What Are The Challenges We Face?
Challenge: The Impact of Globalization
Challenge: The Changing Nature of Science and Research to Large-Scale, Distributed Projects
Challenge: The Impact of For-Profit Providers
Challenge: Lifelong Learning Increasing the Critical Role of Community and Vocational Colleges
Challenge: The Impact of Decreased Public Funding for Universities and the Increased Cost of Education
Challenge: Risk Management and Business Resiliency Requirements
The Path Forward, Envisioning Opportunities
Community Ecosystem

Global
National
Regional
State
Local

Community User

SERVICE PROVIDERS
Advanced Network Services Leadership

Internet2 Combined Infrastructure Topology

Portfolio of network infrastructure and services across the Internet2 footprint

- IP node
- Optical regeneration node
- Redundant OADM node
- Colocation node
Services Above the Network/Cloud Services
National/Regional Collaboration

Successful Collaboration

- Shared Vision
- Collaboration
- Action Plan
- Sufficient Means
- Stakeholders
- Common Conceptual Framework
- Motivated Partners
- Expertise
- Open Communication
- Role Definition

Trust
"We need international collaboration on a global basis to identify exactly where the frontier is at any moment . . . . The rapid spread of new computing and networking technologies compels us to join hands across borders -- if we want to stay on the track."

- Dr. Arden L. Bement, Jr., former Director of the National Science Foundation
Research Partnership Development and Engagement
Industry Partnership Development and Engagement
Globalization
For-Profit Education

Why UC is exploring online learning: Cost, access, innovation
Chris Eisley, dean of the UC Berkeley School of Law | 7/20/10 | 10 comments | Leave a comment

The University of California is launching an online learning pilot program. If successful, I hope the university will embrace large-scale online instruction — not to replace the on-campus experience, but to enrich it.

More urgently, online learning would enable us to serve the growing number of qualified students for whom there will be no room on campus or for whom a residential full-time program won’t work.

Online education could become central to the University of California. Technological evolution, especially social networking, is making innovations in teaching possible, even in huge courses, instruction doesn’t have to be limited to the sage-on-the-stage.

Also, the brick-and-mortar model for UC’s past and present greatness faces serious budget threats. Demography and globalization mean UC should be a bigger, stronger engine of opportunity and knowledge this decade, but instead we’ll be squandering for lack of resources. (See graphic.)

Assume we can eliminate the budget gap through a combination of hard choices, donations and state funding. Even then, we face an enrollment gap, rejecting more and more eligible Californians. And UC education likely will be decreasingly affordable, especially for the middle class.

Then we will have privatized in the worst way: Excellence + Exclusivity = an elitism noxious

Why UC is exploring online learning: Cost and access

Expenses vs. Revenue

Why UC is exploring online learning: students vs. classrooms

More students will seek admission but classroom space won’t grow.

New Online Bachelors Degree Program Considered for University of California
Online Education FAQs and Statistics > Latest Online Learning News and Research
July 8, 2010
Decreased Public Funding, Increased Cost

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College Tuition & Fees vs. Overall Inflation (CPI-U)
Cumulative Inflation Comparison
© 2010 www.InflationData.com
Prepared By: Timothy McManus
Updated 10/14/2010

College Education Inflation Rate

Overall Consumer Prices (CPI-U)
Challenge: Risk Management and Business Resiliency Requirements

- Integration of Institutional Environments to Potentially Multiple Cloud Service Providers
- Management of Security and Privacy, Data Replication, and Protection
- Systems Monitoring and Auditing Requirements in Multiple Vendors and Multiple Services Locations
- Business Continuity Exposure and Mitigation
- SLAs in Multiple Service Providers Environment
- Technical Specifications, Requirements and Recommended Architectures
Our Community: Re-Inventing The Future