

# Stanford ONLINE

John Mitchell

Vice Provost for Online Learning

# Activities at Stanford

- Improve teaching and learning for students and faculty
  - Build faculty experience, build catalog of online material
  - Engage students, build success
- Extend our programs
  - New, improved, and more cost effective technologies for executive and professional education
  - Extend and improve our graduate masters programs without increasing on-campus population
- Increase visibility and impact
  - Partner with other institutions to repurpose Stanford content allowing said institutions to improve quality and possibly reduce cost
  - Provide some free courses to support a variety of self-learners and to enhance the university's visibility
- Build research activity
  - Intellectually engage faculty in teaching and learning
  - Evaluate and improve our courses and their online components
- Contribute to evolution of education, e.g., OpenEdX, data exchange

What factors and forces are driving change in global higher education and where are they headed?

# The need is evident

- Significant demand by any measure
  - Public college waiting lists exceed capacity
  - Global: China GDP will surpass Europe this decade
  - Learning throughout the life course
- MOOCs have
  - Established the potential for learning at scale
  - Demonstrated broad audience for low-cost educational experiences online
- Cost pressure on students and institutions

# Emerging opportunities

- Groups of campuses can share courses
  - CIC infrequently taught languages; SUNY system plan
- Innovative programs at some institutions
  - SJSU using MOOCs for college credit, with local faculty
  - GA Tech \$7,000 MS degree in computer science
- 35 courses account for 35% of college units
- Technology is affordable, ubiquitous
  - Storing an hour video: Late 90's - \$400, Today \$0.02
  - Smartphone shipment > feature phone globally, 2013
- Opportunity to experiment, measure, improve education
  - Data collection changes scale, fidelity of educational research

# Some likely transitions

- MOOCs popular for non-accredited lifelong learning
  - Weakly-accredited options; many uses of content in local teaching
  - Competency-based education
- Commoditization of advanced HS, remedial and 1<sup>st</sup> year college
  - Online content with local faculty involvement, other models
- Hybrid programs become the norm
  - Year abroad on college campus or non-campus location
  - Online courses replace SATs on college applications
  - Programs admit students based on first year online
  - Four-quarter MS degrees have 1-2 quarters on campus, rest online
- Wide array of professional certificate programs
  - Delivered by universities and/or through employers
- Federal student funding applicable to new programs

Goals: Sophisticated market informed by meaningful assessment, academic research  
Integrate technology and teaching models into core classes and programs



## Learning Opportunities



Quantum Mechanics for Scientists...

In Session



Cryptography II

Upcoming



Coding Together: Developing Ap...

Self-Study



Practice Based Research in the...

Upcoming



General Ga...

[View More Courses >](#)

## The Future of Learning



## Transformation of Teaching



## Professional Education

Stanford Online offers a variety of professional education opportunities in conjunction with Stanford University schools and departments.

Additional courses are offered by **Stanford Center for Professional Development** (School of Engineering), **Stanford Innovation and Entrepreneurship** (Graduate

## Incubation

## VICE PROVOST FOR ONLINE LEARNING

Sharing as we innovate: Stanford Online is a university-wide initiative coordinated by the Office of the Vice Provost for Online Learning (VPOL). As we develop new capabilities to enhance teaching and learning on our physical campus, we're sharing our work worldwide through publicly available courses, teaching strategies, and research findings on digitally mediated instruction.

[More About VPOL >](#)

## Collaboration

## OPENEDX

OpenEdX, an open-source platform, is Stanford's commitment to the collaborative improvement of online