

Components of **Digital** Transformation

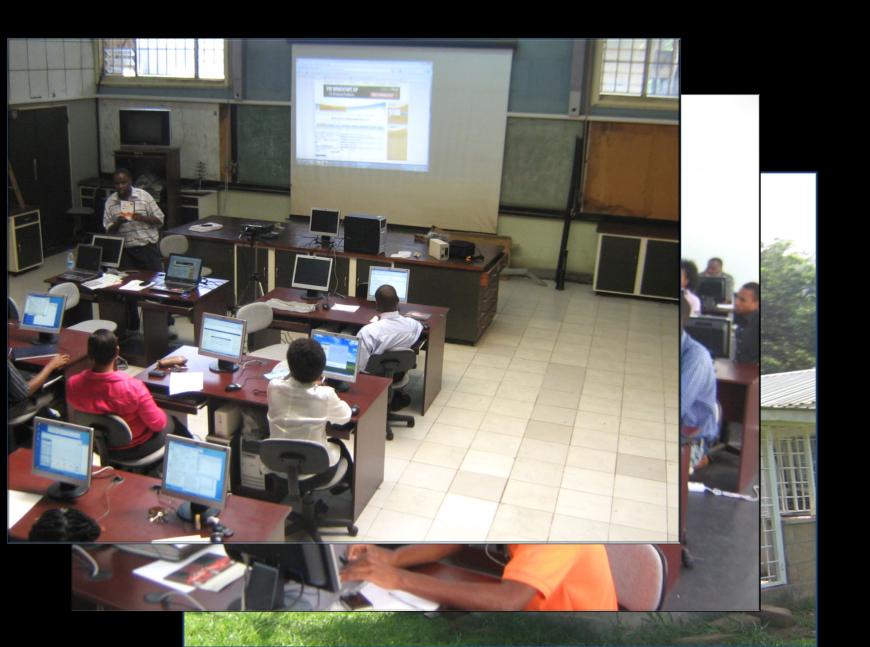
Digital Conversions

Digital Communications

Digital Commerce

Ubiquitous Computing

Distance Education and Massification



Trow's Conceptions of Elite, Mass and Universal Higher Education

Mass (16-50%)

A right for those with

Universal (over 50%)

An obligation for the

Elite (0-15%)

A privilege of birth

i) Attitudes to

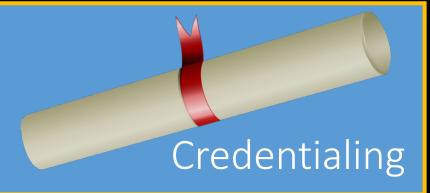
access	or talent or both	certain qualifications	middle and upper classes
ii) Functions of higher education	Shaping mind and character of	Transmission of skills; preparation for	Adaptation of 'whole population'
	ruling class;	broader range of	to rapid social and
	preparation for elite roles	technical economic e	technological change
iii) Curriculum	Highly structured	Modula	Boundaries and
and forms of	in terms of	an	sequences break
instruction	academic or		down; distinctions
	professional		between learning
	conceptions of knowledge		and life break down
vii) Academic	Broadly shared	Variable;	Criterion shifts from
standards	and relatively high	system/institution	'standards' to 'value
	(in meritocratic	'become holding	added'
	phase)	companies for quite	
		different kinds of	
		academic enterprises'	
Source: Trow, Martin, "Reflections on the Transition from Elite to Mass to Universal Access: Forms and Phases of Higher Education in Modern Societies since WWII. International Handbook of Higher Education: Part One: Global Themes and Contemporary Challenges. 2007. Springer. Dordrecht, Netherlands.			

D-Transform for What Purposes?

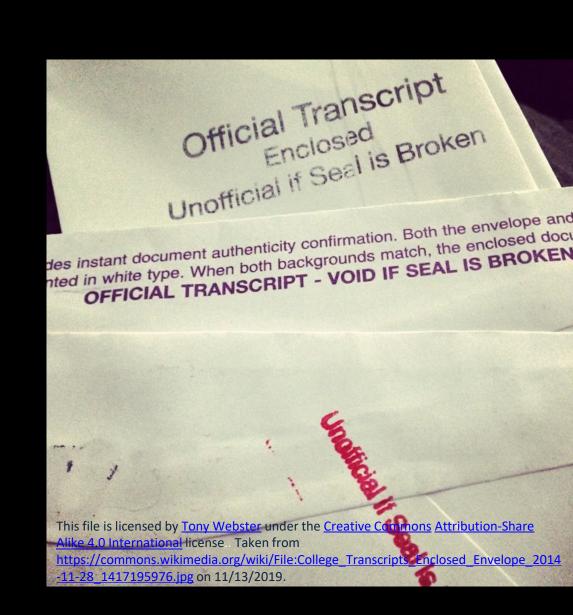






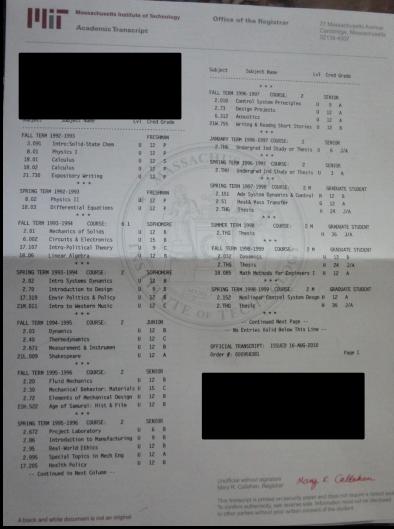


THE PROBLEM WITH STUDENT TRANSCRIPTS



Questions

- How is learning evaluated?
- What does the course consist of?
- What skills, knowledge and abilities does the student have?





UCI's Strategic Plan

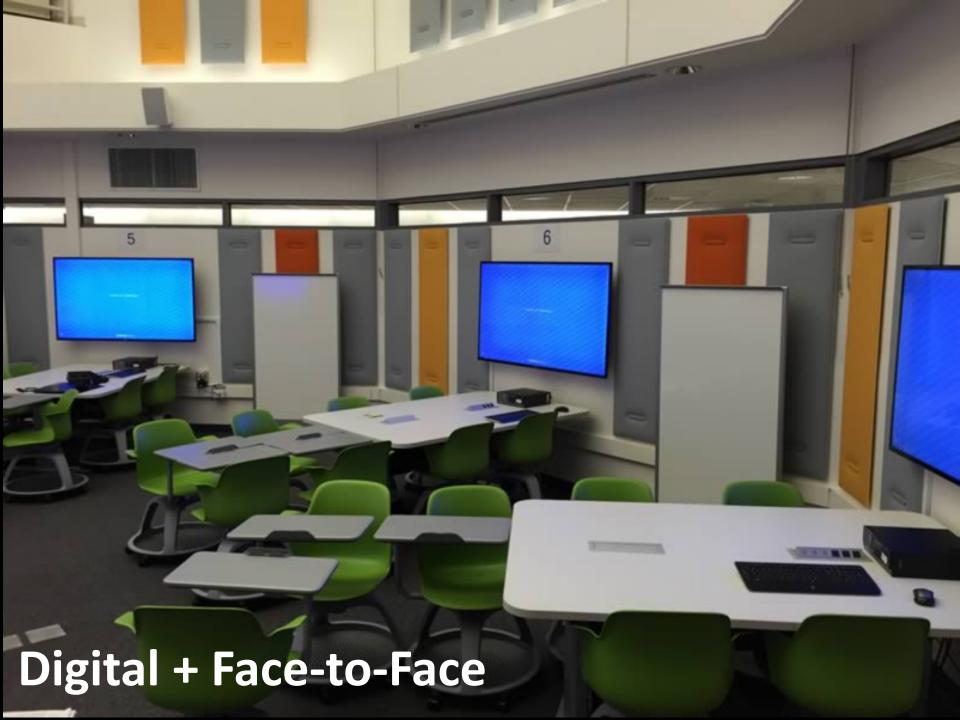
Goal 2.3: Utilize modern technological tools to create the most effective learning environments UCI embraces a technologically enhanced education strategy that goes beyond online courses and leverages all forms of innovation to enhance student experiences. We will develop a comprehensive plan for deploying technology in a way that best supports our diverse internal and external constituencies. In addition, we will use student analytics to improve learning, decrease time to degree, increase graduation rates, and close gaps between race/ethnicity, first-generation status, and income groups.



Utilize modern technological tools to create the most effective learning environments

- Become a national leader for high-quality online education by establishing metrics that ensure students successfully meet learning goals
- Incorporate technological innovations and global connections into traditional on-campus teaching by providing resources for online education training, standardizing support for educational technologies, and using digital platforms to bring top lecturers and researchers into the classroom
- Provide facilities, software and other tools that accommodate in-person and technology-based instruction



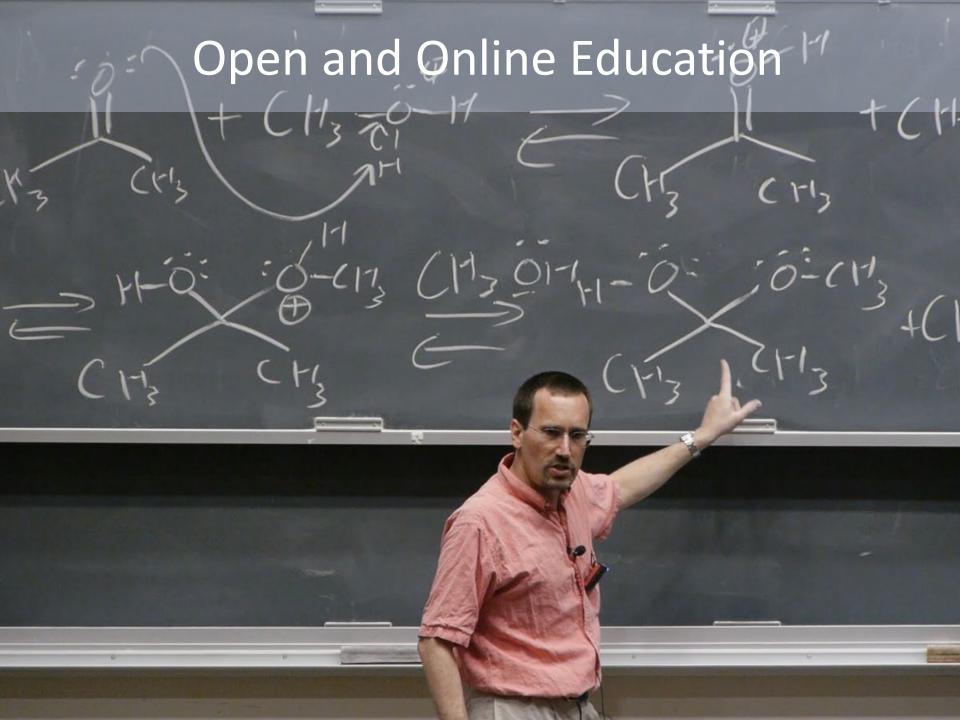


Data

What data do we collect?

- Student data
- Course data
- Research data

How can we use this data?





- Students author some texts in collaboration with faculty and peers.
- UCI School of Medicine first to integrate Google Glass into curriculum
- IMEDED First fully digital curriculum (2010)

Digital transformation, digital citizenship and the University

- Is the Internet broken?
- What is the business model of the Internet?
- How does the Internet's business model affect digital citizenship?
- What is the University's responsibility for the formation of digital citizens?



- Privacy and digital footprint
- Trust and skepticism
- Literacy and knowledge
- Safety and security
- Digital inclusion
- Community engagement



Conclusions

- The crucial affordance of the Internet is that the marginal cost of distribution of digital content drops to nothing.
- As society undergoes the transformation, the University impacts and is impacted by that transformation.
- Learning is impacted by the transformation of communications technologies and the ability to shift place, time, and tasks.
- The evaluation of learning will inevitably shift toward digital mechanisms that provide rich data on student's achievements.
- Sound pedagogical practices will take advantage of digital technologies to optimize active learning by students.

Thank you!

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