

Issues Concerning On-Line Learning at WSU

Two 'Big' Thrust Areas

- **(Eventually) to provide guidance to the Administration on possible strategies, goals, directions WSU should be taking AND resource issues.**
- **Sharing and distributing information, on-hands assistance, and experiences to interested faculty—particularly to close colleagues.**

First: we need to agree on some terms

DRL = Digital Related Learning

E-Learning (seems broader)

With your permission: Since E-L seems well established, let's kill ~~DRL~~

where WE mean E-L = any learning *with an online-component*

E-Learning = Elearning = e-learning = elearning = EL = E-L = el = e-l, etc.

Coursera
edX
Khan Academy
Udacity
iTunesU
"Hidden" Lectures (youtube; individual websites)

Such EL includes:

MOOCs (Massive Open Online Course)	Home Brew online lectures
<p>(a) "Pure" (all electronic – no face-to-face time) Low Residency (<i>some</i> face-to-face time)</p> <p>(b) Hybrid Flipped Blended</p>	<p>(online lectures [MOOC or Home Brewed] + scheduled face-to-face time)</p>

MOOCs (Massive Open Online Course)

Home Brew online lectures

For discussion, let's consider both of these centered around "online lectures"

Initially:

I'd like to focus on courses for on-campus WSU students

i.e., exclude for time being distance learning courses

**Example of a “Hidden Course” = Source of Lectures for Home Brew
For many sources: Lectures Always Available**

MITOpenCourseWare (also on iTunes U)

Lectures suitable for calculus-based Intro to Physics II (freshman/sophomore)

<http://ocw.mit.edu/courses/physics/8-02-electricity-and-magnetism-spring-2002/video-lectures/lecture-6-high-voltage-breakdown-and-lightning/>

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This 2002 produced package is a strong candidate for a locally designed and executed (Home Brew) flipped course

where:

- Lewin’s videos would provide the majority of the lecture material**
- PLUS FULL face-to-face, on-campus components**

CREATING BETTER SOLUTIONS
for their campus and the world.

The colleges and universities that comprise the edX consortium are among the best in the world. They are dedicated to quality education both on campus and online. EdX is honored they have chosen to become part of the initiative by opening their virtual doors to the world.

\$60 M start up



Boo! Hiss!

Corresponding MOOC
Suitable for calculus-based Intro to Physics II (freshman/sophomore)

edX – MOOC (SAME LECTURES)

<https://www.edx.org/course/mit/8-02x/electricity-and-magnetism/608>

In General: Add-Ons in Course Mode (Certificates, perhaps Credit)

- Online Discussion Groups/Forums (with peers)
- Online Question/Answer/Tutoring Capability
- Contact with Instructor or a ‘Mentor (T.A.)’ (e.g. via Skype)
- Graded Homework /Writing assignments
- Graded and Ungraded Quizzes
- Examinations

- i. Peer grading of homework / term papers
- ii. Commercial Homework grading systems (e.g., *Web Assign*)
- iii. Monitoring of exams and quizzes (webcam video + audio)
- iv. Keyboard typing recognition

Issues at WSU

A. Why consider increased WSU participation in E-L?

1. Prepare for Top-Down mandates (legislators; administrators)

San Jose State University Begins MOOC Partnerships

Udacity – Remedial Math Courses (50% of entering students don't meet basic academic requirements and need *remedial courses*).

http://www.huffingtonpost.com/2013/01/16/san-jose-state-state-univ_n_2488734.html

edX – San Jose's agreement to expand use of MOOCs

<http://edf.stanford.edu/readings/california-state-u-system-will-expand-mooc-experiment>

Issues at WSU

A. Why consider increased WSU participation in E-L?

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California Senate passes Credit for MOOCs; many unhappy faculty members:

<http://campustechnology.com/articles/2013/06/06/california-bill-allowing-credit-for-moocs-passes-senate.aspx?=-CTELR>

My Comment: The possibility of top-down mandates like this arising in Washington suggests to me we better get our act together – diverse experimentation to find optimum routes



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About WGU



WGU is an accredited online university offering online bachelor's and master's degree programs.

- Respected online degrees. Earn a degree employers value.
- Flexible, online study. You learn when and where it fits your life.
- Affordable, lower tuition. WGU is a nonprofit online university.

News & Events



May 1st - *Los Angeles Times*: "Using technology to fight cheating in online education"

May 1st - *Fast Company* Bill Gates on Education: "We Can Make Massive Strides"

March 18th - WGU featured in *The Atlantic* article: "Imagine No College Debt (It Isn't Hard to Do)"

February 11th - WGU makes *Fast Company* List of Most Innovative Companies 2013

What is Competency-Based Education?



At WGU, you earn your degree based on what you've learned, not how long you've spent in a classroom. We call it competency-based education, and it means you can move quickly through

what you already know so you can focus on what you need to learn.

With competency-based education, your previous college and work experience means you could accelerate your program, saving time and money.

19 Western Governors – 'Love it'.

WGU website

Mandates could come down—politically driven

Issues at WSU

A. Why consider increased WSU participation in E-L?

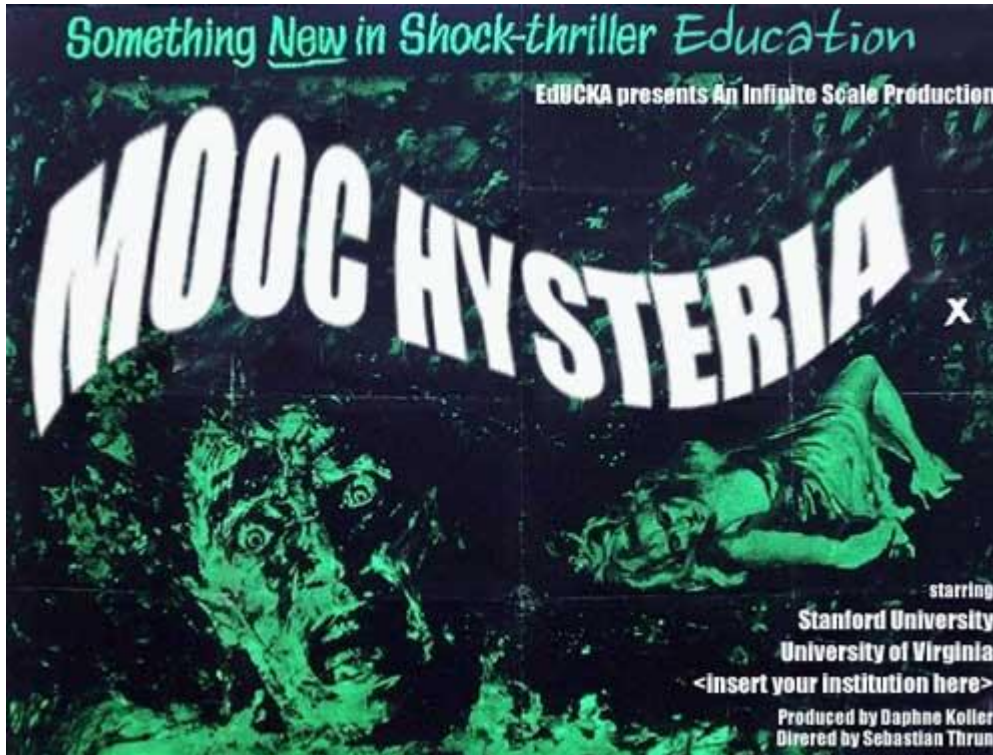
1. *Prepare for Top-Down mandates (legislators; administrators)*
2. Improved Learning?
3. Cost Savings?
4. Possible exposure to the big name schools/professors [rock stars]?
5. Possible creation of WSU rock stars? (publicity)
6. Specialized Courses?
7. Some Employment Advantages?
8. Other(s)?

Issues at WSU

- B. A careful examination of legitimate studies on the plusses and minuses of various E-L forms and platforms.



- C. Consequences and ramifications to the University if significant numbers of E-L courses are adopted for credit.



BackLash

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As E-L classrooms (particularly blended using MOOCs) become more prevalent in the next 10 years, the role of the instructor will transform into one of a “guide on the side” rather than a “sage on the stage.”

San Jose State Philosophy Dept. react to MOOCs.

http://www.nytimes.com/2013/05/03/education/san-jose-state-philosophy-dept-criticizes-online-courses.html?ref=education&_r=0

California Faculty Concerns:

<http://edf.stanford.edu/readings/california-state-u-system-will-expand-mooc-experiment>

Assuming increased use of E-L here at WSU:

(This group could play an important role)

Envision very Open Sessions; Perhaps College Focused

- **SUPPORT and resources needed.**
- **Role of existing resources, e.g., Global Campus.**
- **What features work (e.g., various functions of face-to-face sessions; labs; methods of handling questions; chat rooms, etc.)**
- **What are the problems (opinion: each E-Learning format has issues)**
- **Which platforms (Tegrity, YouTube, iTunes U, Moogler, etc.) should be encouraged at WSU**
- **How to develop and execute E-Learning formats (for sure, curriculum dependent) and challenges. What desktop programs are recommended (e.g., Camtasia) for production?**
- **EVALUATION (Course and Instructor)**
- **Copyright Issues**
- **Other?**

Discussion

- **Comments on where we should focus**
- **Your interests and concerns**
- **Is this useful?**

- **When should we next meet?**