

The Quest for OpenCourseWare

John Dehlin
Director of Outreach
Center for Open and Sustainable Learning
Utah State University

Dream with me for a moment.

Imagine a day when....

From a teacher perspective...



March 2, 2006 3

From a teacher perspective....

A new teacher (K-20), from **anywhere in the world**, can **freely obtain** a highly successful, proven online course to use as the **starting point for their own courses** (feedback loop built-in for improvement)

From a teacher perspective....

A teacher's **influence** could **expand** from their classroom or institution, to the **entire world**

From a teacher perspective....

Top teachers (K-20) and subject matter experts from around the world can **collaborate** to create high quality, **open courses**

(think Linux or Wikipedia--but for courses).

From an enrolled student's perspective...



amanda47, flickr

March 2, 2006 7

For the enrolled student's perspective (K-20)....

Could fully access courses (past, present, and future) to review, "course-shop", get extra practice, or prepare for future

For the informal learner...



March 2, 2006 9

For the informal learner....

From anywhere in the world --
even those without access to
institutions of learning -- can
freely enhance their education

(\$100 laptop, Internet, social software can enable
community and support)

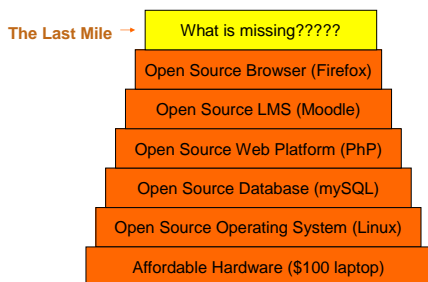
March 2, 2006 10

For the institution....

Some of the \$\$\$ and time
spent on purchasing
and/or developing
proprietary content can be
re-allocated for other uses

March 2, 2006 11

The Globally Scalable eLearning Stack & The "Last Mile"



March 2, 2006 12

Why is the learning “locked up”?

Open Educational Resources (OER)

Inspired by...

- Open Source Software (Linux/Moodle)
- Opencontent.org/Creative Commons
- Wikipedia
- MIT OpenCourseWare

March 2, 2006 14

A bit about me....

- 6.5 years at Microsoft (13 in industry)
– (Yes I met Bill and Steve)
- Personal witness to the **good** and **bad**
of proprietary & closed
- Left Microsoft to join the Open
Educational Resources “movement”

March 2, 2006 15

Where I work/What I do

- Center for Open and Sustainable Learning
- Utah State University (Logan, UT)
- PI: Dr. David Wiley
- Funded by the William & Flora Hewlett Foundation and the NSF
- My Job: Promote and support OpenCourseWare around the world

Founding member of the OpenCourseWare Consortium (working closely w/ MIT & others)

March 2, 2006 16

Open Up!

- Blog, podcast and community
- <http://cosl.usu.edu/openup>
- iTunes

March 2, 2006 17

MIT OpenCourseWare

- Conceived in 1999, launched in 2001
- Funded by the Hewlett and Mellon foundations
- 1,250 courses published to date
- Staff includes management, marketing, faculty recruiting, IT, web design, intellectual property
- Extensive copyright clearing process

<http://OCW.MIT.EDU>

March 2, 2006 18

Characteristics of OpenCourseWare

- Course materials openly shared on Internet as “snapshots”
- Not protected under “fair use”
- Faculty retains full copyright
- Licensed through Creative Commons
 - Attribution
 - Non-commercial
 - Share-alike

March 2, 2006 19

OpenCourseWare Movement No longer just an “MIT Thing”

- China -- 150 universities, 450 courses
- ParisTech -- 11 universities, 150 courses
- Japan -- 7 universities, 140 courses
- U.S. -- 7 universities, over 1,400 courses
- And growing....

OCW Consortium meeting in Japan in April

March 2, 2006 20

Quiz: What software powers MIT OCW?

Answer:
Microsoft Content Management Server

eduCommons

- Open Source OpenCourseWare Management System
- Based on Zope and Plone
- Use case
 - Import existing web course
 - Clear copyright on all materials
 - Design, QA, and Publish via workflow
 - Consistent look and feel for departments and courses
 - Search across course content

March 2, 2006 22



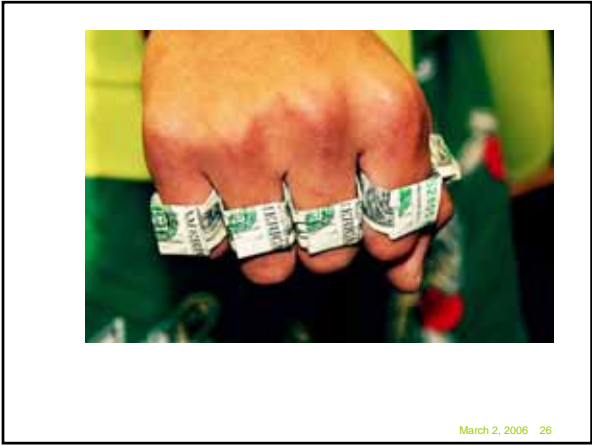
March 2, 2006 23



March 2, 2006 24



March 2, 2006 25



March 2, 2006 26



March 2, 2006 27



March 2, 2006 28



March 2, 2006 29

**Thoughts?
Questions?
Comments?**

Backup



March 2, 2006 32

Increase your reputation as a leader in your field.

Showcase excellent work to a vast group.

Leave an academic legacy for others long after your time.

Learning is expanding. Now you can.

COURSEWARE

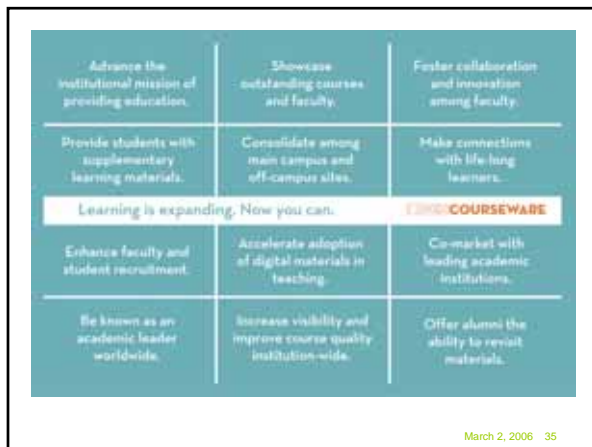
Embrace values of innovation, collaboration and openness.

Benefit learners without impacting your schedule.

Make your work a pillar for others to build upon.

March 2, 2006 33







Increase educational opportunity for those who can't be in the classroom.	Bring a diverse, world-wide group together to reuse and discuss your materials.	Provide students with supplemental learning materials.
Learning is expanding. Now you can.		
Show students what's in your course before they enroll.	Recruit new students by opening access to your course materials.	Maintain relations with former students as they revisit materials.


COURSEWARE

March 2, 2006 37


Increase your reputation as a leader in your field.	Showcase excellent work to a vast group.	Leave an academic legacy for others long after your time.
Learning is expanding. Now you can.		
Embrace values of innovation, collaboration and openness.	Benefit learners without impacting your schedule.	Make your work a pillar for others to build upon.

COURSEWARE

March 2, 2006 38



Robert Brown
Provost



Charles Vest
President

March 2, 2006 39

What OpenCourseWare Is....

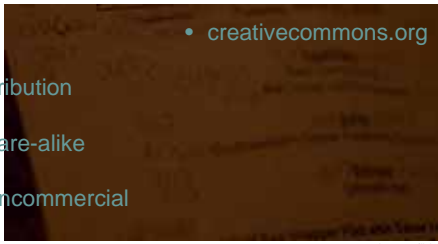
- Syllabus
- Readings
- Lecture notes
- Tests/quizzes
- Slides
- Lectures (video, audio)
- Etc.

Can be full instruction, but doesn't have to be

March 2, 2006 40

Licensing

- Attribution
- Share-alike
- Noncommercial

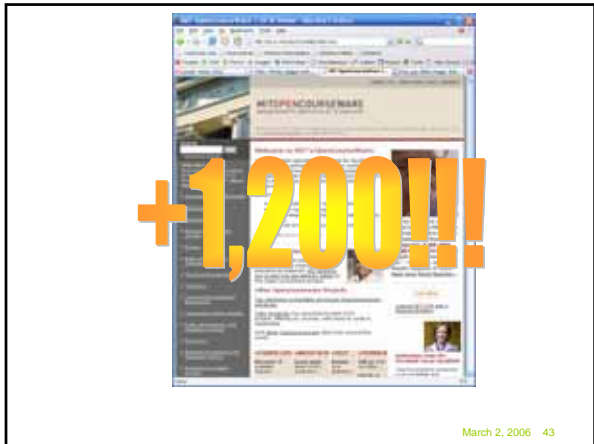


March 2, 2006 41

What OpenCourseWare Is NOT....

- For-credit coursework
- Providing access to professors
- Protected under "fair use"

March 2, 2006 42



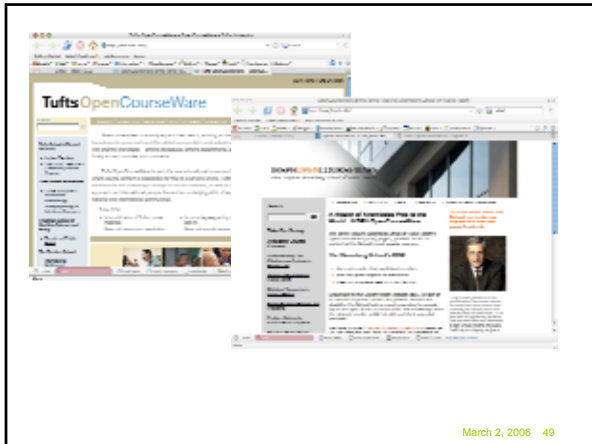
March 2, 2006 43



March 2, 2006 44



March 2, 2006 45



March 2, 2006 49



March 2, 2006 50

Why participate in OCW?

- What's in it for me?



Reasons to participate (External)

- Advance institutional mission
- Increase awareness of departments and professors
- Opportunities for external collaboration
- Broaden the impact of your collective work
- Preserve your legacy

March 2, 2006 53

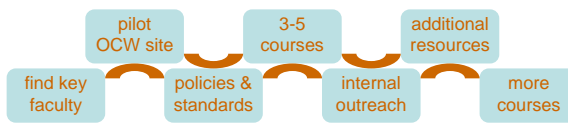
Reasons to participate (Internal)

- More transparency
 - Good for students
 - Shop for classes
 - Decrease drop-rates
 - Higher satisfaction
 - Good for professors
 - Discover opportunities for internal collaboration
 - Friendly encouragement to keep courses current, and of high quality

March 2, 2006 54

How does it work?

A Loose Pattern



March 2, 2006 56



March 2, 2006 57



March 2, 2006 58



March 2, 2006 59

hi, i just graduated this year from Carleton University majoring in Engineering. i am interested in doing the Math courses and maybe some electronic course later. i chose the Lecture 4 in Differential Equations.

March 2, 2006 60

hi,i am glad to be here, i am a postgraduate of china mainland, i major in Molecular Biology . i have a long experience of listening english radio for many years. i think i can do some here, and i will do my best.

March 2, 2006 61



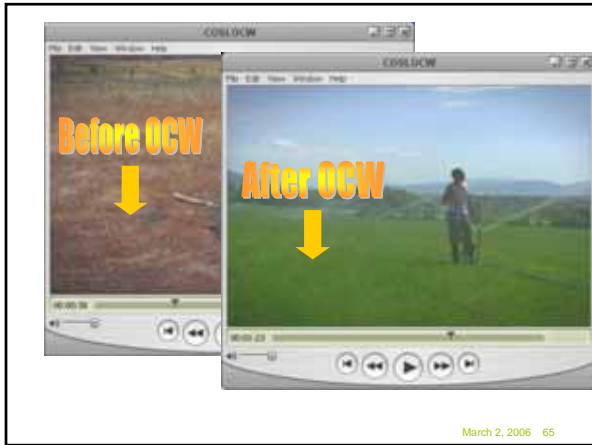
March 2, 2006 62



March 2, 2006 63



March 2, 2006 64



March 2, 2006 65

The Case for OpenCourseWare

- John Dehlin
- Director of Outreach
- Center for Open and Sustainable Learning
- Utah State University

Freight Economics Teaching Program **CULBRIGHT**

Developed by the Transportation Institute of Technology's Open-Source Model Institute (OSMI), which offers free, publicly available online courses that promote research in cutting-edge topics such as research, infrastructure, operations, and program cost effectiveness, and a variety of infrastructure-related topics.

OSMI's Freight Economics (FE) course covers the entire freight trade, operations, and pricing, and offers a variety of options for students and faculty alike. The course is open to students at faculty members of the Institute of Technology (IOT) in the fall of 2010. Students can also attend the course in their own institutions, at locations that are open to public institutions. In short, you can take the course in person or online. The course is available in a variety of ways, including:

- Fall of 2010 (FE) course
- Fall of 2010 (FE) course - Fall semester
- Fall of 2010 (FE) course - Spring semester
- Fall of 2010 (FE) course - Year schedule

For more information on the course, visit the website at www.culbright.edu.

© 2010 Transportation Institute of Technology's Open-Source Model Institute. All rights reserved.

March 2, 2006 67
