SCIENCE EDUCATION IN THE 21ST CENTURY: 
Using the Tools of Science to Teach Science

with Nobel Prize Winner Dr. Carl Wieman

Friday, March 6, 2009
(3 Sessions)
1 PM - 4:30PM
North Classroom 1311

Research on how people learn is now revealing how many teachers badly misinterpret what students are thinking and learning from traditional science classes and providing insights on how to teach much better. The combination of this research with modern information technology is setting the stage for a new approach that can provide the relevant and effective science education for all students that is needed in the 21st century. Wieman will discuss the failures of traditional educational practices and the successes of some new practices and technology that characterize this more effective approach.

Dr. Wieman will be preceded by concurrent sessions:

- Lighten the Lecture Load with Active Learning Strategies
  With Ellen Stevens, PhD and Joni Dunlap, PhD, Ctr for Faculty Development

- Using Assessment to Foster Learning
  With Kenneth Wolf, PhD, Director of Assessment

For questions and to RSVP, contact:
UC Denver Center for Faculty Development @ 303-566-6075 or register online @
http://thunder1.cudenver.edu/CFD/workshops_seminars.htm

Wieman has carried out research in a variety of areas of atomic physics and laser spectroscopy, including using laser light to measure parity non-conservation in atoms and to cool atoms. This latter work lead to his collaborating with Eric Cornell to achieve the first creation of Bose-Einstein condensation in a vapor in 1995, which lead to the 2001 Nobel Prize in Physics. Wieman’s physics research has been recognized with numerous awards including the 2004 Professor of the Year among all doctoral and research universities and the Department of Energy’s Lawrence Prize in Physics.