



## Horticulture and Landscape Technology Classes at the Westminster Campus Credit and Continuing Education - spring 2010

*Front Range Community College provides a wide variety of continuing education courses for horticulture and landscaping professionals. Individuals have the option of taking these courses for degree bearing credit or continuing education non-credit.*

*Individuals seeking a college degree will register through the FRCC admissions process. For more information regarding the credit admissions process visit [www.frontrange.edu/getstarted](http://www.frontrange.edu/getstarted). Contact Admissions and Records at 303-404-5414 for questions.*

*To register for continuing education non-credit courses please go online to <http://wcicpd.frontrange.edu>. Or, call the Continuing Education registration desk at 303-404-5465.*

*For more information on the course content, requirements, and internship opportunities, please contact Ray Daugherty ([Ray.Daugherty@frontrange.edu](mailto:Ray.Daugherty@frontrange.edu)) at 303-404-5039 or Dan Bacheler ([Dan.Bacheler@frontrange.edu](mailto:Dan.Bacheler@frontrange.edu)) at 303-404-5514.*

### **Introduction to Horticulture**

Introduces the biology of horticultural plants and basic horticultural practices.

#### Non-Credit Option

HRTC2001-001	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25)	10-11:50am	\$400
HRTC2001-002	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25)	4-5:50pm	\$400

#### Credit Option

HLT101-001	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25)	10-11:50am	\$400 (62103)
HLT101-002	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25)	4-5:50pm	\$400 (64694)

### **Principles of Xeriscape**

Covers the principles and practices used in establishing water-conserving landscapes. Special attention is given to the proper siting, establishment and care of plant materials in water conserving landscapes, and the installation of low water use irrigation systems.

#### Non-Credit Option

HRTC2004-001	Wednesdays	1/20-5/5 (skips 3/24)	10am-12:05pm	\$220
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#### Credit Option

HLT120-001	Wednesdays	1/20-5/5 (skips 3/24)	10am-12:05pm	\$220 (64695)
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## Landscape Graphics Studio

Introduces students to the basics of graphic communications used in landscape design and construction. Students learn the proper use of graphic tools and materials to manually produce site analysis, concept plan, preliminary plan, planting plan, and master plan documents in both plan and perspective views.

### Non-Credit Option

HRTC2006-001	Mondays	1/25-5/10 (skips 3/22)	12-3:40pm	\$310
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### Credit Option

HLT130-001	Mondays	1/25-5/10 (skips 3/22)	12-3:40pm	\$310 (64990)
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## Irrigation Auditing and Scheduling

Focuses on monitoring and managing the operation of an irrigation system for maximum water saving efficiency. Students learn theory behind troubleshooting, auditing and scheduling and then perform a system tune-up, irrigation audit, and calculate watering schedules based on current climatic information.

### Non-Credit Option

HRTC2009-001	Mondays	1/25-5/10 (skips 3/22)	3-5:50pm	\$310
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### Credit Option

HLT151-001	Mondays	1/25-5/10 (skips 3/22)	3-5:50pm	\$310 (64703)
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## Plant Disease and Pest Field Study

During this course students are provided the opportunity to conduct field studies of local weed, insect and disease problems. Students evaluate various situations and discuss actual problem diagnosis and site-specific remedies or preventatives for the problems they identify. *Prerequisite: Introduction to Horticulture, or Landscape Plant Healthcare, or Commercial Pesticide License, or permission of instructor.* \* **Special Note:** *Students can attend the individual lectures separately. Please contact Ray Daugherty at 303-404-5039.*

### Non-Credit Option

HRTC2011-001	Wednesdays	1/20-5/5 (skips 3/24)	3-5:50pm	\$220
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### Credit Option

HLT203-001	Wednesdays	1/20-5/5 (skips 3/24)	3-5:50pm	\$220 (64711)
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## Commercial Pesticide License Training

Students will study the requirements for the qualified supervisor license as outlined in the training manuals published by the Colorado Department of Agriculture. Students may elect to take the certified operator test if they do not meet the experience qualifications for the qualified supervisor license. Areas studied will include the general weeds, agricultural insect, plant disease, and industrial right-of-way tests administered by the Colorado Department of Agriculture. Students may elect to take any of the other tests available. *Prerequisite: Introduction to Horticulture, Landscape Plant Healthcare, or permission of instructor.*

### Non-Credit Option

HRTC2012-001	Wednesdays	1/20-5/5 (skips 3/24) plus three 6-hour Saturdays	6:30-8:30pm	\$310
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### Credit Option

HLT208-001	Wednesdays	1/20-5/5 (skips 3/24) plus three 6-hour Saturdays	6:30-8:30pm	\$310 (62106)
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## **Nursery Management**

Introduces students to the basics of nursery production and management. Topics include: management structures and organization; site selection; laws, regulations and standards; shipping and receiving nursery stock; marketing nursery crops; and crop production management. This is a hybrid course conducted in an independent study format. Class meets every other Monday starting January 25. For more information about the course format contact Ray Daugherty at 303-404-5039.

### Non-Credit Option

HRTC2014-060	Mondays	1/25-5/10 (skips 3/22)	9am-12pm	\$220
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### Credit Option

HLT215-060	Mondays	1/25-5/10 (skips 3/22)	9am-12pm	\$220 (65167)
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## **Garden Center Management**

Introduces students to the basics of garden center management. Topics include: personnel management; locating a garden center; purchasing product lines; marketing and advertising; and merchandising and shop layout. This is a hybrid course conducted in an independent study format. Class meets every other Monday starting January 25. For more information about the course format contact Ray Daugherty at 303-404-5039.

### Non-Credit Option

HRTC2015-060	Mondays	1/25-5/10 (skips 3/22)	9am-12pm	\$220
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### Credit Option

HLT216-060	Mondays	1/25-5/10 (skips 3/22)	9am-12pm	\$220 (65168)
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## **Annuals, Bulbs, and Grasses**

Discusses the identification (common and botanical names), landscape usage and culture of annuals, bulbs, and perennial and annual grasses common to Colorado landscapes.

### Non-Credit Option

HRTC2018-001	Fridays	1/22-5/7 (skips 3/26)	9am-12pm	\$220
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### Credit Option

HLT223-001	Fridays	1/22-5/7 (skips 3/26)	9am-12pm	\$220 (64697)
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## **Herbaceous Perennials**

Discusses the identification (common and botanical names), landscape usage and culture of herbaceous perennials common to Colorado landscapes.

### Non-Credit Option

HRTC2019-001	Tuesdays and Thursdays	1/19-5/6 (skips 3/23, 3/25)	4-6:05pm	\$400
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### Credit Option

HLT224-001	Tuesdays and Thursdays	1/19-5/6 (skips 3/23, 3/25)	4-6:05pm	\$400 (64699)
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## Landscape Construction Bidding and Estimating

Students will discuss the process of bidding for landscape construction. Plan reading, quantity takeoffs, bidding and estimating practices and processes are covered. *Prerequisite: MAT 107 or permission of instructor.*

### Non-Credit Option

HRTC2024-001	Wednesdays	1/20-3/31, (skips 3/24) plus three 4-hour days	6:45-9pm	\$220
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### Credit Option

HLT237-001	Wednesdays	1/20-3/31, (skips 3/24) plus three 4-hour days	6:45-9pm	\$220 (64993)
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## Introduction to Soil Science

Students will cover the formation, physical properties, chemical properties and management of soils emphasizing conditions that affect plant growth. The principles of soil fertility and practice of fertilizer use is also discussed.

### Non-Credit Option

HRTC2025-001	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25) plus one 6-hour day	6:30-8:30pm	\$400
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### Credit Option

HLT240-001	Tuesday and Thursdays	1/19-5/6 (skips 3/23, 3/25) plus one 6-hour day	6:30-8:30pm	\$400 (62120)
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## Green Industry Business Operations

This course introduces students to the basics of landscape business management including establishing a business, retail and wholesale marketing and merchandising, and the operations of a landscape business.

### Non-Credit Option

HRTC2029-001	Wednesdays	1/20-5/5 (skips 3/24) plus three 6-hour days	4-6:30pm	\$310
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### Credit Option

HLT245-001	Wednesdays	1/20-5/5 (skips 3/24) plus three 6-hour days	4-6:30pm	\$310 (64994)
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## Golf and Sport Turf Management

Discusses all aspects of sports turf management and culture. Topics include the design, construction, and renovation of golf courses, baseball, football and soccer fields as well as safety standards and practices, and non-turf maintenance practices.

### Non-Credit Option

HRTC2042-001	Mondays	1/25-5/10 (skips 3/22)	6:30-8:30pm	\$220
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### Credit Option

HLT246-001	Mondays	1/25-5/10 (skips 3/22)	6:30-8:30pm	\$220 (64707)
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## **Landscape Irrigation Design**

Focuses on the hydraulic analysis of residential irrigation systems to determine design capacity and working pressure. Irrigation system components are examined and their application explained. Students analyze site conditions, and apply their knowledge of hydraulic analysis to produce sample irrigation designs.

### Non-Credit Option

HRTC2032-001	Mondays	1/25-5/10 (skips 3/22) plus three 6-hour days	6:30-8:45pm	\$310
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### Credit Option

HLT250-001	Mondays	1/25-5/10 (skips 3/22) plus three 6-hour days	6:30-8:45pm	\$310 (63460)
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## **Horticulture Related Continuing Education Courses**

### **AutoCAD Level I**

This course is a survey of AutoCAD software. Learn drawing, editing, hatch and display commands, create and edit text and dimensions, create blocks and attributes, utilize drawing aids, and plot a final project. Drawings will include mechanical parts, basic floor plan and small site plan.

CNST1011-001	Fridays	1/29-3/12	6-9pm	\$165
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### **AutoCAD Level II: 3D Solids**

Learn the difference between world and user coordinates, draw and edit 3D models, and plot models using 3D and conceptual visual styles. Students will model a small shed or select their own final project. *Prerequisite AutoCAD Level I.*

CNST1014-001	Fridays	3/19-5/7 (skips 3/26)	6-9pm	\$165
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### **Spanish Level I**

Covers but is not limited to the noun and the definite article in singular and plural form, indefinite articles, conjugation of regular present tense verbs, simple negative and interrogative words, and an introduction to Hispanic culture in the United States. Themes include, home and work, school, the city, food, and health among others. *Textbook: Spanish Now!* (Textbook is not included in the course registration fee. It must be purchased separately.)

LANG1091-001	Wednesdays	1/13-3/17	6:30-8:30pm	\$165
LANG1091-002	Saturdays	1/16-3/20	9-11am	\$165
LANG1091-003	Wednesdays	3/31-6/2	6:30-8:30pm	\$165
LANG1091-004	Saturdays	4/3-6/5	9-11am	\$165

## Spanish Level II

Expands and reviews material covered in Spanish Level I. Also, covers but is not limited to cardinal numbers, time, days, months, dates, and seasons, present irregular verbs, prepositions, be-verbs and continued discussions of Hispanic culture in the United States. Themes include, vacation and travel, sports and leisure, and holidays among others. *Textbook: Spanish Now!* (Textbook is not included in the course registration fee. It must be purchased separately.)

LANG1092-001	Tuesdays	1/12-3/16	6:30-8:30pm	\$165
LANG1092-002	Tuesdays	3/30-6/1	6:30-8:30pm	\$165

## Spanish Level III

Expands and reviews material covered in Spanish 2. Also, covers but is not limited to adjectives and comparatives, ordinal numbers, commands, possessive adjectives, and more complex discussions of Hispanic culture in the United States. Themes include, people, relationships, personalities, travel, and leisure among others. *Textbook: Spanish Now!* (Textbook is not included in the course registration fee. It must be purchased separately.)

LANG1093-001	Thursdays	1/14-3/18	6:30-8:30pm	\$165
LANG1093-002	Thursdays	4/1-6/3	6:30-8:30pm	\$165