



Green California Community College Summit
Building Gateways to the Green Economy

Pasadena Convention Center
October 17-18, 2011

TRANSFERABLE SKILLS AND GREEN SECTORS

Where U.S. Jobs Are: Finding Work
in a Not-Great Recovery, **TIME**,
January 14th, 2011

“The Great Recession didn’t merely cause cyclical job losses. It created an unemployment chasm. More [U.S.] jobs were lost in the 2007-09 recession, which officially ended in June 2009, than in the previous four recessions combined” according to Nariman Behravesh, chief economist for IHS Global Insight.



Chapman Economic Forecast Update

June 16th, 2011



“In the 1990-91 recession, California lost 517,000 payroll jobs over a 34-month period and the unemployment rate hit a high of 9.9 percent. It took 30 months for payroll employment to recover to its previous peak level.”

Chapman Economic Forecast Update

June 16th, 2011



“In the 2001 recession, California lost about 365,000 jobs over a 28-month period, the unemployment rate peaked at 7.0 percent and the economy generated enough jobs to reach its previous peak within 21 months.”

Chapman Economic Forecast Update

June 16th, 2011



“This time around, California lost 1,366,000 jobs over 38 months with the unemployment rate peaking at 12.5 percent.”

Change in California Total Nonfarm and Industry Sector Jobs: July 2007 - December 2009
(Seasonally Adjusted Data)

	July 2007	December 2009	Change in Jobs	
			Number	Percent
Total Nonfarm Employment	15,202,600	13,809,600	-1,393,000	-9.2%
Mining and Logging	26,800	24,100	-2,700	-10.1%
Construction	898,400	568,500	-329,900	-36.7%
Manufacturing	1,468,400	1,231,200	-237,200	-16.2%
Wholesale Trade	718,200	624,100	-94,100	-13.1%
Retail Trade	1,690,400	1,484,600	-205,800	-12.2%
Transportation, Warehousing & Utilities	511,200	464,800	-46,400	-9.1%
Information	471,400	449,500	-21,900	-4.6%
Financial Activities	905,200	782,500	-122,700	-13.6%
Professional & Business Services	2,266,300	2,018,800	-247,500	-10.9%
Educational & Health Services	1,676,700	1,747,200	70,500	4.2%
Leisure & Hospitality	1,562,200	1,476,200	-86,000	-5.5%
Other Services	512,700	467,300	-45,400	-8.9%
Government	2,494,700	2,470,800	-23,900	-1.0%

Source: California EDD Labor Market Information Division

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“One of the less attractive features of this job recovery is that it will be cruelly uneven. It will favor, more than ever, the college educated over blue collar workers. It will favor cities that have developed industry clusters in which skills match demand.”



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“Indeed, the ability to match
vital skill sets to needs is going
to determine whether many
jobs will stay or move in cities
all over the country in the
next couple of years.”



McKinsey Global Institute

Report

An economy that works: Job creation and America's future

June 2011



- Employers are looking for people with **proven skills** in the right fields.
- The **number one cause** for difficulty in filling positions (cited by 45 percent of companies) is **lack of sufficient experience**.

Foundational Level Math and Science Credential Program

A Partnership

Los Angeles Region School Districts
Workforce Investment Boards
CSU Dominguez Hills College of Professional Studies
CSU Dominguez Hills College of Extended Studies

Single Subject Credential in Foundational Level Mathematics

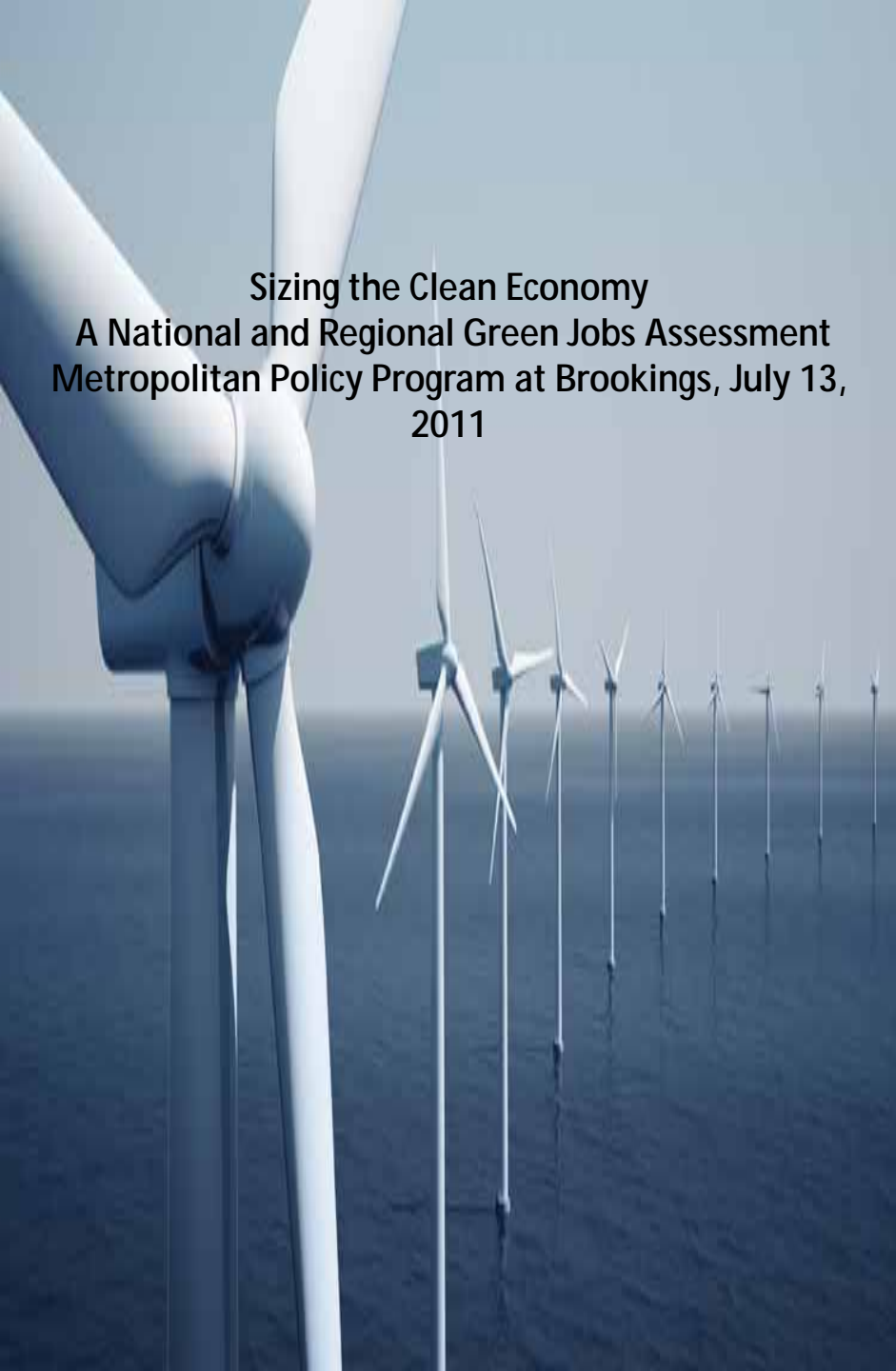
Babette Benken, Associate Professor
CSULB CNSM Department of Mathematics and Statistics

- ▶ Two 3-unit upper division undergraduate classes
- ▶ One class focused on math content
- ▶ One class focused on instructional method
- ▶ Passing Single Subject Math CSET I & II is required

Single Subject Credential in Foundational Level General Science

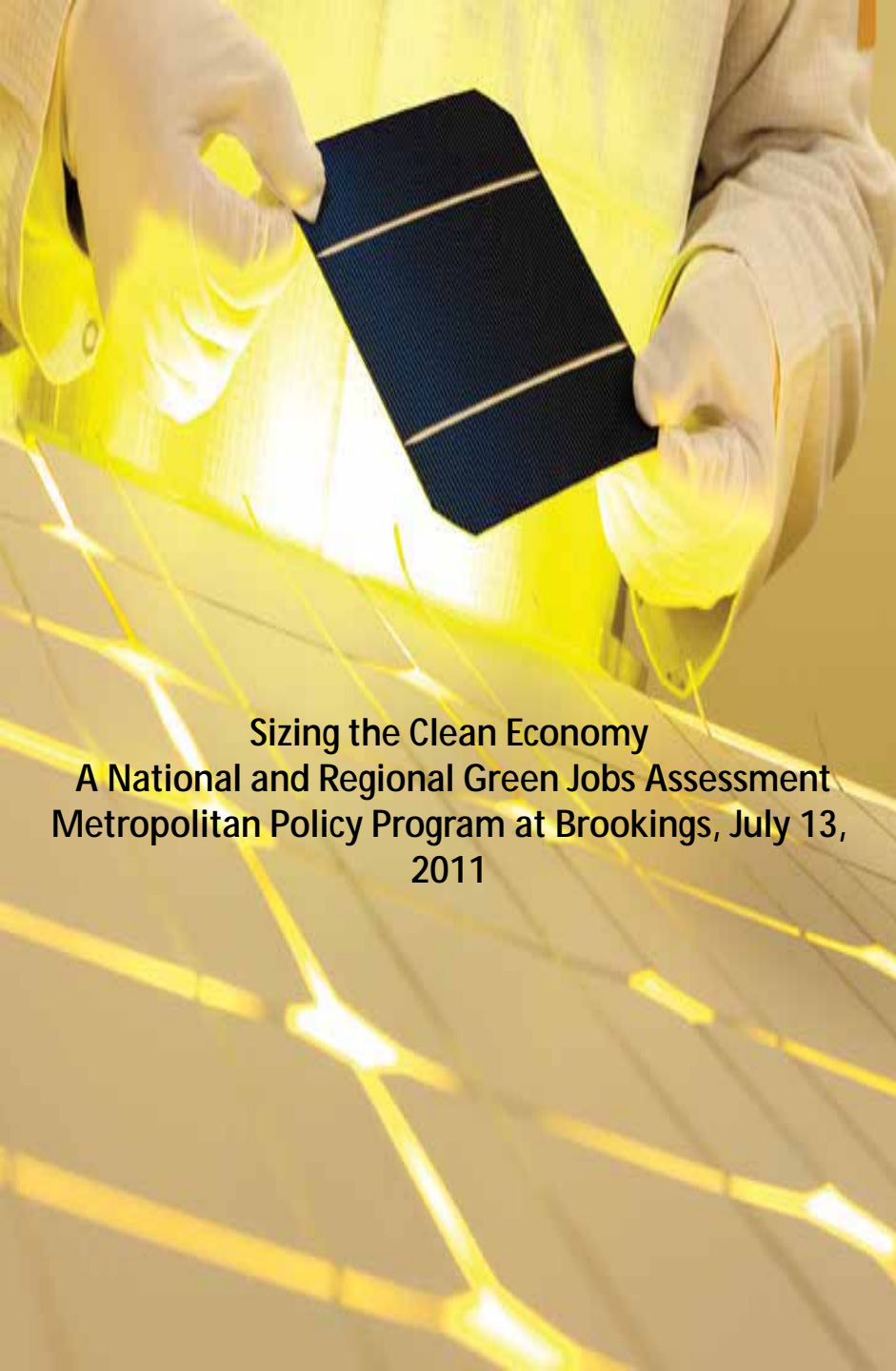
Laura Henriques, Professor and Chair
CSULB CNSM Science Education Department

- ▶ Two 3-unit upper division undergraduate classes
- ▶ One class focused on science content
- ▶ One class focused on instructional methods
- ▶ Passing Single Subject Science CSET I & II is required



Sizing the Clean Economy
A National and Regional Green Jobs Assessment
Metropolitan Policy Program at Brookings, July 13,
2011

- 2.7 million Americans are employed in positions related to the clean economy.
- 90% of these jobs are located in traditional industry sectors (**recycling, pollution reduction, waste management and treatment and mass transit**)



Sizing the Clean Economy
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- Most clean economy jobs in mature industry segments like **manufacturing** and public services such as **wastewater treatment** and **mass transit**.
- A smaller portion of the clean economy encompasses newer segments including **solar PV, wind, fuel cell, smart grid, biofuel, and battery** industries.

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- A national database, showing which jobs are in demand locally and nationally, could be a great help.
- Similarly, a system to certify the skills of employees in many kinds of jobs, reflecting both formal education and on-the-job training, could make matching far easier.

Thank You

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