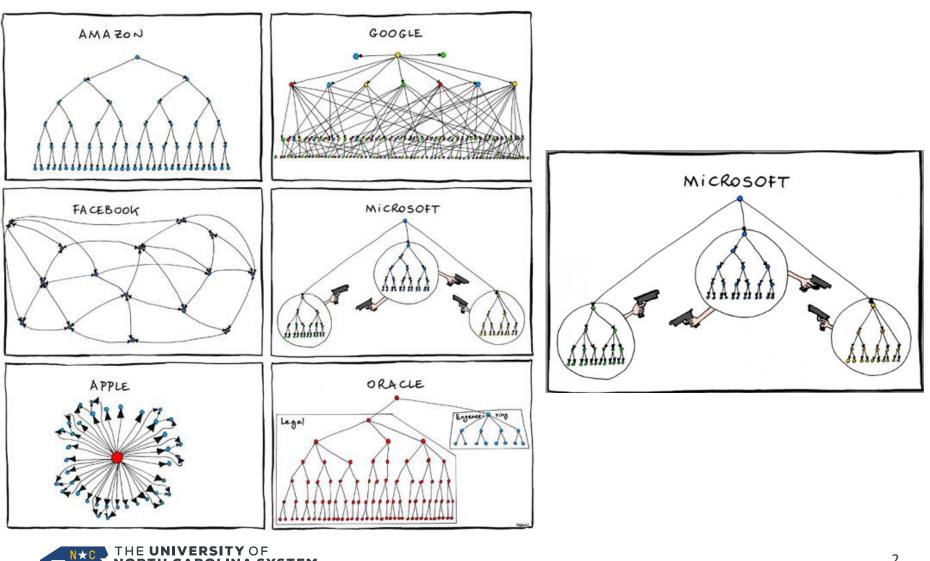


# **DIGITAL LEARNING INITIATIVE**

Wednesday, May 23, 2018

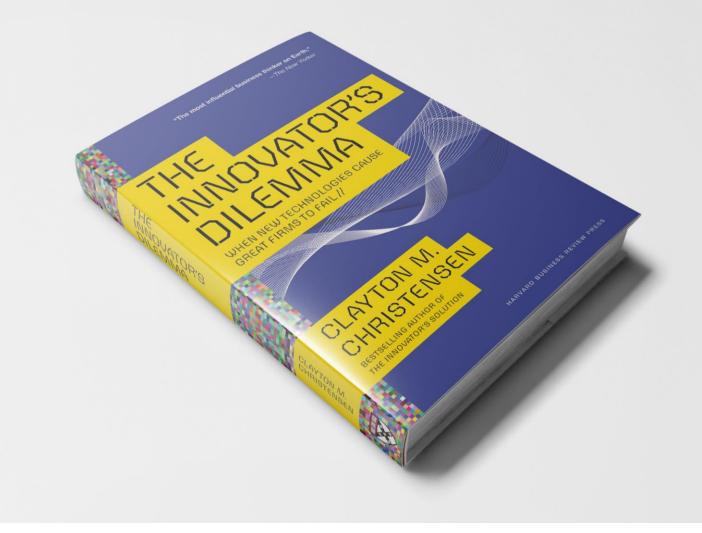
James Garner Ptaszynski, Ph.D. Vice President, Digital Learning



THE UNIVERSITY OF NORTH CAROLINA SYSTEM



# **Our Innovator's Dilemma**













# **Evolutionary vs Transformative Change**









# WIRED

08.06.09 12:00 AM JOHN C ABELL

# AUG. 6, 1997: APPLE RESCUED — BY MICROSOFT 1997: Microsoft rescues one-time

**1997:** Microsoft rescues one-time and future nemesis Apple with a \$150 million investment that breathes new life into a



struggling Silicon Alley In a remarkable feat of r founder Steve Jobs got n voting shares — and an a support Office for the Ma drop a long-running lawsu copied the look and feel of make Internet Explorer the computers — but not the only



When was the first iPhone released?

June 29, 2007

On January 9, 2007 Steve Jobs announced the iPhone at the Macworld cor the first iPhone was released on June 29, 2007.



# **Evolutionary vs Transformative Change**









# Why Do This? – Possible Goals

- 1. Revenue growth
- 2. Reduce costs
- 3. Growth in digital learning (partial or full)
- 4. Increase in student success (graduation rate)
- 5. Reach underserved populations (rural, military, out-of-state)
- 6. Employer\county economic needs
- 7. Growth in traditional students (digital is a pipeline)
- 8. Future proof system against new environment\competitors
- 9. Create reputation of system as leading edge



# **Possible Outcomes**

### Disruption\Change

- Impact on teaching & learning process
- Administrative process
- Funding models
- Culture & Climate of institutions
- Anxiety within faculty & staff

# • Efficiency

- Master (common) courses
- Shared services (instructional designers, IT)

### • Effectiveness

- Student success
- Course\program redesign
- Born digital



# **Possible Investments**

## • Specialized faculty

- Course design faculty (Knowledgeable but \$\$\$\$)
- Teaching faculty (Expert instructors and less \$)

# • Specialized staff

- Instructional designers
- Technology support
- Advisors\mentors
- Best-of-breed IT infrastructure
- Program\course selection meeting needs of employers and counties
- **Program\course development** Born Digital
- Centralized vs decentralized control



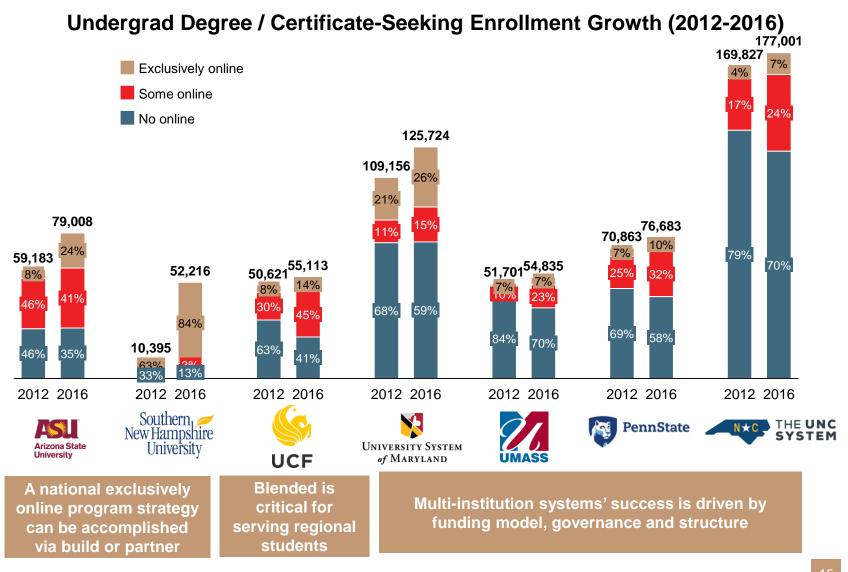
# IS THERE A OPPORTUNITY FOR THE UNC SYSTEM?

# **Some Observations by Tyton Partners**

- The growth in "online" in recent years is as much about the opportunity in blended as it is in 100% online programs; institutions must consider a coordinated approach to digital learning in order to ensure maximum access, flexibility and efficiency
  - Relative to select peer institutions, UNC has seen limited growth in online
  - UNC's relatively decentralized approach to offering online programs may limit the campus' ability to increase access and flexibility for students
- The adult learner population represents a significant opportunity; however, serving this population requires specialized competencies and offerings
  - UNC is under-weight in serving this population
  - Corporate / employer partnerships and alternative credentials are critical
- There are a number of institutions that have achieved significant scale serving adult learner populations that may offer interesting case studies and examples

UNC's online growth options span opportunities to better serve its existing market with partner / build scenarios as well as opportunities to serve new learners and markets through buy scenarios

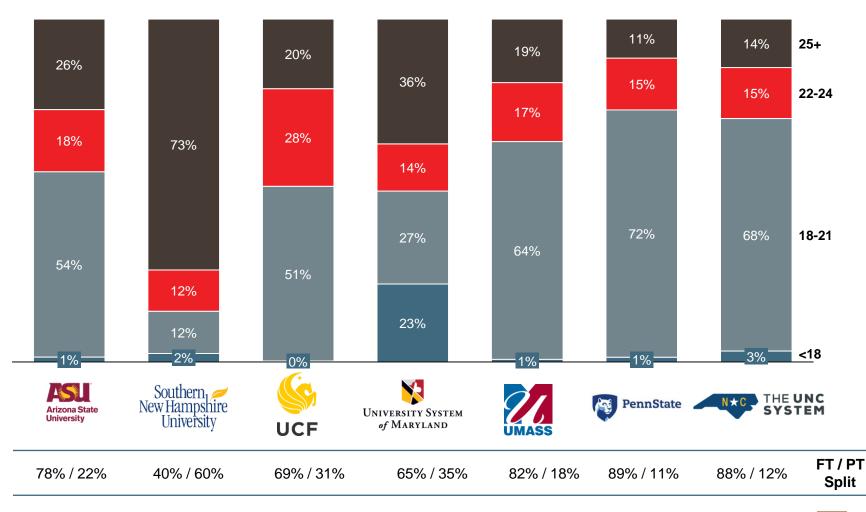
# **Institutional Comparisons**



# **Institutional Comparisons**

## UNC has an opportunity to attract more adult learners

#### Undergraduate Enrollment by Age (2016)



Sources: IPEDS 2016; Tyton Partners analysis

Note: Penn State System's age breakdown is from 2015 data as it is latest reported in IPEDs



# **MAJOR COMPETITIVE FORCES**

- Traditional Universities
- Corporations Enter the Market
- The 800 lbs. Gorilla









# **TRADITIONAL UNIVERSITIES**

**Evolutionary Change** 





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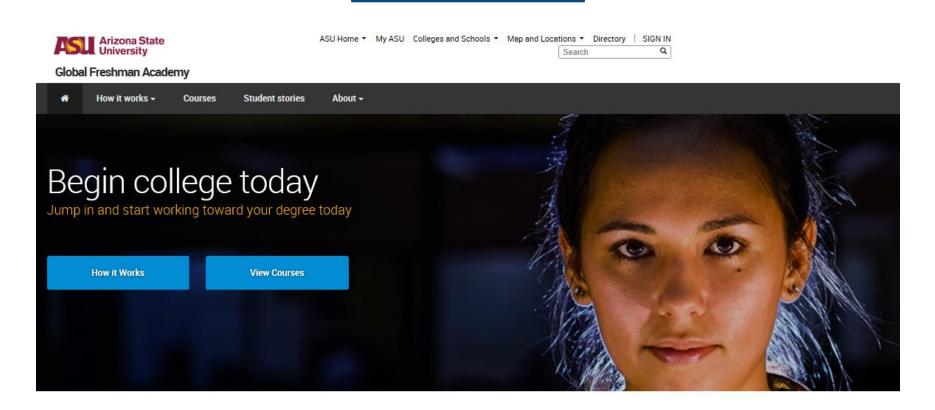
- U.S. News & World Report named ASU the #1 university for innovation in the country, ahead of both MIT and Stanford.
- U.S. News & World Report ranks ASU in the top 5 in the nation for online education.



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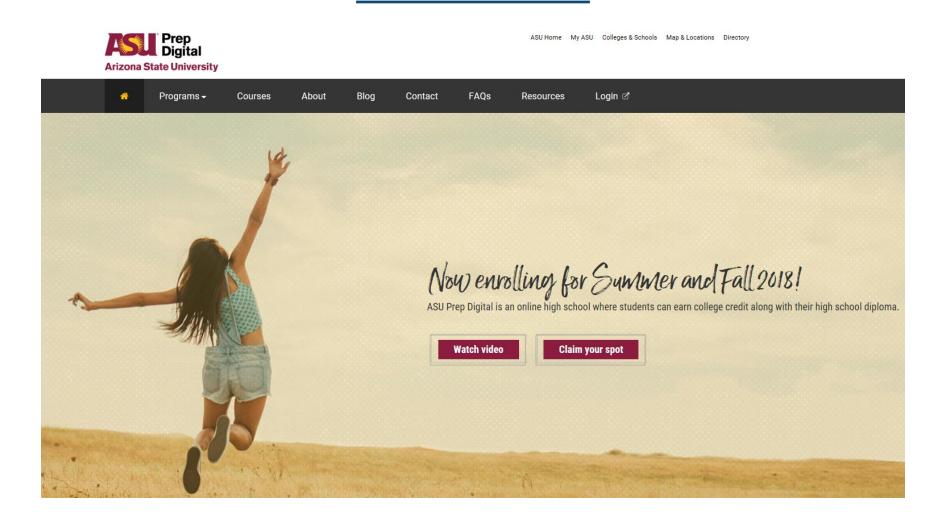


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# **Online High School**





# If there is any doubt about their aspirations...

f ASU Online	f ASU Online	f ASU Online	f ASU Online	Q	
			asu online	III Like Shore	
<b>Arizona State</b> University	<b>Online</b> <sup>•</sup> Arizona State University	Online <sup>®</sup> Arizona State University	<b>Online</b> Arizona State University	13 Shares Write a comment ASU Online April 30 at 8:00pm · •	
ASU Online @ASUonline	ASU Online @ASUonline	ASU Online @ASUonline	ASU Online @ASUonline	As an ASU Online student, you help spread Sun Devil Nation spirit from your part of the world- that's amazing! COMMENT below if you're one of our May grads living INTERNATIONALLY! Which country? We'll pin your location to	
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About	About	About	About		
Photos	Photos	Photos Videos	Photos	7 Days Until Graduation	
Videos	Videos	Notes	Videos	3 - F	
Notes	Notes	Posts	Notes		
Posts	Posts	Groups	Posts		
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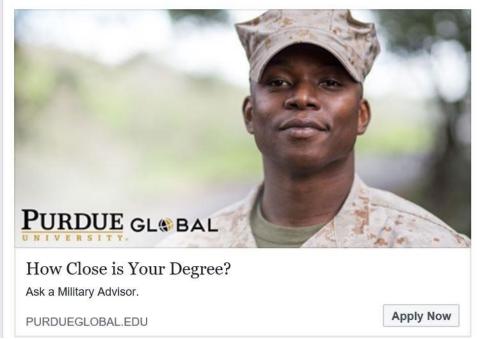
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## LOCATION OF STUDENTS ENROLLED EXCLUSIVELY IN DISTANCE EDUCATION COURSES 2015





### **NC Students Attending Online Institutions Out-of-State**

Liberty University	VA	6,638
University of Phoenix	AZ	5,256
Grand Canyon University	AZ	1,765
Penn Foster College	AZ	1,361
American Public University	WV	6,138
Colorado Technical University	CO	1,270
Kaplan University	IA	2,147
Capella University	MN	2,377
Southern New Hapshire University	NH	2,319
Excelsior College	NY	2,029
Western Governor's University	UT	845
Strayer College	DC	4,711
Ashworth College	GA	2,696
Columbia Southern University	AL	1,023
		40,575



#### The New York Times Magazine

#### How Liberty University Built a **Billion-Dollar Empire Online**

With a hard sell to prospective students and huge amounts in taxpayer funding, Jerry Falwell Jr. transformed the evangelical institution into a behemoth.

By ALEC MacGILLIS/PROPUBLICA APRIL 17, 2018



#### THE CHRONICLE OF HIGHER EDUCATION **Online Kingdom Come**

iberty U. became an unexpected model for the future of higher education



THE UNIVERSITY OF NORTH CAROLINA SYSTEM N±C

More than 800 people work in Liberty's online-recruitment division, housed in a former Sears.

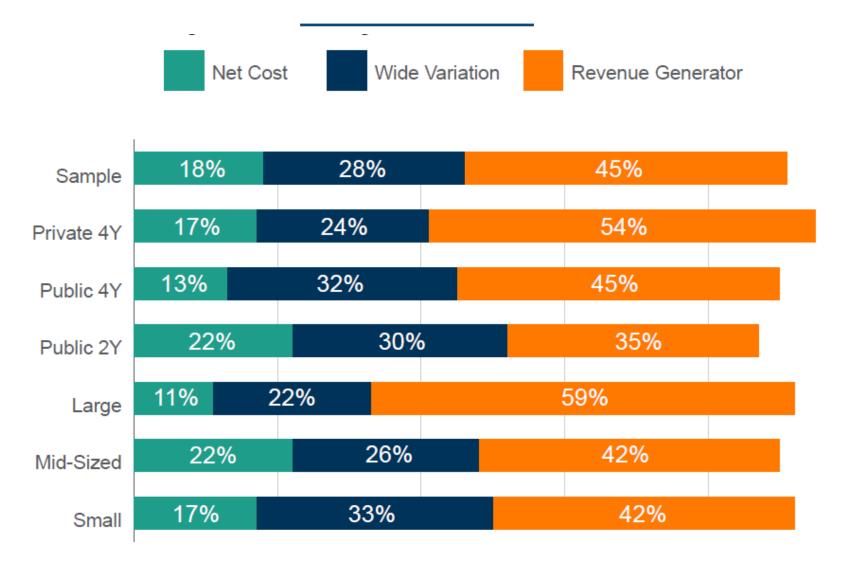
# **Billion-Dollar Blessings**

How Jerry Falwell Jr. transformed Liberty University, one of the religious right's most powerful institutions, into a wildly lucrative online empire.

By 2016, Liberty's net assets had crossed the \$1.6 billion mark, up more than tenfold from a decade earlier. Thanks to its low spending on instruction, its net income was an astonishing \$215 million on nearly \$1 billion in revenue, according to its tax filing — making it one of the most lucrative nonprofits in the country, based simply on the difference between its operating revenue and expenses, in a league with some of the largest nonprofit hospital systems.



# **Online Programs: Net Cost or Revenue Generator?**





### Lessons Learned From a \$75 Million Failed Experiment

Closure of Texas System's innovation arm shows that ed-tech start-ups need similar things -- including business models and faculty buy-in -- whether Silicon Valley or a university fund them.

By Doug Lederman // February 21, 2018





Starting in 2011, the Texas system invested nearly \$100 million in the institute (\$23 million remains unspent) to try to drive digital technologies into the approaches its campuses use to reach, educate and graduate students. Over five years, the institute helped several UT campuses launch distinctive new academic programs and developed three core pieces of technology that, among other things, deliver online learning and students' transcript information via the blockchain. But its total revenue over the five years: \$1 million, *The Texas Tribune* reported.



# **Some Lessons**

"Before you establish an organization, you have to be very clear about its goals," said this official. "It cannot be these broad fuzzy things, like 'drive innovation through change' or 'drive student success."

Understanding how and why Texas' Institute for Transformational Learning failed -- and even some of its fans acknowledge its failure -- is important. Because whether the institute itself was a good idea, most colleges and universities will need to experiment, in ways big and small, to thrive going forward.





# CORPORATIONS

Limited Goals – For Now

# **Battle Royale Blinded by Assumptions**





#### Value Proposition Marque Clients

- Features
- Security
- Privacy
- FERPA
- Legal

- Medical Schools
- Law Schools
- Business & Industry
   New NYPE

# Value Proposition

- Free
- Internet-based





#### Accreditation

#### Access to federal financial aid

Diplomas

Reputation

#### Degrees



Credibility

# **Battle Royale**





Is Amazon moving into the e-learning space?

### Value Proposition

- Accreditation
- Federal Financial Aid
- Degrees
- Diplomas
- Credibility

## Value Proposition

- Direct links to job market
- No or low cost
- Available now
- Internet-based





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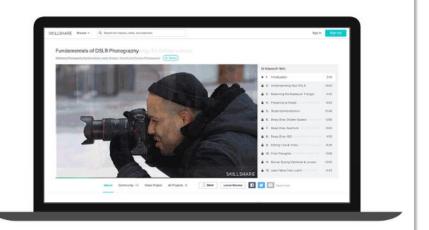
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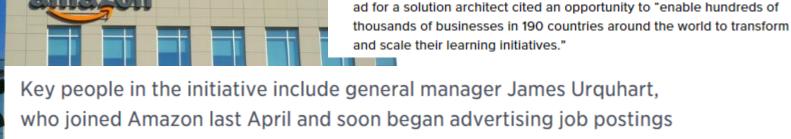


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"If you see Amazon take a strong step into this space, then it's recognition of 'lifelong learning' and career-centric up-skilling," said Tory Patterson, co-founder and managing partner of Owl Ventures, an education tech fund in San Francisco.



for people who could help build a "learning platform."

#### BRIEF

### Amid speculation, Amazon continues to inch its wav ir

The move suggests Amazon Web Services sees ready-to-use services, rather than raw computing and storage resources for roll-your-own application development, as vehicles for maintaining the rapid growth of its cloud and keeping its lead ahead of the likes of **Google** and

A job **opening** for a solution architect that appeared in December hinted how things could play out. "This is an opportunity for an experienced technologist to be on the ground floor of building a learning platform that will enable hundreds of thousands of businesses in 190 countries around the world to transform and scale their learning initiatives." Amazon wrote

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Jess Stratton (66)	NIVERSITY OF I CAROLINA SYSTEM	#UNCSystemTIDE



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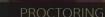
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5:	ENGL 2201 602 - Writing About the DisciplinesWriting About MultidisciplinesDE	Baccalaureate	🎬 Fall 2018	🏦 ECU	~
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/:	ENGL 1100 601 - Foundations of College WritingDE	Baccalaureate	🎬 Summer 2018	🏦 ECU	~
~	ENGL 2815 601 - Introduction to Creative WritingDE	Baccalaureate	🛗 Summer 2018	🏦 ECU	~
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ENGL 130 990 - Introduction to Fiction Writing	Baccalaureate	🛗 Fall 2018	🏛 UNC-CH	
Sophomores only. A course in reading and writing fiction. Close study of a wide range of short stories; emphasis on technical problems. Class criticism and discussion of student exercises and stories. Students may not receive credit for both ENGL 130 and ENGL 132H.		Hours:	3	
		CRN:	10630	
		Start:	08/21/18	
RICHARD KRAWIEC	rkrawiec@email.unc.edu	End:	12/14/18	
		Last Date to Register:	08/27/18 (subject to change)	
		Delivery:	Web	
		Meeting Pattern:		
		Pre-requisites:	None Listed	
		Co-requisites:	None Listed	
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📄 ENGL 101 05B - Ideas & Their Expressions	Baccalaureate	🎬 Fall 2018	🏛 NCA&T	~
📄 ENGL 101 05B - Ideas & Their Expressions	Baccalaureate	🋗 Summer 2018	🏛 NCA&T	~
ENGL 101 05C - Ideas & Their Expressions	Baccalaureate	🎬 Fall 2018		~
ENGL 342 D1 - Creative Writing	Baccalaureate	🎬 Fall 2018	🏛 FSU	^
An introduction to various forms of modern fiction and poetry, with opportunities for the creation of original poetry and fiction. Prerequisite: ENGL 110			3	
and 120		CRN:	6611	
Faculty & Brenda Hammack	≤ bhammack@uncfsu.edu	Start:	08/22/18	
	English	End:	12/10/18	
		Last Date to Register:	08/28/18 (subject to change)	
		Delivery:	Web	
		Meeting Pattern:		
		Pre-requisites:	ENGL 110 OR ENGL 110 AND ENGL 120 OR ENGL 120	
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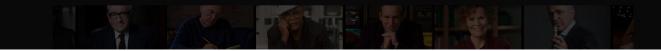








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# CHINA

The Master Plan Buying Education Technology Companies International Students Buying Collages and Accreditation

### US Commerce Secretary calls China 2025 plan "Frightening"



Money

<u>US Commerce Secretary</u> <u>calls China 2025</u> <u>plan 'frightening'</u>

N\*C THE UNIVERSITY OF NORTH CAROLINA SYSTEM China's plan to transform itself into the global technology nexus is a "frightening" one that puts American intellectual property at risk, US Commerce Secretary Wilbur Ross said Tuesday.

China's plan to transform itself into the global technology nexus is a "frightening" one that puts American intellectual property at risk, US Commerce Secretary Wilbur Ross said Tuesday.

"It's a huge, huge problem," Ross told a gathering of fabric industry executives about the repeated theft of technology. "And it's not going

away."

He said Beijing's development plan -- Made in China 2025 -- maps out the country's strategy to dominate "every hot industry" from space to telecommunications to robotics to electric cars.

# **Higher Education Plans**

### Project 211

Project 211 is the Chinese government's new endeavor aimed at strengthening about 100 institutions of higher education and key disciplinary areas as a national priority for the 21st century. There are 112 universities in the project 211.

### Project 985

Project 985 is a constructive project for founding world-class universities in the 21st century conducted by the government of the People's Republic of China. On May 4, 1998, President Jiang Zemin declared that [China must have a number of first-rate universities of international advanced level"] so Project 985 was launched. In the initial phase, 9 universities were included in the project. The second phase, launched in 2004, expanded the program until it has now reached 39 universities.

In 2003 China supported 1,552 institutions of higher learning (colleges and universities) and their 725,000 professors and 11 million students (see <u>List of universities in China</u>). There are over 100 <u>National Key</u> <u>Universities</u>, including <u>Peking University</u> and <u>Tsinghua University</u>. Chinese spending has grown by 20% per year since 1999, now reaching over \$100bn, and as many as 1.5 million science and engineering students graduated from Chinese universities in 2006. China published 184,080 papers as of 2008.<sup>[5]</sup>





## **World Class Universities**

#### China to develop 42 world-class universities

(People's Daily Online) 15:41, September 21, 2017



Tsinghua University

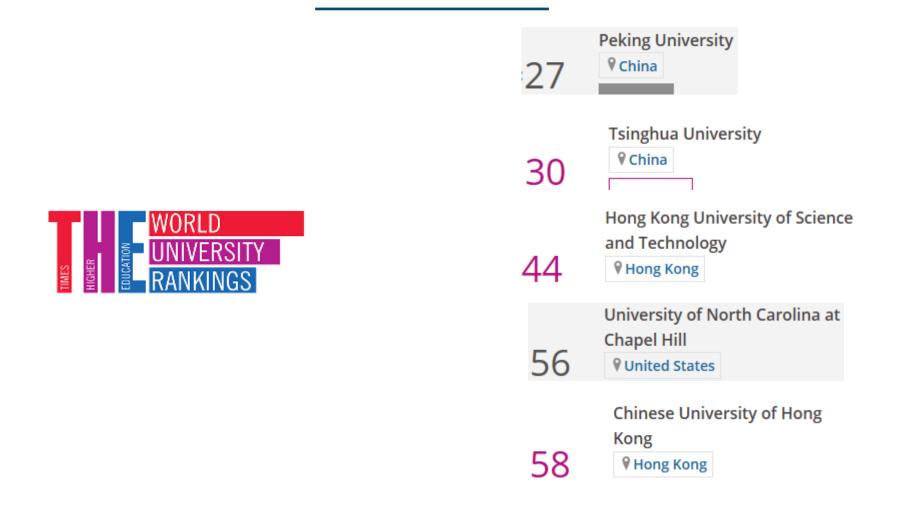
Chinese authorities on Thursday released a selected list of universities and colleges, which will participate in the country's construction plan of world-class universities and first-class disciplines.

The plan, also known as the "Double-First Class" initiative, aims to ultimately build a number of world class universities and disciplines by the end of 2050, in an effort to make China an international higher education power. The project will run on a five-year cycle, while around 100 disciplines will be supported, including those that are related to national security and vital interests, as well as emerging and interdisciplinary subjects.

According to the list jointly released by the Ministry of Education (MOE), the Ministry of Finance (MOF), and the National Development and Reform Commission (NDRC), 42 universities and colleges will be developed into world-class educational institutions, while 95 universities will focus on building their preponderant disciplines into first-rate ones.



# **World University Rankings**











United States Chapel Hill, NC







### The University of China at Illinois

The University of Illinois at Urbana-Champaign enrolled 37 undergraduates from China in 2000. Now it has close to 3,000. What are the implications of such a shift?

#### By Elizabeth Redden // January 7, 2015

#### 56 COMMENTS Q









ELIZABETH REDDEN

The quad at the University of Illinois at Urbana-Champaign.

### Many Colleges See a Drop in International Students, Chronicle Survey Finds

By Karin Fischer | SEPTEMBER 06, 2017



Liz Kaye, IU Communications

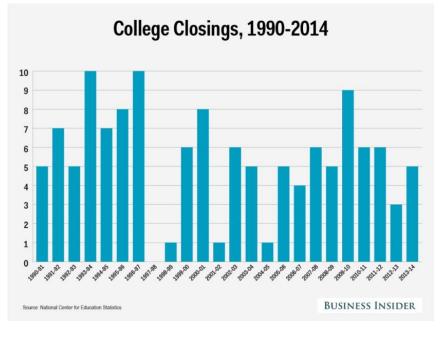
Members of the international-office staff help students register during orientation for this term at Indiana U.-Purdue U. at Indianapolis. The campus had a small rise in overall international enrollments, although there was softening, particularly at the master's level.



Websites Tracking America's Failed Colleges Show That Struggles Are Nothing New



Buildings belonging to the former Bennett College, in Millbrook, N.Y., have stood empty since the institution closed, in 1978, after years of financial distress.





## **China: Competing from within**



Chinese Companies Are Buying Up Cash-Strapped U.S. Colleges bloomberg.com







China Moves on U.S. Schools



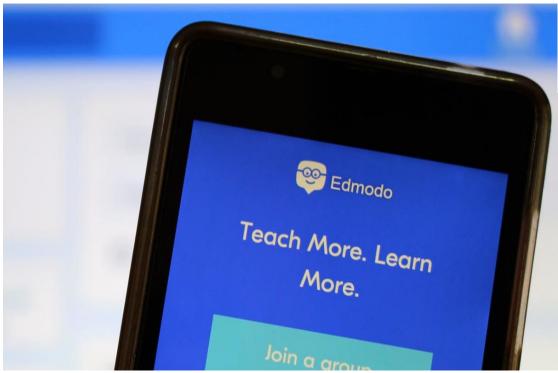
# And they are buying technology companies

EdSurge News What We Do HigherEd Jobs Board

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### China's NetDragon to Acquire Edmodo for \$137.5 Million

By Betsy Corcoran and Tony Wan Apr 9, 20



N\*C THE UNIVERSITY OF NORTH CAROLINA SYSTEM China's NetDragon has gobbled up another education technology company. This time, it's Edmodo, one the largest online social communities of teachers and students in the world.

NetDragon Websoft, a publicly-traded company based in Fuzhou, China, has agreed to pay \$137.5 million for Edmodo. That deal includes a modest cash outlay of approximately \$15 million and a significant chunk of equity (about \$122 million worth of shares in NetDragon's education subsidiary.)

Edmodo was started in 2008 by a teacher and IT support person as a "Facebook-like" community aimed at connecting educators with students and with one another. Also like Facebook, Edmodo grew rapidly. Currently, the company, now based in San Mateo, Calif., claims more than 90 million registered users (both teachers and students) in 400,000 schools across 192 countries.

# **Reported Censorship at a Confucius Institute**

A journalist at Foreign Policy wrote that a reference to her reporting experience in Taiwan was deleted from her biography when she gave a talk at Savannah State University's Confucius Institute, one of more than 500 such centers worldwide funded by the Chinese government to teach language and culture. The journalist, Bethany Allen-Ebrahimian, wrote that she later learned the reference to Taiwan in her biography was deleted at the request of the institute's co-director, Luo Qijuan, who argued that it challenged Chinese sovereignty and threatened to boycott the event if it was not removed. Neither Luo nor the university responded to Foreign Policy's request for comment.

By Elizabeth Redden // May 10, 2018









# **THREE MODELS**

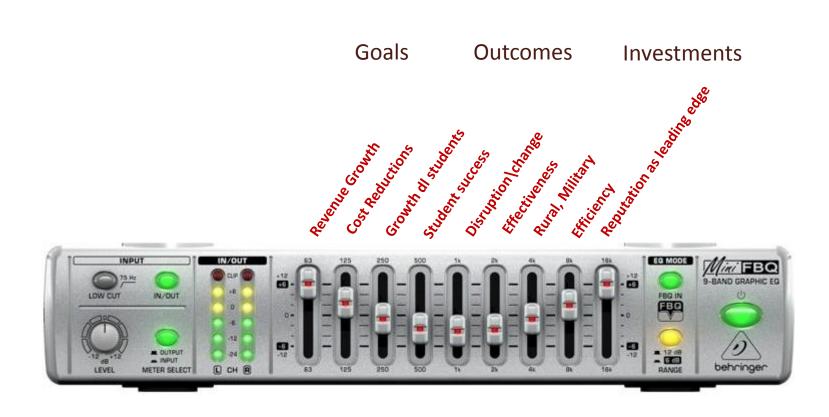
## **Equalizer**



Pre-Sets for Rock – Jazz – Classical – Spoken Word and Custom Settings

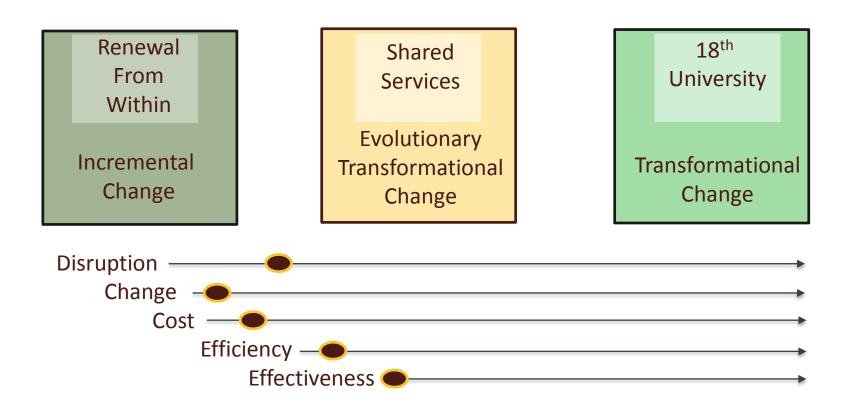


## Equalizer





## **Three Models**





# QUESTIONS?

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