29 Succeeding in the Workplace pp36-39 Work Habits p37 Time Management p37 Attitude on the Job p38 Professional Behavior p38 Decision Making and Problem Solving p38 Ethical Workplace Behavior p39 Communicating in the Workplace pp39-41 Using Social Media Responsibly p40 Interpersonal Skills pp41-42 Leadership pp42-44 Conflict Management pp44-45 Workplace Readiness Skills: Public Speaking p46 CT #2, p137 CT #1, #3, p507 SA #1, p507 **Note:** Critical Thinking questions and activities are included at the end of each chapter.
(1)(C) examine licensing, certification, and credentialing requirements to maintain compliance with industry requirements.	Professional Certifications p21 SA #2, #5, p25 SA #1-2, p76 SA #4, p77
(1)(D) demonstrate knowledge of personal and occupational health and safety practices in the industry.	Maintaining a Safe Workplace pp53-55 Personal Protective Equipment pp55-58 Eye Protection p56 Hearing Protection p56 Respiratory Protection pp56-57 Protective Clothing pp57-58 CT #3, p49 CT #1-3, p76 SA #1-9, p76
(1)(E) identify employers' expectations and appropriate work habits; and	Workplace Readiness Skills Timeliness p29 Public Speaking p46 Enhancing Your Observation Abilities, p325 Enhancing Your Ability to Create Detailed Records p469 Succeeding in the Workplace pp36-39 (continued)

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(1)(E) identify employers' expectations and appropriate work habits; and	(continued) Work Habits p37 Time Management p37 Attitude on the Job p38 Professional Behavior p38 Decision Making and Problem Solving p38 Ethical Workplace Behavior p39 Communicating in the Workplace pp39-41 Using Social Media Responsibly p40 Interpersonal Skills pp41-42 Leadership pp42-44 Conflict Management pp44-45 SA #6, p49 **Note:** Critical Thinking questions and activities at the end of each chapter.
(1)(F) demonstrate characteristics of good citizenship such as advocacy, stewardship, and community leadership.	Community Presence p453
(2) The student develops a supervised agriculture experience program. **Note: Many of the Suggested Activities can be used as foundations for different SAEs.**	
(2)(A) plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity.	Student Organizations: Developing Leadership Skills p43 Student Organizations: Developing Business Skills p437 SA #12-16, p25
(2)(B) apply proper record-keeping skills as they relate to the supervised agriculture experience.	Recordkeeping p81 SA #12, 13, p25 SA #7, p457
(2)(C) participate in youth leadership opportunities to create a well-rounded experience program.	Student Organizations: Developing Leadership Skills p43 Student Organizations: Developing Business Skills p437 SA #9-11, p25
(2)(D) produce and participate in a local program of activities using a strategic planning process.	Student Organizations: Developing Leadership Skills p43 Student Organizations: Developing Business Skills p437 SA #18, p25
(3) The student identifies environmental, aesthetic, and financial benefits of landscaped sites.	
(3)(A) assess soil characteristics and environmental conditions.	CH 5 Site Evaluation and Plant Selection pp117-137 Soil Types p203 Water Movement p204 (continued)

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(3)(A) assess soil characteristics and environmental conditions.	(continued) SA #1, p209 SA #1-2, p563 CT #3, p137 SA #1, p533
(3)(B) assess site for local conditions such as property lines, easement restrictions, and location of public utilities.	CH 5 Site Evaluation and Plant Selection pp117-137 Evaluating the Site p118 Visiting the Site pp118-120 Performing a Soil Analysis pp121-123 Identifying Landscape Use pp123-125 Rules and Regulations pp124-125 SA #1, p485 SA #2, p137 SA #3, p485
(3)(C) complete a site analysis checklist.	CH 5 Site Evaluation and Plant Selection pp117-137 SA #1, p485 SA #3, p485
(3)(D) produce a site sketch using graphic design equipment or software.	Computer-Aided Design p407 SA #2, p485
(3)(E) identify plants used in designing landscapes.	Choosing Plant Materials pp126-130 Nursery/Landscape Plant Identification pp255-269 (illustrated) CT #2, p532 CT #4, p532
(3)(F) identify structures and hardscape materials used in designing landscapes.	Landscape Lighting and Water Features p317 CH 15 Hardscapes pp377-403 Hardscape Materials pp384-389 Types of Hardscapes pp378-381 A #7, p429
(3)(G) create landscape designs demonstrating the application of design elements and principles; and	Principles and Elements of Design p139 Creating the Design p405 SA #2, p403 SA #1, p429 SA #9, p429 SA #4, p155

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(3)(H) analyze different landscape design styles and identify the different aesthetic and environmental factors of each style.	Principles and Elements of Design p139 Types of Drawings pp420-426 SA #2, p403 SA #1, #2, #5, p155
(4) The student performs landscape business procedures.	
(4)(A) demonstrate skills for interviewing potential clients.	Chapter 17 Starting a Business pp431-457 Client Relationships p487 Client Contact pp491-494 Customer Service p504 SA #2, p429 SA #5, p507
(4)(B) develop landscape ideas from a checklist.	Gathering Information pp460-462 Hands-On Design: Meeting the Client's Needs p499 Consider This #1-3, p499 SA #1, p485 SA #7, p137
(4)(C) prepare cost estimates and schedules for landscaping services, including materials, labor, and business costs; and	CH 18 Pricing Landscape Projects pp459-485 Operational Costs pp469-475 Project Management pp502-504 Calculating Square Footage and Perimeter p465 STEM Connection: Calculating Task Times p529 Calculating the Volume of Landscape Materials p513 Hands-On Landscaping: Calculating Square Footage of Odd Shapes p467 Scheduling Installation or Task Completion Times pp528-529 SA #4, p485 SA #3, p507
(4)(D) analyze service contracts.	Estimates and Bid Components pp460-461 The Language of Business: Bids, Estimates, Proposals, and Quotes p463 Subcontractors p474 Quotes and Business Contracts pp498-502 Business Contracts, Contract Elements pp499-502 SA #2, p507

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(5) The student analyzes the cost and maintenance of tools and equipment used in the landscape industry.	
(5)(A) identify, store, and maintain landscaping hand tools and power equipment.	CH 4 Tools and Equipment pp79-115 Maintenance p81 Nursery and Landscaping Equipment and Supplies Identification (illustrated glossary) pp106-115 SA #1, p105 SA #6, p105
(5)(B) analyze costs associated with purchasing and maintaining landscaping hand tools and power equipment.	Tools and Equipment pp85-100 Gathering Information pp460-462 Project Estimates and Bids p466 Profits and Profit Margins pp466-468 Budgets and Costs pp468-477 Quotes and Bids pp477-486 SA #2, p105 CT #1, p105
(5)(C) assess different landscape irrigation systems for efficiency, application, and environmental impact.	Irrigation Design pp357-362 Installing the System pp363-368 CT #1, #3, p374 SA #1, 2, 5-7, p374
(5)(D) identify common irrigation system components and materials; and	Irrigation System Components p350 Figure 14-15, Pipe Fitting Used in Irrigation p353 SA #7, p375 SA #2, p374
(5)(E) examine local and state regulations affecting irrigation systems.	Rules and Regulations pp124-125 SA #7, p375 SA #4, p457
(6) The student performs landscape installation services.	
(6)(A) prepare landscape sites for installation; and	CH 5 Site Evaluation and Plant Selection pp117-137 CH 20 Landscape Installation pp509-533 The Installation Process pp513-516 Grading pp513-514 Drainage p514 Plant Delivery pp514-516 Analysis and Treatment Assessment pp536-537 Evaluating the Site p118 Visiting the Site pp118-120 (continued)

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(6)(A) prepare landscape sites for installation; and	(continued) Performing a Soil Analysis pp121-123 Identifying Landscape Use pp123-125 CT #1, p532 SA #3, p485
(6)(B) install landscape plants and structures using proper installation techniques.	Choosing Plant Materials pp126-130 CH 10 Ornamental Plants in the Landscape pp233-269 Plant Delivery pp514-516 Staging Area pp514-515 Soil Amendments pp515-516 Order of Installation pp516-517 Protecting Existing Plants p518 Planting Trees and Shrubs pp519-524 Planting Bedding Plants and Vines pp524-527 Watering p527 Cleaning Up p528 Scheduling Installation or Task Completion Times p528 STEM Connection: Calculating Task Times p529 SA #2-10, p532
(7) The student performs landscape maintenance services.	
(7)(A) identify and demonstrate proper pruning techniques for different plant materials.	Pruning, Grafting, and Budding Tools pp92-93 Pruning pp547-554 Areas of Growth pp547-548 Reasons to Prune pp548-550 Time for Pruning pp550-551 Pruning Techniques pp552-554 Pruning Perennials p556 CT #1-4, p563 SA #4, #6, p563
(7)(B) recognize methods for renovating existing landscapes.	Renovating a Lawn pp308-317 Step One: Evaluate the Site p308 Step Two: Take a Soil Test p308 Step Three: Weed Control p308 Step Four: Prepare the Site pp309-310 Step Five: Plant the Turfgrass pp310 Step Six: Maintain New Turfgrass pp310-311 Maintenance and Repair pp368-370 (continued)

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

Standards	Textbook Pages
(7)(B) recognize methods for renovating existing landscapes.	(continued) The Installation Process pp514-519 Management Plans pp537-546 SA #1, p563 SA #7, p563
(7)(C) analyze nutritional needs of plants.	Plant Nutrition pp227-228 SA #5, p231
(7)(D) develop fertilization plans that address plant needs and environmental concerns.	Management Plans pp537-544 Organic Fertilizers pp539-540 Inorganic Fertilizers pp540-541 Quick-Release Fertilizers pp541-542 Slow-Release Fertilizers p542 Controlled-Release Fertilizers p542 Rates of Application pp542-543 Application Methods pp543-544 SA #7, p209 SA #8-9, p137 SA #6, p595
(7)(E) examine IPM in assessing an insect, pathogen, or weed problem.	IPM Control Methods p568 Pesticide Application p586 SA #3, p595 SA #2, p595
(7)(F) use pesticide application techniques and equipment properly.	Pesticide Application p586 SA #4, p595 SA #6, p595
(7)(G) explain pesticide labeling and safety data sheets; and	Safety Data Sheets p65 Pesticide Labels pp583-586 SA #1, p595 SA #7, p77
(7)(H) demonstrate lawn management techniques.	Step Six: Maintain the New Turfgrass p306 Mowing Lawns p307 SA #4, p290 SA #7, p291 CT #4, p314 SA #1-6, p314

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.