

Teaching Green: Integrating Sustainability in the Curriculum

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Working Toward a Common Purpose

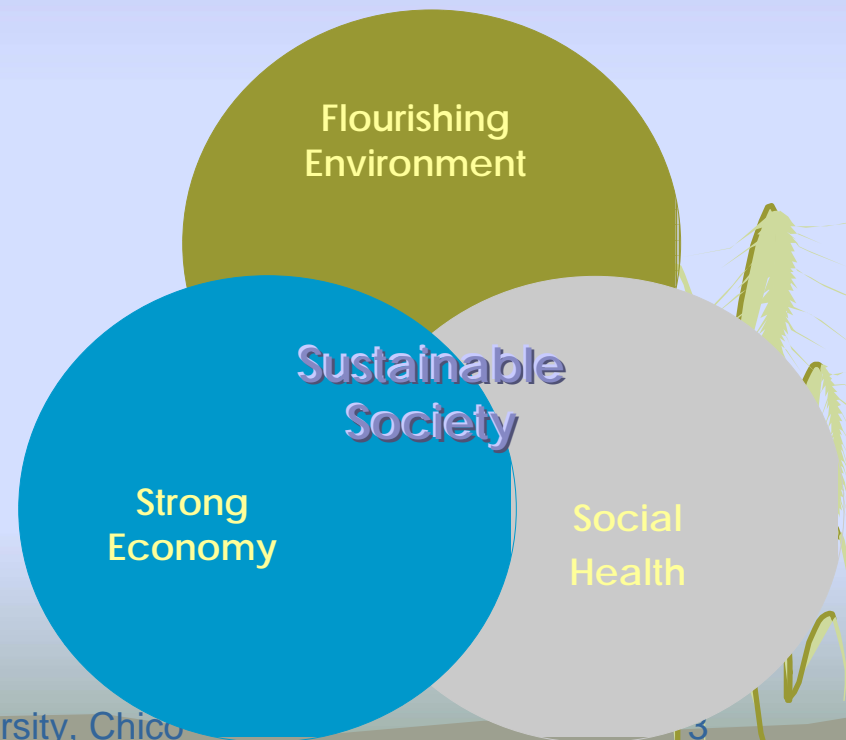
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California State University, Chico

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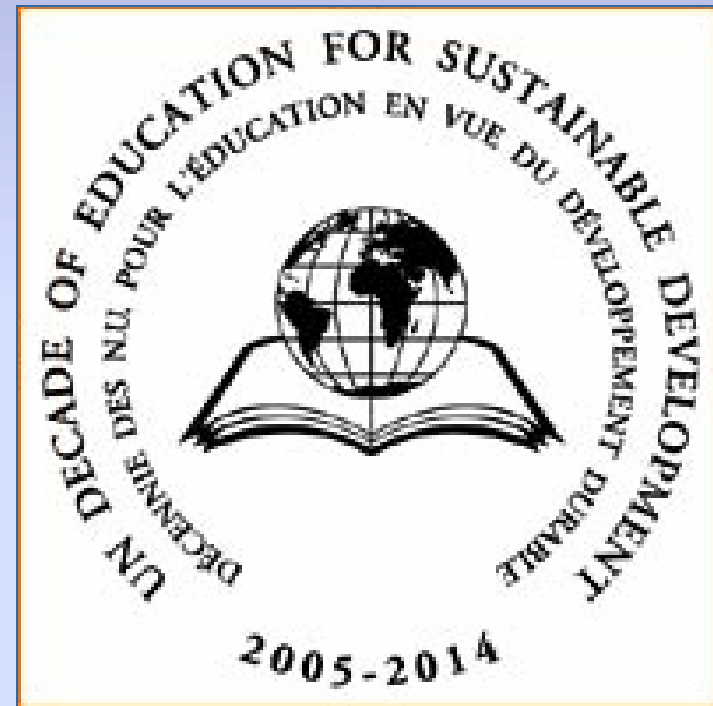
Sustainable Development

“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”



United Nations Declaration

- The United Nations has declared a **Decade of Education for Sustainable Development** 2005-2014.
- **Education** for a sustainable future “enables people to develop the knowledge, values and skills to participate in decisions ... that will improve the quality of life now without damaging the planet for the future.”
 - Sustainable Development Education Panel (1999)



University's Role

- Educate for a sustainable global society.
 - There is a need to integrate sustainable development into formal **education** at all levels, as well as through informal and non-formal education opportunities.
 - Deliver curricular and extra-curricular programs for sustainability
 - Promote scholarly and creative activities in sustainability
 - Provide regional leadership for sustainable development practices
 - Assist the University to serve as a model sustainable campus

Building Strategic Priorities

- University - 2007
 - Believing that each generation owes something to those which follow, we will create environmentally literate citizens, who embrace sustainability as a way of living. We will be wise stewards of scarce resources and, in seeking to develop the whole person, be aware that our individual and collective actions have economic, social, and environmental consequences locally, regionally, and globally.
- Academic Affairs - 2007
 - Educate for a sustainable global society.
 - Deliver curricular and extra-curricular programs for sustainability
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Advancing Sustainable Development at Chico State

- History
- Planning
- Distractors

Making a Climate Neutral Committment

- California State University, Chico is one of the first campuses in the nation to sign a the American College and University Presidents Climate Commitment to reduce greenhouse gas emissions and become “climate neutral” in its effect on the environment (Wills, J. 2007, Press Release).

Chico*Today Decides Tomorrow*

Our Sustainable Future

CALIFORNIA STATE UNIVERSITY, CHICO

THE INSTITUTE FOR SUSTAINABLE DEVELOPMENT

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At Chico State, we are dedicated to sustainable development as a means of balancing human social, cultural, and economic needs with the natural environment by respecting the finite natural resources of this planet and living in harmony with other humans and species now and into the future. We strive to become leaders in achieving a new vision of education, which integrates the principles of sustainable development into the academic programs, practices, and collaborations of our university.

This Web site is the forum for information about Chico State's contributions to sustainable development and this new vision of education. We encourage you to learn more and join us in advancing sustainable development for the future of humanity.

**Mark
your
calendars
now!**



November 6-9, This Way to Sustainability IV Conference will be held at CSU, Chico. Don't miss out on this spectacular event. [Register now!](#)

EDUCATING FOR SUSTAINABILITY

CSU, Chico currently offers over 100 "Green Courses". [Click here to check them out.](#)

What have we accomplished so far?

[Take a look.....](#)

CSU, Chico "Green" Courses

To learn more about CSU, Chico's Green Courses, visit the [Department Manual](#).

Courses marked with an "*" will be offered as green in the future.

Course Eff. Date	Course ID	Subject	Number	Title
* 8/1/2009 12:00:00 AM	000170	AGET	360	Irrigation
* 8/1/2009 12:00:00 AM	020295	BIOL	660	Landscape Ecology
* 8/1/2009 12:00:00 AM	001654	CDES	206	Introduction to Photography and Digital Imaging
* 8/1/2009 12:00:00 AM	001737	CDES	396	Intermediate Photography and Digital Imaging
* 8/1/2009 12:00:00 AM	001793	CDES	492	Pictorial Organization
* 8/1/2009 12:00:00 AM	001792	CDES	494	Photographic Copying and Titling Techniques
* 8/1/2009 12:00:00 AM	001794	CDES	496	Applied Photography and Digital Imaging
* 8/1/2009 12:00:00 AM	001795	CDES	497	Specialized Photographic Techniques
* 8/1/2009 12:00:00 AM	020504	CMGT	380	Green Building Practices and LEED Certification
* 8/1/2009 12:00:00 AM	020623	CSCI	102	Living With Technology
* 8/1/2009 12:00:00 AM	020415	GEOG	445	Pyrogeography
* 8/1/2009 12:00:00 AM	020295	GEOG	660	Landscape Ecology
* 1/1/2009 12:00:00 AM	020688	GEOS	166	Environment II: Ecosystems
* 8/1/2009 12:00:00 AM	020723	GEOS	265	Environment III: Atmosphere, Water, and Soils
* 1/1/2009 12:00:00 AM	020689	GEOS	365	Environment IV: Environmental Science Applications
* 8/1/2009 12:00:00 AM	000734	IDES	372	Interior Materials and Finishes
* 8/1/2009 12:00:00 AM	000768	IDES	373	Interior Lighting and Color
* 8/1/2009 12:00:00 AM	000817	IDES	452	Residential Design

Chico *Today Decides Tomorrow* **Our Sustainable Future**
 CALIFORNIA STATE UNIVERSITY, CHICO THE INSTITUTE FOR SUSTAINABLE DEVELOPMENT

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Campuswide Sustainability Practices

Chico State is committed to sustainable policies and practices that reduce the campus' "ecological footprint." For example, we are reducing CO₂, constructing sustainable buildings, implementing energy conservation practices, purchasing and investing in environmentally and socially responsible products, regularly conducting environmental audits, and minimizing the use of hazardous chemicals. The actions that contribute to the campus reducing its ecological footprint also provide us the opportunity to integrate our sustainable practices into the educational and scholarly activities of the University.

California State University, Chico is one of the first campuses in the nation to sign a long-range commitment to reduce greenhouse gas emissions and become "climate neutral" in its affect on the environment. In December, CSU, Chico President Paul Zingg joined six other top campus executives in signing the [American College & University Presidents Climate Commitment \(ACUPCC\)](#). See [Program Overview](#).

See January 16, 2007 news release:

CSU, Chico Among First Schools in the Country to Make 'Climate Neutral' Commitment to Reverse Global Warming

Decisions for a Sustainable Tomorrow: 2005 CSU, Chico Campus Sustainability Assessment (PDF) is a report that was developed over an academic year as a class for graduate and undergraduate students to participate in information gathering, data collection, and the writing of the report. The assessment is intended to serve as a foundation for planning future progress toward sustainability at Chico State while serving as a bridge between academics and facilities.

- [University Purchasing & Campus Stores](#)
- [Landscaping & Grounds](#)
- [Transportation](#)
- [Energy & Utilities](#)
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Search Sustainability 60



In 2006 Chico State recycled a total of 512 tons of recyclable materials, such as paper and beverage containers.

AS Recycling at CSU, Chico

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Student Activities

Without the enthusiasm, dedication, and imagination of our students California State University, Chico would not be the institution is it today. Student efforts lead the campus on the road towards sustainable development and will continue to be the fuel in the engine that is the University.

- [Adventure Outings](#)
- [Butte Creek Ecological Preserve](#)
- [Community Action Volunteers in Education](#)
- [Community Legal Information Center](#)
- [Diversion Excursion](#)
- [Environmental Action and Resource Center](#)
- [Environmental Affairs Council](#)
- [Environmental Ambassadors](#)
- [Green Campus Program](#)
- [Seniors in Mechanical Engineering](#)
- ["This Way to Sustainability" Conference](#)

Adventure Outings

[Adventure Outings](#) (AO) is funded by the Associated Students to provide student-led adventures in the wilds of Northern California and beyond. AO offers students trip leadership, information, educational experiences, and roughly 40 adventures each semester.

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Butte Creek Ecological Preserve

The [Butte Creek Ecological Preserve and Outdoor Classroom](#) is an educational program held at the Butte Creek Ecological Preserve. This classroom is run by Chico State students who focus on bringing Chico's elementary school students



Several varieties of lettuce are organically grown at the University Farm.

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Community Connections

- [Businesses](#)
- [Educational Institutions](#)
- [Government Agencies](#)
- [Non-profit Organizations](#)

Businesses

- [Advanced Light Technologies](#)
- [CH2MHILL](#)
- [EcoAnalysts, Inc.](#)
- [Pacific EcoRisk](#)
- [Pacific Gas and Electric](#)
- [Paradise Irrigation District](#)
- [Sierra Nevada Brewing Company](#)
- [South Feather Water & Power](#)
- [Wildlife Management Institute](#)

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Educational Institutions

- [Butte Community College](#)
- [CSU Agricultural Research Initiative](#)
- [CURES](#)
- [San Francisco State University](#)
- [San Jose State Univ. Foundation](#)
- [Shasta Community College](#)
- [Sonoma State University](#)
- [University of Maryland](#)

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Local Farmers' Market

Building a healthy
community

Chico State Sustainability Efforts Make the News

- University Printing Services Receives Forest Stewardship Council National Certification (May, 2008)
- Robyn DiFalco Receives the Paul Maslin Environmental Stewardship Award (2008).
- Fueling Innovation: Chico State students keep plugging away at biodiesel project (2007)
- Students Plant Seeds of Change: The students of The Cause house work to live a sustainable lifestyle (2007)
- Chico “Greenies” Awarded each year at the This Way to Sustainability Conference (2007, 2008)
- This Way to Sustainability - Largest Conference of its kind in the United States (2004 – 2008)
- California State University, Chico Student Wins National Scholarship for Research on Sustainability
- Grist, a nonprofit environmental newsletter, rated our University #8 among the top 15 among green colleges and universities (2007)
- California State University, Chico Wins Grand Prize for Fighting Global Warming (2007)

What are the growing edges and specific challenges faced by our campus?

- **Authentic discussion is essential as we develop our commitment to sustainability.**
- **Discuss and sharpen the definition and scope of the campus commitment to sustainability.**
- **Strengthen broad-based faculty investment in and commitment to sustainability**
- **Explore in inclusive ways the development of a degree program that would integrate campus-wide research and teaching efforts around sustainability.**
- **Explore ways to better design and implement our campus transportation and energy infrastructure in light of a commitment to sustainability**
- **Decide what goes if sustainability stays and grows**

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