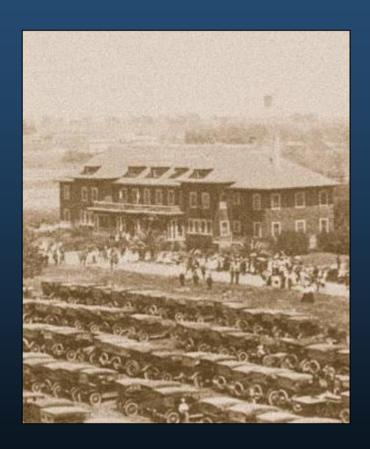


where knowledge meets need...



Our History



1906	Established as University Farm – 776 acres
1938	Name changed to College of Agriculture
1959	UC Davis became an independent campus
1967	Name changed to College of Agricultural and Environmental Sciences
2006	5,146 acres (800 acres central campus; 4,375 acres devoted to agricultural research)

College of Agricultural & Environmental Sciences

Agricultural Sciences

Animal Science

Biological & Agricultural

Engineering

Entomology

Nematology

Plant Pathology

Plant Sciences

Agricultural Plant Biology Crop & Ecosystem Sciences

Horticulture

Viticulture and Enology

Environmental Sciences

Environmental Science & Policy

Environmental Toxicology

Land, Air & Water Resources

Atmospheric Sciences

Hydrology

Soils & Biogeochemistry

Environmental Design

Landscape Architecture

Wildlife, Fish & Conservation Biology

Human Sciences

Agricultural & Resource Fconomics

Food Science & Technology

Human & Community

Development

Community Studies and

Development

Human Development and Family Studies

Nutrition

Textiles & Clothing



Our Focus on Teaching



4,800 Undergraduate Students 1050 Graduate Students 370 Faculty 29 Majors



Our Focus on Research





Institutional Rankings

ISI Essential Science Indicators: Numbers of Peer Reviewed Papers

Agricultural Sciences

- 1) University of California, Davis
- 2) University of Wisconsin
- 3) Cornell University
- 4) University of Illinois
- 5) Iowa State University

Food Science and Nutrition

- 1) University of California, Davis
- 2) University of Wisconsin
- 3) Cornell University
- 4) University of Georgia
- 5) University of Minnesota

Ecology / Environmental Sciences

- 1) University of California, Davis
- 2) University of California, Berkeley
- 3) Colorado State University
- 4) University of Florida
- 5) University of Minnesota

<u>UC Davis</u> also ranks #1 in the U.S. with regard to competitively-awarded federal grants that support agricultural R&D.



CA&ES Research Impacts California's Economy and Quality of Life



- Agricultural Sustainability
- Environmental Science & Planning (land, air and water)
- Support Competitiveness of Major Commodities
- Rural/Urban Interface
- Food and Health
- Genomics
- Human Development
- Wildlife Conservation
- Youth Development and Education (4-H)
- Safe Pesticide Use



Tomato Processing

1963 2.5 million tons harvested

2007 12 million tons harvested (with introduction of tomato harvester and new tomato cultivars)

Total value \$874 million







Strawberry Industry

1960 – 2006 Introduction of new UC strawberry cultivars

tripled yields and extended harvest season

from two months to 12 months

2007 35,800 acres in production in California

Total value \$1.2 billion





Centers and Institutes

Addressing Research and Outreach Needs





- Agricultural Sustainability Institute
- California Center for Urban Horticulture
- California Institute for Food and Agriculture Research (CIFAR)
- Center for the Study of Regional Change
- Center for Produce Safety
- Center for Vectorborne Diseases
- Energy Institute
- Foundation Plant Services
- Foods for Health Initiative
- Robert Mondavi Institute for Wine and Food Science
- Seed Biotechnology Center
- Western Institute for Food Safety and Security (WIFSS)

Our International Focus

Facilitate college-wide programs to position UC Davis as a global leader in agriculture and environmental knowledge and delivery





Current International Programs

Afghanistan

Agricultural extension
Almond nursery management
Horticultural support
Curricula development

Iraq

Agricultural extension

MadagascarDairy

Japan

Student exchange

Vietnam

Curricula development



Recently Completed International Programs

Egypt – improved horticultural production for poor farmersIndia – develop capacity for center for food safety and qualityRwanda – sustainable food security and improved rural income



International Fellows Program



Borlaug Fellows India

Mauritania

Cochran Fellows

Afghanistan

Colombia

India

Indonesia

Iraq

Mexico

Moldova

Montenegro

Peru

Humphrey Fellows

Benin

Burkina Faso

Cote D'Ivoire

India

Morocco

Panama

Philippines

South Africa

Vietnam



Our Focus on Outreach



Cooperative Extension

 Teamwork among faculty, specialists and advisors at UC Davis, UC Riverside, UC Berkeley and county CE offices





Focus for the Future

- Natural resource use & environmental protection
- Stable Food Supply
- Food safety and nutrition
- Human health and well-being
- Globalization of trade and information
- Changing demographics and consumer demands
- The information explosion
- Global climate change



Broad Goals Endorsed by Strategic Planning Committee

Agricultural Sciences

Maintain core strength in foundational areas. Continue to lead in the development of truly sustainable agricultural systems.

Consolidate leading position in both novel and traditional approaches to crop and livestock improvement.

Build strength in critical new and emerging areas, e.g., biofuels, biobased materials, heritage species, and biotechnology.



Broad Goals Endorsed by Strategic Planning Committee

Environmental Sciences

- Expand capacity to confront global change and its impacts on water supply & other life-support systems.
- Develop capability in new informatics tools that are becoming a cornerstone of environmental analysis.
- Maintain and renew basic organismal expertise that forms CA&ES excellence in environmental sciences.
- Create a strong continuum from basic to applied research to deliver societally-important products in environmental sciences, just as CA&ES traditionally has in agricultural sciences.



Broad Goals Endorsed by Strategic Planning Committee

Human Sciences

- Continue to ensure human health and nutrition, economic and community development, and public/private decision making about resource use are recognized for their fundamental roles in enabling translation of scientific knowledge into socially desirable solutions.
- Build capacity to weave agricultural, environmental, and human sciences research into effective decision making by public policymakers, stakeholder groups, and the public.



Specific Planning Recommendations for 2007-2012

II. Ideas for the Future

Recommendation: Recognize ten academic themes as areas of college wide significance to receive high priority for future development as resources allow:

- 1. Agricultural sustainability
- 2. Bio-based materials
- 3. Biodiversity and ecosystem services
- 4. Complex microbial ecosystems
- 5. Environmental and human health
- 6. Environmental informatics
- 7. Food safety (foods for health)
- 8. Global change, water and watersheds
- 9. Regional change
- 10. Science, policy, and public perception



Specific Planning Recommendations for 2007-2012

VIII. International Focus

Recommendation: The college should embrace education abroad programs, international experiences for graduate students, new internationally-focused courses and teaching programs, and other ways to enhance our international focus.



College of Agricultural & Environmental Sciences

Applying knowledge - Providing solutions

- Education
- Research
- Outreach





AGRICULTURAL SCIENCES

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& ENVIRONMENTAL SCIENCES

where knowledge meets need...

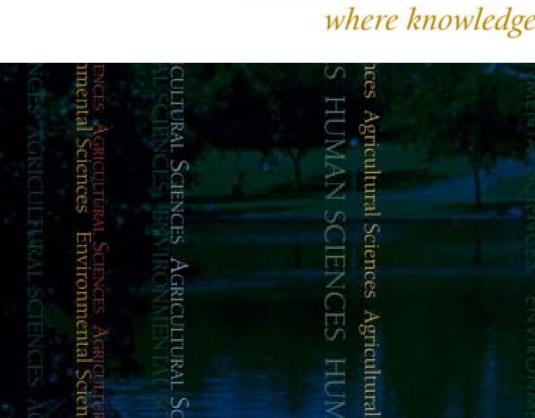
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Human Sciences



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