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BY MAIL complete this form and send it to the Registration Office, UC Davis Extension, University of California, 1333 Research Park Drive, Davis, CA 95618-4852.
BY PHONE call toll free (800) 752-0881. From Davis or Woodland call 757-8777. Please have your Visa, MasterCard, American Express or Discover account number handy.

BY FAX at (530) 757-9558. If you are enrolling with a company purchase order, please fax a completed enrollment form along with a copy of the purchase order. For security purposes we can no longer accept credit card payments via fax.
IN PERSON at our Registration Office, 8:30 a.m.-4:30 p.m., 1333 Research Park Drive, Davis.
ONLINE at www.extension.ucdavis.edu/wine

1. **YES!** Please enroll me in the following course:
Recent Advances in Viticulture and Enology—Sustainability in Vineyards and Wineries / March 18 / \$220 / section 093VIT202.

2. **Customer information:**

Mr. Mrs. Ms.

Name _____

Current position/job title _____

Social Security number* _____

Important! Where would you like to receive mail? work home
(Please fill in all blanks below)

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State _____

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3. **Payment information:**

- Enclosed is a check payable to UC Regents.
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- Please charge Visa/MasterCard/American Express/Discover:

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*UC Davis Extension is required by federal law to report your Social Security Number (SSN) and other pertinent information to the Internal Revenue Service pursuant to the reporting requirements imposed by the Taxpower Relief Act of 1997. UC Davis Extension also will use the SSN you provide to verify your identity. SSN disclosure is mandatory. This notification is provided to you as required by the Federal Privacy Act of 1974.

Account number _____ Expires _____ Name of cardholder _____ 093119

Authorized Signature _____

Credit card verification number _____ The CCV is the last three digits of the number printed on the back of your credit card (for American Express it is the last four digits of the number printed on the front).

4. **Important!** Key code: _____
For efficient processing of your enrollment, please fill in this code as it appears on your mailing label, whether or not it is addressed to you. If you enroll by phone, please be prepared to provide this code to your customer service representative.

Address _____

City _____

State _____

Zip _____

Employer name _____

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Evening telephone

Email address _____

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UC Davis Extension
University of California
1333 Research Park Drive
Davis, CA 95618-4852

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UC DAVIS EXTENSION WINEMAKING

CONTINUING AND PROFESSIONAL EDUCATION

Recent Advances in Viticulture and Enology

Sustainability in Vineyards and Wineries

March 18, 2010

UC Davis



Recent Advances in Viticulture and Enology

Noncredit.

Learn how to increase the sustainability of winery and vineyard operations. RAVE 2010 will focus on sustainability defined as a minimal environmental impact or footprint aimed at promoting a healthy and balanced ecosystem. The program will include discussion of practices that sustain viticulture environments (air, water and soil) for future generations and are capable of production of high quality wine grapes, table grapes, raisin grapes and wines. These practices include the overall goals of minimizing undesirable impacts on air and water quality and natural biodiversity, and enhancing ecosystem quality. Adoption of sustainable winemaking practices is as important as astute agricultural stewardship. Strategies for minimizing winery footprint will also be presented.

Presented by the UC Davis Department of Viticulture and Enology and the Trellis Alliance, RAVE annually shares the latest in applied research and fosters communication between industry and researchers.



Enrollment in RAVE 2010 entitles you to a one-year membership in the Trellis Alliance.

UC Davis Extension reserves the right to cancel or reschedule courses and to change instructors. If a course is canceled or rescheduled, you may request an official transfer to another course or a refund. Every reasonable effort will be made to notify enrollees of changes or cancellations.

The University of California does not discriminate in any of its policies, procedures or practices. The university is an affirmative action/equal opportunity employer.

If your plans change: Refunds, less a \$30 processing fee, will be granted if the request is received seven calendar days before the course begins. At that time, you can also discuss transferring your enrollment to another program or sending a substitute. Requests for withdrawal without a refund must be received before the last meeting of the course. Requests for withdrawals or refunds may be made by phone, fax or in writing. Please include the student's name, course title and course section number. For information about other alternatives, call UC Davis Extension at (800) 752-0881.

Tax deductibility of education expenses: Expenses of education — including registration fees, travel, meals and lodging — may be deductible if they maintain or improve professional skills or meet the express requirement of an individual's employer. Contact a certified public accountant for more information, or visit www.irs.gov/taxtopics.

Not produced at state expense. UC Davis Extension is a self-supporting, nonprofit organization funded by course fees, grants and contracts.

Date, time and location

March 18: Thurs., 8:30 a.m.-4:45 p.m.
UC Davis: Freeborn Hall, North Quad.
Registration begins at 8 a.m.

Enrollment fee

\$220. Includes lunch and a one-year membership in the Trellis Alliance.
Enroll in section 093VIT202.

For more information or to enroll

Please call (800) 752-0881 or (530) 757-8777 from Davis and Woodland, email extension@ucdavis.edu or visit our website.

www.extension.ucdavis.edu/wine



Program Agenda*

8:00 a.m. Registration

8:30 Welcome

Andrew Waterhouse, Department of Viticulture and Enology, UC Davis

8:35 Introduction to Sustainability Issues

David Smart, Department of Viticulture and Enology, UC Davis

8:45 Sustainability: What? Why? How?

Thomas Tomich, Department of Environmental Science and Policy, UC Davis

Maintaining Healthy Soils

9:15 Healthy Soils: Understanding the Soil Resource for Winegrape Production

Anthony O'Geen, Department of Land, Air & Water Resources, UC Davis

9:45 Healthy Soils: Stabilizing Soil Microbiota

Kendra Baumgartner, USDA-ARS, Davis, Calif.

10:15 BREAK

10:30 Matching Rootstock to Soil

James Wolpert, Department of Viticulture and Enology, UC Davis

Maintaining Healthy Watersheds

11:00 Healthy Watersheds

Joshua Viers, Department of Environmental Science & Policy, UC Davis

11:30 Irrigation Strategies to Maintain Watershed Health

Larry Williams, Department of Viticulture and Enology, UC Davis

12:00 p.m. LUNCH in Freeborn Hall

Best Practices in Insect Management

1:00 Beneficial Use of Beneficials

Kent M. Daane, Department of Environmental Science, Policy & Management, UC Berkeley

1:30 Strategies for Mealybug Management

Monica Cooper, University of California Cooperative Extension, Napa County

Best Practices in Water Use and Management

2:00 Understanding Water Management from the Vine's Perspective

Andrew McElrone, USDA-ARS, Department of Viticulture and Enology, UC Davis

2:30 Breeding for Drought Tolerance

Andrew Walker, Department of Viticulture and Enology, UC Davis

3:00 BREAK

Integration of Management Strategies

3:15 Managing Vineyard Floors: Integrating Systems

Kerri Steenwerth, Department of Viticulture and Enology, UC Davis

Minimizing Winery Footprints

3:45 Minimizing Energy, Water and Chemical Footprints of Wineries – Metrics and Chemistries

Roger Boulton, Department of Viticulture and Enology, UC Davis

4:15 Understanding Strategies for Efficient Cleaning and Water Reuse and Their Economics

David Block, Department of Viticulture and Enology, UC Davis

4:45 Final thoughts and wrap-up

Linda Bisson, Department of Viticulture and Enology, UC Davis

**Agenda/speakers subject to change.*