

ARE 293 Analysis of California Agriculture and Resources
Fridays, 12 noon – 1:30 PM
2102 SSH

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Course Description

ARE 293 includes a winter quarter seminar series, a winter and/or spring quarter field study, and a summer field study for M.S. and Ph.D. students. The course is also open to auditors and visiting scholars.

Objective. The course introduces participants to general and selected features of California, its significant agricultural industry, and the environments in which the industry operates. The course objective is to increase understanding of the interaction of technical, biological, economic and institutional forces shaping firm and industry decisions.

Format. One seminar session per week during winter quarter. One one-day or overnight trip during winter or spring quarter in the Sacramento Valley. One multi-day summer trip through several major California production regions, most notably the San Joaquin Valley. The purpose of field study is to enhance understanding about economic and resource environments of selected agricultural firms and public resource agencies. Visits are arranged with a wide spectrum of agricultural and resource interests. More broadly, lectures, invited seminar speakers, readings and field study are used as sources for learning about major economic and resources policy problems and issues confronting California's agricultural producers, processors, marketers, consumers, and input suppliers.

Topics. Topics include selected physical, biological, economic, and institutional dimensions of California agriculture; public policies affecting agriculture and resource use in California; long-term trends in agriculture and renewable resources and their likely impacts on players in the agricultural production and marketing chain, including consumers; and analysis of specific planning or operating problems observed in field study.

Readings. No textbook is required to be purchased for this course. Participants may access *California Agriculture: Dimensions and Issues* (2003), edited by Jerry Siebert and published by the Giannini Foundation of Agricultural Economics through the Giannini Foundation website at <http://giannini.ucop.edu/CalAgbook.htm>.

Requirements. Students in both ARE 293 and ARE 298 are expected to participate in all weekly seminar sessions. Any unexcused absences for any of the seminars will result in failing the course. Students in ARE 293 are expected to participate in at least one field study trip. There is no cost to registered ARE or GSM students for participating in study trips. Students employed as RAs or TAs must arrange work commitments to accommodate the trips.

Other seminar participants are welcome to participate in field study trips on a space available basis, provided they pay their expenses. Estimated expenses per day are \$60-\$75.

Seminar Series Schedule

January 8. Overview.

January 15. History of California agriculture.

Alex McCalla, former Dean, College of Agricultural and Environmental Sciences,
founding Dean, Graduate School of Management, UCD.

California Agriculture: Dimensions and Issues

Ch.1 The Evolution of California Agriculture

Whither California Agriculture: Up, Down, or Out? Warren Johnston and Alex McCalla, Giannini
Special Report 04-1, 2004. <http://giannini.ucop.edu/calag.htm>.

January 22. California's small farms.

Shermain Hardesty, Director, UC Small Farms Center

For more information regarding California's small farms, consult the UC Small Farms Center
website: <http://www.sfc.ucdavis.edu>.

January 29. California and agricultural policy.

Daniel Sumner, Director, UC Agricultural Issues Center.

For more information on the research and outreach conducted at AIC, consult
<http://www.aic.ucdavis.edu>.

February 5. California's agricultural labor.

Philip Martin, Chair, UC Comparative Immigration and Integration Program

California Agriculture: Dimensions and Issues

Ch. 8 Hired Workers on California Farms

Philip Martin, "Farm Labor Shortages: How Real? What Response?" Center for Immigration
Studies, 2007. <http://www.cis.org/articles/2007/back907.html>

For more information regarding agricultural labor, consult <http://migration.ucdavis.edu/rmn/>,
edited by Professor Martin. It is part of Migration Dialogue, also edited by Professor Martin.
"Migration Dialogue provides timely, factual and nonpartisan information and analysis of
international migration issues through five major activities: the newsletters Migration News and
Rural Migration News, Changing Face and other Research & Seminars, and the Sloan West Coast
Program on Science and Engineering Workers."

February 12. California's water resources and agricultural water use.

Richard Howitt

California Agriculture: Dimensions and Issues

Ch. 7 Water Infrastructure and Water Allocation in California

"Envisioning Futures for the Sacramento-San Joaquin Delta" Jay Lund, Ellen Hanak, William
Fleenor, Richard Howitt, Jeffrey Mount, and Peter Moyle. February 2007.
<http://www.ppic.org/main/publication.asp?i=671>.

February 19. Physical determinants and economic geography of California agriculture.
Warren Johnston

California Agriculture: Dimensions and Issues

Ch. 2 Cross Sections of a Diverse Agriculture.

Ch. 3 The Measure of California Agriculture

February 26. California's energy resources and agricultural energy use.
Jeffrey Williams

"Are Natural Gas Flows Responsive to Price Spikes?" Rocio Uria and Jeffrey Williams. *ARE Update* 10(3):1-3. 2007.

March 5. Marketing institutions in California agriculture.
Rich Sexton

California Agriculture: Dimensions and Issues

Ch. 4 Marketing California's Agricultural Production

March 12. California's organic agriculture. Karen Klonsky

California Agriculture: Dimensions and Issues

Ch. 10 Organic Agricultural Production in California

Statistical Review of California's Organic Agriculture: 2000-2005. Karen Klonsky and Kurt Richter. Available at http://aic.ucdavis.edu/publications/Statistical_Review_00-05.pdf.