

Horticulture Department WINTER 2009



Our classes are for individuals desiring information to improve job skills, for completion of Certificate and Associate Degree programs, community education and personal interest. Classes meet for 11 weeks, unless otherwise indicated.

Open registration begins 11/25/08.

Visit the Clackamas Community College Horticulture website at:

<http://depts.clackamas.edu/hort/>

Campus Map and driving directions at:

<http://www.clackamas.edu/documents/campusmap.pdf>




CCC has the only
PLANET accredited
program in Oregon.

Phone or email if you
would like additional
information about our
classes or programs.

Workshops & Short Courses

CRN = Crs. Reg.# on form

- 1/9-2/6 Fruit Tree Short Course – HOR 146-01 CRN 169878** - Karen Tillou, Instructor
1 credit, 1:00 to 3:50 p.m. Fridays, January 9 through February 6 in Clairmont room 133. Tree fruit recommendations for the Willamette Valley will be presented. Orchard bloom time, pruning, training tree fruit insects and diseases, asexual propagation, harvesting, storage and uses of tree fruit will be discussed. Tuition & fees: \$77.00
- Jan 27 Marketing Waterwise Landscaping - HOR 009-02 CRN 169867**– Dave Snell
6:30 – 8:30 pm, Tuesday January 27th in Clairmont room 117. Explore ways to incorporate water efficiency into standard business practices: for business retention, new business and how your company can be more profitable by selling water conservation practices to your residential and commercial clients. This workshop qualifies for Irrigation Association CEU's. Fee: \$20.00
- Jan 30 Organic Land Care for the Professional - HOR 008-02 CRN 173115** – Bruce Nelson
8:30 – 12:50 pm, Friday January 30 in Clairmont room 117. This half day workshop for landscape professionals focuses on organic practices for soil building and healthy turf in ornamental landscapes. Co-sponsored by Oregon Tilth and the Horticulture Department of Clackamas Community College. Fee: \$50.00
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- Feb 4 Pesticide Applicator in Spanish – HOR 009-08 CRN 169872** – Carson Merrill
9:00 a.m. to 3:50 p.m., Wednesday, February 4, in Clairmont 118. A review of the safe use of: pesticides, protective equipment, mixing, loading, spraying, storage, transportation, and application equipment. Re-certification credits are available. Fee: \$35.00
- Feb 6 Pesticide Core Training - HOR 009-01 CRN 169865** – Bob Nelson, Coordinator
8:00 a.m. to 11:50 a.m., Friday, February 6, in Clairmont room 118. This workshop provides training required by the Oregon Department of Agriculture for the re-certification of Private Pesticide License. This workshop is designed for individuals who intend to maintain a current ODA Private Pesticide License. Fee: \$25.00



Horticulture Department
Clackamas Community College
19600 Molalla Ave
Oregon City, OR 97045

Clairmont Hall

Phone

503-657-6958

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Renee Harber x2785

Faculty

Elizabeth Howley x2389

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Feb 7 Fruit Tree Pruning - HOR 009-03 CRN 169868 – Karen Tillou, Coordinator,
9:00 a.m. to 11:50 a.m. Saturday, February 7, at CCC Home Orchard Society Arboretum. Demonstration and practice of pruning methods appropriate for a variety of fruit trees. Bring your pruning tools and appropriate outdoor wear. Co-sponsored by the Home Orchard Society. Pre registration encouraged. Fee: \$10.00

Feb 7-21 Herb Growing and Gardening - HOR 134-01 CRN 169877 - Elizabeth Howley, Instructor
1 credit, 8:30 a.m. to 11:50 a.m., Saturdays, February 7, 14, and 21, in Clairmont 118. Students will have the opportunity to study herb plants including propagation and garden use. Students will carry out herb propagation and learn garden culture of herbs. Tuition & fees: \$ 82.00



Feb 11 Urban Pest Management - HOR 008-01 CRN 169851- Multiple Speakers
8:00 a.m. to 4:50 p.m. Wednesday, February 11, in the Gregory Forum. Workshop covers current ornamental plant pest control information, with eight ODA Pesticide re-certification credits available. For registration and information call 541-737-3541. Fee: \$65 by February 4; \$75 after February 4.

Feb 21 Fruit Tree Grafting - Beginning - HOR 009-04 169869 - Karen Tillou, Coordinator
9:00 a.m. to 10:20 a.m. Saturday, February 21, in Clairmont room 118. Hands-on explanation and practice in whip grafting of fruit trees under the supervision of experienced HOS grafters. You will be provided with a rootstock and scion wood. Please bring your straight edged knife. Co-sponsored by the Home Orchard Society. Fee: \$15.00

Feb 21 Fruit Tree Grafting - Beginning - HOR 009-05 CRN 169870 - Karen Tillou, Coordinator
10:45 a.m. to 12:05 p.m. Saturday, February 21, in Clairmont room 118. Hands-on explanation and practice in whip grafting of fruit trees under the supervision of experienced HOS grafters. You will be provided with a rootstock and scion wood. Please bring your straight edged knife. Co-sponsored by the Home Orchard Society. Fee: \$15.00

Feb 21 Fruit Tree Grafting - Intermediate - HOR 009-06 CRN 169871 - Karen Tillou, Coordinator
12:45 p.m. to 2:05 p.m. Saturday, February 21, in Clairmont 118. Hands on practice with advanced grafting methods: cleft, kerf, bark, inarching etc. You will be provided with a rootstock and scion wood. Please bring your straight edged knife. Co-sponsored by the Home Orchard Society. Fee: \$15.00

NEW Online workshop:

ID: WESTERN OREGON BROADLEAF WEEDS—HOR 009-07 CRN 173119 — Renee Harber, Instructor
Identification of broadleaf weeds commonly found in Western Oregon landscapes. Four ODA pesticide recertification credits will be available, as well as 3 CEH for Landscape Construction Professionals license. This is an online course with open enrollment January 5 through March 9. Course must be completed within one week of registration. Please contact Renee Harber at rharber@clackamas.edu for registration and additional class information. Online orientation is at: dl.clackamas.edu/hor-009-07 Fee \$35.



Need ODA recertification credits or LCB license hours?

Look for the following classes or workshops in this listing for details:

Pesticide Applicator in Spanish	HOR 009-08	CRN 169872
Pesticide Core Training	HOR 009-01	CRN 169865
ID: Western Oregon Broadleaf Weeds	HOR 009-07	CRN 173119
Disease Identification	HOR 237-01	CRN 169890





Credit Classes

January 5—March 21, 2009 or as listed

CRN = Crs. Reg.# on

Plant Propagation Theory - HOR 130-01 CRN 169873 Elizabeth Howley, Instructor

3 credits, 9:00 a.m. to 11:50 a.m., Thursdays, in C133. Covers plant anatomy and reproduction techniques of plants from seed, cuttings, grafting, division, and micro-propagation. The class offers an in-depth overview of propagation systems that may be selected.

Tree & Shrub Pruning/Winter - HOR 131-01 CRN 169874 Bob Nelson, Instructor

3 credits, 1:00 p.m. to 4:50 p.m., Mondays, in C133. Emphasis on dormant pruning of fruiting and ornamental plants. Training in dormant pruning and training of grapes, fruit trees, deciduous, evergreens, ornamental trees and shrubs. Basic woody plant anatomy, growth, and development.

Pesticide Selection and Use - HOR 132-01 CRN 169875 Bob Nelson, Instructor



3 credits, 1:00 p.m. to 3:50 p.m., Wednesdays, in C133. Plant protection methods for weed, insect or disease control. Laws and regulations related to safety, handling and storage of pesticides. Techniques for product selection, including chemical and non-chemical options, applicator safety and environmental protection included. Prepare and test for the Oregon Pesticide Applicator exams.

Horticulture Practicum / Winter - HOR 133-01 CRN 169876 Elizabeth Howley, Bruce Nelson, & Renee Harber Instructors

6 credits, 8:00 a.m. to 11:50 a.m., Mondays and Wednesdays, in C133, plus online hours. Practical horticulture practices which include seasonal activities covering container and field nurseries, greenhouse crops, garden design, landscape installation and landscape management. Basic practices involved in propagation, transplanting, pruning, pest control, equipment operations, water and fertilizer management. Industry field trips included. Projects parallel Horticulture classes for winter term. **HYBRID CLASS.**

Herb Growing and Gardening - HOR 134-01 CRN 169877 Elizabeth Howley, Instructor

1 credit, 8:30 a.m. to 11:50 a.m., Saturdays, February 7, 14 and 21, in C117. Students will have the opportunity to study herb plants including propagation and garden use. Students will carry out herb propagation and learn garden culture of herbs.

Fruit Tree Short Course - HOR 146-01 CRN 169878 Karen Tillou, Instructor

1 credit, 1:00 to 3:50 p.m. Fridays, January 9 through February 6 in C133. Tree fruit recommendations for the Willamette Valley will be presented. Orchard bloom time, pruning, training, tree fruit insects and diseases, asexual propagation, harvesting, storage and uses of tree fruit will be discussed.

Computer Aided Landscape Design - HOR 213-01 CRN 173118

3 credits, 3:00 - 4:50 p.m., Mondays and Wednesdays, in C134. Development of skills with LandCadd software and its use in landscape design. Computer-aided design (CAD) techniques needed to produce finished landscape designs, plant lists, and reports. Prerequisite: Pass CS-090 or placement in CS-120 & pass HOR-229.

Integrated Pest Management - HOR 216-01 CRN 169879 Bruce Nelson, Instructor

2 credit, 6:30 p.m. to 10:20 p.m., Tuesdays February 10 through March 10, in C133. The development of an Integrated Pest Management (IPM) plan for landscape, nursery, greenhouse or agricultural industries. Plan incorporates pest detection, control practices and evaluates effectiveness. Recertification credits may be granted by the Oregon Department of Agriculture toward pesticide license renewal.

Horticultural Computer Applications - HOR 222-01 CRN 169880 Robert Nelson, Instructor

2 credits, 1:00 p.m. to 2:50 p.m. Tuesdays and Thursdays, January 6 – February 5, in C134. Class utilizes database, spreadsheet, word processing and other computer programs for record keeping and management for growers and landscape businesses. Prerequisite: pass CS-091 or placement into CS-120.





Horticultural Computer Applications - HOR 222-02 CRN 173121 Robert Nelson, Instructor

2 credits, 1:00 p.m. to 2:50 p.m. Tuesdays and Thursdays, February 10 – March 12, in C134. Class utilizes database, spreadsheet, word processing and other computer programs for record keeping and management for growers and landscape businesses. Prerequisite: pass CS-091 or placement into CS-120.

Plant Identification / Winter - HOR 227-01 CRN 169881 Renee Harber, Instructor

3 credits, 8:00 a.m. to 11:50 p.m., Tuesdays, in C133. Identification of conifers and broadleaved evergreens, shrubs, and groundcovers, including their cultural requirements in the landscape.

Plant Identification / Winter - HOR 227-02 CRN 173116 Bruce Nelson, Instructor

3 credits, 5:30 p.m. to 6:20 p.m., Thursdays, in C133. Identification of conifers and broadleaved evergreens, shrubs, and groundcovers, including their cultural requirements in the landscape. **HYBRID CLASS.** Meets every Thursday plus online hours. Contact Bruce at brucen@clackamas.edu 503-657-6958 x2786.

Plant Identification / Winter - HOR 227-03 CRN 169882 Renee Harber, Instructor

3 credits, 6:30 p.m. to 7:20 p.m., Mondays, in C133. Identification of conifers and broadleaved evergreens, shrubs, and groundcovers, including their cultural requirements in the landscape. **HYBRID CLASS.** Meets every Monday plus online hours. Contact Renee at rharber@clackamas.edu or 503-657-6958 x2785.

Equipment Operation and Maintenance - HOR 230-01 CRN 169884 Wynn Mayfield, Instructor

3 credits, 1:00 p.m. to 4:50 p.m., Thursdays, in C117. Class will cover selection, operation, and maintenance of power-driven machines, such as mowers, rototillers, chainsaws, sprayers, tractors, and related equipment for nursery and landscape applications.

Irrigation and Drainage Design - HOR 231-01 CRN 169885 Dave Snell, Instructor

3 credits, 6:30 p.m. to 10:20 p.m., Mondays, in C117. Design principles of irrigation and drainage systems for various situations, including underground and aboveground, residential and commercial systems.



Commercial Floral Design - HOR 232-01 CRN 169886

3 credits, 6:30 p.m. to 10:20 p.m., Tuesdays, in C118. Create specific floral pieces including corsages, wedding and funeral arrangements using cut, artificial, and dried flowers.

Plant Propagation / Winter - HOR 233-01 CRN 169887 Jenny Ward, Instructor

3 credits, 6:30 p.m. to 10:20 p.m., Thursdays, in C117. Proper techniques for reproducing plants from cuttings, and grafting, with emphasis on seasonal plant production. Propagation classes may be taken individually or in any order.

Intermediate Landscape Design - HOR 234-01 CRN 169888 John Lee, Instructor

3 credits, 6:00 p.m. to 9:50 p.m., Wednesdays, in C118. Further skill development in drawing, site analysis, and design, including two, three, and four dimensional design concepts. Graphic exercises and model-making skills will be included as well as the study of creative and practical solutions for various site and program requirements of commercial and residential landscape sites. Prerequisite: Pass HOR-229.

Disease Identification - HOR 237-01 CRN 169890 Bruce Nelson, Instructor

2 credits, 6:30 p.m. to 10:20 p.m., Tuesdays, January 6 through February 3, in C133. Class covers identification of ornamental plant diseases that occur in greenhouses, landscapes and nurseries. Up to 15 Oregon Department of Agriculture pesticide license recertification credits are possible.

Landscape Business Operations - HOR 238-01 CRN 169891 Dave Snell, Instructor

3 credits, 6:30 p.m. to 9:20 p.m., Thursdays, in C133. Course includes business practices, management, organizational structures of landscape businesses, and application of practices to develop or manage a landscape business.

Tree Climber Training - HOR 239-01 CRN 169892 Joe Mendez, Instructor

2 credits, 8:00 a.m. to 11:50 a.m., Saturdays January 10 through February 14, in C117. The safe use of ropes and saddle tree climbing procedures will be covered through lecture, discussion and field practice. This class is for beginner and moderately experienced climbers.





Horticulture Cooperative Work Experience - HOR 280-01 CRN 169893 or HOR 282-01 CRN 169895

3 credits, Arrangements to be made with the instructor - interested students are advised to schedule an appointment with the instructor, to receive information packets. On-the-job experience in the various segments of horticulture. Students enroll in co-op after completing nine credits of horticulture courses. May be repeated up to 6 credits.



Horticulture Cooperative Work Experience - HOR 281-01 CRN 169894

6 credits, Interested students are advised to schedule an appointment with the instructor, to receive information packets. On-the-job experience in the various segments of horticulture. Students enroll in co-op after completing nine credits of horticulture courses.

Financial Aid

Information 503 657 6958 x2745

<http://www.clackamas.edu/inside.asp?>

Registration Options

Information 503 657 6958 x2262

CRN = Crs. Reg.# on form

Online with a CCC identification number:

Register in person:

The Enrollment Services Center in Roger Rook Hall
Clackamas Community College

Log-on to [CougarTrax](http://www.clackamas.edu/CougarTrax) at <http://www.clackamas.edu/> and select from the options under the Registration Menu. If you need any assistance, please contact the Registrar's Office at registrar@clackamas.edu.

By mail or fax:

Send or fax the completed registration form (below) to:
Registrar's Office
Clackamas Community College
19600 S. Molalla Avenue

Note: Mailed/faxed registrations are processed in the order that they are received. All mailed/faxed registrations must be postmarked prior to the first day of class



QUICK ENTRY REGISTRATION FORM 2008 -2009

Social Security # **or** Student I.D.# _____ Birthdate * _____ Today's Date _____

Name _____
Last First Middle Previous names

Mailing address _____
Street City State County Zip

Telephone _____
Home Work

High school attended _____
Name Location Graduation Date

SUMMER FALL
 WINTER SPRING

Providing your Social Security number is voluntary. If you provide it, the college will use your Social Security number for keeping records, doing research, aggregate reporting, extending credit and collecting debts. Your Social Security number will not be given to the general public. If you choose not to provide your Social Security number, you will not be denied any rights as a student. Please read the statement in the Schedule of Classes which describes how your number will be used. Providing your Social Security number means that you consent to the use of the number in the manner described.

* If you're under 18, additional permissions may be required before you can register for classes.

Gender Male Female

Ethnicity American Indian/Alaska Native Asian/Pacific Islander
 Black/Non-Hispanic Hispanic White/Non-Hispanic

Residency/Student Type (Required for tuition purposes)
 In State (US citizen or permanent resident of Oregon, CA, ID, WA, or NV 90 days prior to first day of class.)
 Immigrant Refugee Other

Out of State
 US citizen and permanent resident outside of Oregon, CA, ID, WA, NV
 International visitor (B, J, H or other nonstudent Visa)
 International student (requires I-20)

Intended Academic Program
Program Code/Title _____

Previous College Attendance
 Yes No
Name of School _____

Reason for Enrolling

<input type="checkbox"/> Transfer classes	<input type="checkbox"/> Reading/writing/math skills
<input type="checkbox"/> Learn job skills	<input type="checkbox"/> Learn English language
<input type="checkbox"/> Update job skills	<input type="checkbox"/> Personal interest
<input type="checkbox"/> High school completion/GED	<input type="checkbox"/> Other
<input type="checkbox"/> Explore career/academics	

Crs. Reg.#	Section No./Course Title	Credits/CEU	Time	M	T	W	Th	F	S	Room	Start Date	Crs. Fee/Tuition
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Payment by:
 VISA/Mastercard/Discover
 Check Cash
 Other _____

Card # _____ Exp. Date _____
Name on card _____
Signature _____

FAX to: 503-722-5864 or Mail to:
Registrar, Clackamas Community College
19600 Molalla Avenue
Oregon City, OR 97045-7998

A registration confirmation will not be mailed. Please verify your enrollment by going to cougartrex@clackamas.edu

Clackamas Community College does not discriminate on the basis of race, color, religion, gender, sexual orientation, marital status, age, national origin/ancestry, disability, family relationship or any other protected status in accordance with applicable law. The College's commitment to nondiscrimination applies to curriculum activity and all aspects of operation of the College.

