

**Below is a list of classes available along with the time they are held.**

**9:00 a.m.**

- ◇ Shrub Pruning Done Properly
- ◇ Pruning Fruit Trees
- ◇ Structural Pruning
- ◇ Rain Barrels

**10:10 a.m.**

- ◇ Turf and Weed ID
- ◇ Perennial Garden Tour
- ◇ Structural Pruning
- ◇ Vegetable Growing in Raised Beds

**11:20 a.m.**

- ◇ Shrub Pruning Done Properly
- ◇ Plant Healthcare Landscape Problems
- ◇ Drip Irrigation Techniques
- ◇ Vegetable Growing in Raised Beds

**1:30 p.m.**

- ◇ Japanese Beetle and Emerald Ash Borer

**2:40 p.m.**

- ◇ Plant Select® Celebrating 20 Years

**Classes are available on a first come first serve basis.**

**Morning Sessions**

**Shrub Pruning Done Properly**

Presented by Eric Hammond, CSU Adams County Horticulture/Agriculture Extension Agent  
Location: University Center for the Arts Grounds  
**\*\*ISA credit**

How a shrub is pruned often determines whether it contributes to a landscape or is just a maintenance headache. This talk will cover the best management practices for pruning different types of shrubs. Topics will include: the differences between renewal pruning, rejuvenation pruning, shaping and shearing, hedge and screen planting maintenance, how to determine the correct pruning method for a given shrub, spring vs. summer flowering shrubs and correct timing for pruning different shrubs.  
**(Presented at 9:00a.m. and 11:20 a.m.)**

**Pruning Fruit Trees**

Presented by Amy Lentz, CSU Weld County Horticulture/Agriculture Extension Agent  
Location: University Center for the Arts Room 158  
**\*\*ISA credit**

The approach to pruning fruit trees is different than those techniques used in pruning ornamentals. Amy will take you through the different methods, cuts, and other cultural tips to help improve the health of fruit trees and maximize fruit quality.

**Structural Pruning**

Presented by Dave Sexton, City of Fort Collins Forestry  
Location: University Center for the Arts Grounds  
**\*\* ISA credit**

This session will help attendees understand how structural pruning can decrease storm damage, extend the life of trees, and decrease pruning visits. The class will be focused on small trees and cover reduction cuts, aesthetics of structural pruning, and pruning dose. The instructor will demonstrate techniques used in structural pruning. Other topics include effects of pruning and how structural pruning differs from cleaning and thinning.  
**(Presented at 9:00 a.m. and 10:10 a.m.)**

**Using Rain Barrels in Colorado Gardens**

Presented by Dr. Alison O' Connor, CSU Larimer County Horticulture Extension Agent and Deryn Davidson, CSU Boulder County Horticulture Extension Agent  
Location: Trial Gardens

The new Colorado Water Plan and the adoption of allowing the use of rain barrels for home landscapes is exciting. It also means understanding the use and limitations of rain barrels. This hands-on class will cover the history, use and implementation of using rain barrels in the landscape.

**Turf and Weed Identification**

Presented by Dr. Tony Koski, CSU Department of Horticulture and Landscape Architecture  
Location: Trial Gardens  
**\*Dept. of Ag. credit**

Accurate identification of both weeds and turf species in which they are growing is essential for developing an effective integrated weed management program for any turf area. Herbicide labels will indicate for which turf species the herbicide can be safely used, and which weed species are controlled. Turf species and weeds growing in lawns will be identified. Identification resources will be presented including effectiveness, ease of use, and limitations.

**Perennial Garden Tour**

Presented by Dr. Jim Klett and David Staats CSU Department of Horticulture and Landscape Architecture  
Location: Perennial Trial Demonstration Garden  
Learn about the move of over 1000 different taxa of herbaceous perennials and hear about the success rate and most adaptable for Colorado conditions. Also, learn about several outstanding and new perennials that you should try in your own garden.

**Vegetable Growing in Raised Beds**

Presented by Tyler Mason, CSU Horticulture Ph.D. Candidate  
Location: University Center for the Arts Room 158  
Raised bed vegetable gardening is growing in popularity for its ease of use and space saving abilities. Join CSU graduate student and former Cheyenne Botanic Gardens Horticulturist Tyler Mason as he outlines how to select suitable building materials, choose appropriate vegetable varieties, and incorporate the ornamental features of vegetables in the design. The finer points of intercropping, garden layout, nutrition, and moisture management will also be addressed.  
**(Presented at 10:10 a.m. and 11:20 a.m.)**

**Plant Healthcare Landscape Problems**

Presented by Mary Small, Colorado Master Gardener Coordinator, CSU Extension  
Location: Trial Gardens and CSU Campus—**be sure to wear comfortable shoes for this walking session**  
**\*Dept. of Ag. credit**  
Join Mary Small on a walk through the CSU Campus to discuss the latest abiotic stresses, insects and diseases affecting Colorado Landscapes. Mary will provide diagnostic tricks and management options for each infection you will encounter.

**Drip Irrigation Techniques**

Presented by Eric Olson, Water Conservation Coordinator, Fort Collins Utilities  
Location: Trial Gardens  
There have been many advances in irrigation systems for landscapes. Using new technology can help you save water while using water more efficiently. Eric Olson will show you examples of how to incorporate new technology into existing landscapes, ultimately conserving water and reducing water bills.

**Afternoon Sessions**

**Japanese Beetle and Emerald Ash Borer**

Presented by Dr. Whitney Cranshaw, CSU Department of Bioagricultural Sciences and Pest Management  
Location: University Center for the Arts Organ Recital Hall  
**\* Dept. of Ag. credit and \*\* ISA credit**  
Japanese Beetle and Emerald Ash Borer are important emerging insect problems for Colorado's urban landscapes. Management of both of these insects requires that the pest be properly identified, followed by the use of effective and practical preventative or rescue treatments. The latest information on spread, detection, and management of these important insect pests will be presented.

**Plant Select® Celebrating 20 Years**

Presented by Mike Bone, Denver Botanic Gardens; Harriet McMillan, Echter's Greenhouse and Garden Center; Gene Pielin, Gully Greenhouse and Jim Klett, CSU Department of Horticulture and Landscape Architecture  
Location: University Center for the Arts Organ Recital Hall  
Find out about the Plant Select® 20 year anniversary celebration, including some history, research information, the regional and national impact, the 2017 winners, upcoming 2018 plants and promotions and outreach in 2017.

# The 2017 Eleventh Biennial Short Course

presented by  
Colorado State University Extension  
and the  
Green Industries of Colorado

**Thursday, July 6, 2017**  
Colorado State University  
Annual Trial Garden  
1401 Remington Street  
Fort Collins, Colorado

**Colorado  
State  
University**

**Extension**



# 2017 SHORT COURSE SCHEDULE

TIME	TITLE	LOCATION	SPEAKER
<b>8:00 to 9:00 AM</b>	<b>Registration</b>	<b>Gazebo at Annual Trial Gardens 1401 Remington Street</b>	
9:00 AM	** Shrub Pruning Done Properly	University Center for the Arts Grounds	Eric Hammond
9:00 AM	** Pruning Fruit Trees	University Center for the Arts Room 158	Amy Lentz
9:00 AM	** Structural Pruning	University Center for the Arts Grounds	Dave Sexton
9:00 AM	Rain Barrels	Trial Gardens around University Center for the Arts	Alison O' Connor and Deryn Davidson
10:10 AM	* Turf and Weed ID	Trial Gardens around University Center for the Arts	Tony Koski
10:10 AM	Perennial Garden Tour	Perennial Trial Demonstration Garden	Jim Klett and David Staats
10:10 AM	** Structural pruning	University Center for the Arts Grounds	Dave Sexton
10:10AM	Vegetable Growing in Raised Beds	University Center for the Arts Room 158	Tyler Mason
11:20 AM	** Shrub Pruning Done Properly	University Center for the Arts Grounds	Eric Hammond
11:20 AM	* Plant Healthcare Landscape Problems	Trial Gardens around CSU campus	Mary Small
11:20 AM	Drip Irrigation Techniques	Trial Gardens around University Center for the Arts	Eric Olson
11:20 AM	Vegetable Growing in Raised Beds	University Center for the Arts Room 158	Tyler Mason
<b>12:20 to 1:20 PM</b>	<b>Lunch</b>	<b>Tent in Large Lawn Area at Annual Trial Garden</b>	
1:30PM	*,** Japanese Beetle and Emerald Ash Borer	University Center for the Arts Organ Recital Hall	Whitney Cranshaw
<b>2:30 to 2:40 PM</b>	<b>Snack and Water Break</b>		
2:40 PM	Plant Select® Celebrating 20 years	University Center for the Arts Organ Recital Hall	Mike Bone, Harriett McMillan, Gene Pielin, Jim Klett

\* These classes qualify for credit through the Colorado Department of Agriculture.

\*\* These classes qualify for credit through ISA.

**For more information please call 970-491-7019**

**Registration is done through**

**You may register by using the link below:**

<http://hortla.agsci.colostate.edu/program-areas/short-course-2017/>

**Enrollment limited to 120 people**

**\$65 Early Bird Registration due June 16, 2017**

**\$75 Regular Registration June 17-July 5, 2017**

**\$85 Walk-Ins (only if space is available)**

Registration includes lunch.  
Vegetarian options will be available.  
Special dietary request cannot be accommodated.

**No discount for half day.  
Event will be held rain or shine.**

Confirmations will only be sent via email

**No refunds will be issued after June 15, 2017**

**Parking available in lot #625.  
Someone will be present at the entrance to hand out parking stickers.**

**For more parking information visit:  
[parking.colostate.edu](http://parking.colostate.edu)**

**Plan to check-in prior to 8:45 a.m.  
Classes will begin promptly at 9:00 a.m.**

