OpenCourseware’s Place in the Second Revolution
June 11, 2008

Gary W. Matkin
Dean, Continuing Education
University of California, Irvine
Primary Objective

Understand the phenomenon and implications of universal, ubiquitous, constantly available learning
The Second Revolution in Teaching and Learning
The First Revolution

The Printed Word & Images + The Dewey Decimal System
The Second Revolution

The Digitized Word and Images + Google Search
What Caused the Revolution?

Pervasive use of computers, the Internet, and telecommunications in everyday life permeates education at all levels.
Profound Effects of the Second Revolution

- Self-Publishing
- World Wide “Free” Distribution
- Availability of Information
- Need for Finding Information
- Need for Making Sense of Huge amounts of information
- Ease of Updating
- Just-in-time Display
Open vs. Closed

- Universities were known as the creators and guardians of knowledge
  - Owning knowledge created intellectual property and maintained the university’s legitimacy and power
- Content becomes commercialized and Universities begin to understand the importance of sharing information
Lesson I
The Context for Online Education

Objective

– Understand teaching and learning in a personal and institutional context
– Understand the hierarchy of learning objectives in "sense making"
The Sense Making Hierarchy

- Knowledge
- Curricula (Degrees)
- CourseWare (OCW)
- Instructional Design
- Education Materials (OEM)
- Information/Content

Combine OCW
Information and Knowledge

- Knowledge begins with information
- But, information needs to be transformed
  Usually through some form of learning or interaction with knowledge
What is Our Role?
“Sense-Making”

• We know instinctually that, while information may be necessary to acquire knowledge — knowledge is really the ability to use information in meaningful ways

• As educators, it is our responsibility to create a “sense-making” experience
Developing Learning Pathways

**Selection** of engaging learning objects

- textbook
- project
- quiz
- test
- laboratory
- lecture
- role play
- video
- problem set
- exercise
- field trip
- Internet
- CD
- lecturette
- simulation
- case study

**Sequencing**

A path of engaging learning activities, *tied together by a coherent narrative thread*, creates a quality learning experience.
Defining the Context

- The Context of Audience
- The Context of Learning Place
- The Learning Pathway Context
Lesson II
The World of Online Learning

Objectives

– Understand the variety of online courses
– Understand the “dynamics” of online learning and the field of choices
Features

Features

Barriers

UCIrvine | Extension
The Challenge...
Finding the “sweet spot”
# Features & Barriers of Open Textbooks & Courseware

<table>
<thead>
<tr>
<th>Features</th>
<th>Barriers</th>
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<tbody>
<tr>
<td>Dynamic</td>
<td>Initial Cost &amp; Resources</td>
</tr>
<tr>
<td>Increased Student Engagement</td>
<td>Inertia</td>
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<tr>
<td>Creation of Communities</td>
<td>Technology</td>
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<tr>
<td>Measure Student Outcomes</td>
<td>Distribution &amp; Discoverability</td>
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<tr>
<td>Improve Teaching Practice</td>
<td>Digital Divide</td>
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<tr>
<td>Supplemental Learning Resources</td>
<td>Lack of Quality Standards</td>
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<td></td>
<td>IP &amp; Digital Rights Mgmt</td>
</tr>
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<td>Politics</td>
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</tbody>
</table>
Static Course Examples

- **Open Learn** – Mathematics in Egyptian History
- **Johns Hopkins** – Malariology
- **Carnegie Mellon** – Statistics
Go to UC for free, on Google Video

BERKELEY CAMPUS SHARES 100 INTRODUCTORY COURSES

By Lisa M. Krieger
Mercury News

The best of college is now available, for free, without unpleasantness such as 8 a.m. classes, pop quizzes or term papers.

In a new deal with Google Video, the University of California-Berkeley is sharing with the public, via the Internet, dozens of videotaped seminars, speeches, special events and even entire courses taught by some of the campus’ leading professors.

“It’s click and play,” said Dan Mogulof, director of public affairs at the university.
Video Capture
UC Berkeley

Tour
Designed Course

University of California

*Introduction to Intellectual Property* Designed by UCI DLC
Lesson III

Why OCW?

Objectives

– Understand the purpose and appeal of OCW
– Understand the world response to OCW
The Reality of OER

Much of the existing developed learning content has:

- Low commercial value
- High social value
Expression of the Revolution

Goal of OER Movement

To make the entire sum of human knowledge available to everyone, anywhere, at any time — for free
The Sense Making Hierarchy

- **Knowledge**
- **Curricula (Degrees)**
- **CourseWare (OCW)**
- **Instructional Design**
- **Education Materials (OEM)**
- **Information/Content**
Unlocking Knowledge, Empowering Minds.

MIT is committed to advancing education and discovery through knowledge open to everyone.

OCW shares free lecture notes, exams, and other resources from more than 1800 courses spanning MIT's entire curriculum.

"This fantastic teaching resource is very useful for physicists working in the developing world."
- Educator, South Africa

OCW is grateful for the support of:

Ab Initio and OpenCourseWare: Built on fundamentals

NEWSLETTER

Sign up for monthly updates on courses and news
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
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<tr>
<td>2004</td>
<td>OCW adopts Creative Commons license. Other institutions work with MIT to create their own OCWs. First mirror site established in Africa.</td>
</tr>
<tr>
<td>2005</td>
<td>OCW begins updating previously published courses. OCW wins over a dozen major awards. OpenCourseWare Consortium formed.</td>
</tr>
<tr>
<td>2006</td>
<td>OCW Consortium meets in Kyoto, portal launched. OCW Secondary Education concept developed. Thai translations added.</td>
</tr>
<tr>
<td>2008</td>
<td>200 new and updated courses per year.</td>
</tr>
</tbody>
</table>
Usage Statistics

MIT OpenCourseWare is being successfully used for a wide range of purposes.

<table>
<thead>
<tr>
<th>Use Scenario</th>
<th>% of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Educators</strong></td>
<td></td>
</tr>
<tr>
<td>Enhance personal knowledge</td>
<td>25.0%</td>
</tr>
<tr>
<td>Develop a course</td>
<td>22.8%</td>
</tr>
<tr>
<td>Prepare for a specific course</td>
<td>17.8%</td>
</tr>
<tr>
<td>Enhance research</td>
<td>13.8%</td>
</tr>
<tr>
<td>Other</td>
<td>20.6%</td>
</tr>
<tr>
<td><strong>Students</strong></td>
<td></td>
</tr>
<tr>
<td>Complement a course they are currently taking</td>
<td>43.7%</td>
</tr>
<tr>
<td>Enhance personal knowledge</td>
<td>32.1%</td>
</tr>
<tr>
<td>Plan a course of study</td>
<td>12.4%</td>
</tr>
<tr>
<td>Other</td>
<td>11.9%</td>
</tr>
<tr>
<td><strong>Self Learners</strong></td>
<td></td>
</tr>
<tr>
<td>Enhance personal knowledge</td>
<td>58.1%</td>
</tr>
<tr>
<td>Keep current with developments in their field</td>
<td>17.9%</td>
</tr>
<tr>
<td>Plan a future course of study</td>
<td>10.8%</td>
</tr>
<tr>
<td>Other</td>
<td>13.2%</td>
</tr>
</tbody>
</table>
MIT Offers All Course Material Online

View announcement from the President of MIT
Goals of the OCWC

- Extend the reach and impact of OpenCourseWare by encouraging the adoption and adaptation of open educational materials around the world
- Foster the development of additional OpenCourseWare projects
- Ensure the long-term sustainability of OpenCourseWare projects by identifying ways to improve effectiveness and reduce costs
The Role of the OCWC

- An OpenCourseWare is a free and open digital publication of high quality educational materials, organized as courses.

- The OpenCourseWare Consortium (OCWC) is a collaboration of more than 100 higher education institutions and associated organizations from around the world creating a broad and deep body of open educational content using a shared model.

- The mission of the OpenCourseWare Consortium is to advance education and empower people worldwide through Opencourseware.
Global Reach

52 million visits by 40 million visitors from virtually every country.

OCW is accessed by a broadly international population of educators and learners.

MIT OpenCourseWare averages 1 million visits each month; translations receive 500,000 more.

Visitors from all over the world use OpenCourseWare:
OCWC Traffic

Overall movement traffic

- Other OCWs
- MIT Translations
- MIT

UCIrvine | EXTENSION
Lesson IV
UC Irvine’s Response to OCW

Objectives

1. Understand what we have done so far
2. Understand UC Irvine’s particular approach and uniqueness
3. Understand the positive effects so far
UC Irvine’s OCW Project

- UC Irvine launched its OpenCourseWare initiative on November 30, 2006
  - By joining the OpenCourseWare Consortium
  - Launching its own OCW site: ocw.uci.edu
- UC Irvine is the first UC campus to join the consortium and is also the only West Coast university to participate in the movement
UC Irvine’s OCW Mission

- To meet the University’s desire to play a significant role in the contribution to the social welfare of the state, the nation, and the world
- To showcase the University’s top instructional efforts and make those course materials free on a global scale to educators, students, and self-learners
- To create educational assets that are discoverable, searchable, and modifiable under Creative Commons licenses
A Revolution

The University of California, Irvine has a long history of social engagement. As a leading public research university, an important part of its mission is to showcase and disseminate the research and scholarship of the University to the public.

Open educational content is a concept that will advance human knowledge, creativity, lifelong learning, and the social welfare of educators, students, and self-learners across the globe.

About the Movement

OpenCourseWare (OCW) is a free and open digital publication of high quality university-level educational materials, often including syllabi, lecture notes, assignments and exams. Open educational resources are based on the notion that knowledge and education are common goods that must be supported by a defined community.

While OCW initiatives typically do not provide a degree, credit, certification, or access to instructors, the materials are made available, for free, under open licenses for use and adoption by educators and learners around the world.

Our Contribution

As a proud member of the OCW Consortium, the University of California, Irvine strives to meet the following goals:

- To meet the University of California’s desire to play a significant role in the contribution to the social welfare of the state, the nation and the world
- To showcase the University’s top instructional efforts and make those course materials freely available on a global scale to educators, students, and self-learners
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UC Irvine
OpenCourseWare Consortium

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## Models of OCW

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Course Traffic – Annual Recap

Web Trends showed the following data for “courses visited” from 11/30/06 – 12/31/07

- Fundamentals of PFP  28,457
- CSET  2,892*
- Spa Operations  1,885
- Fundamentals of BA  834

*These were visits to landing page since courses haven’t been live
Incoming Traffic

- Since the site launched on November 30, 2006, **73,618** have visited (*over 250 unique visitors per day*)
  - 80% of this traffic originated within the United States, the balance came from international visitors
- UC Irvine’s OCW Web site receives the majority of its traffic from the following sites:
  - Direct Traffic 43.52%
  - **OCW Consortium** 31.28%
  - Kiplinger 3.81%
  - unex.uci.edu 3.34%
  - Google 2.44%
  - ocw.jhsph.edu 0.60%
  - ocw.nd.edu 0.57%
The Future...
The Next Step with Externally Created OCW we can achieve the…

Create Intellectual Property

High Ed Effectiveness

High Costs

Best of Both

Lower Uniformity

Lower Costs

Teacher Created Content Captured

UCIrvine Extension
Atoms & Heat
Open Educational Resources

Defined

- High quality digitized materials
- Freely available on the web for use and re-use
- Focused on teaching, learning and research
- Tools for creating, using, re-using and sharing
Problems in OER Movement

• Discoverability

• Confusion regarding:
  – What is a course?
  – What is open?
  – What is context?
Problems in OER Movement

• IP Mgmt Issues
  – Open
  – Open with attribution
  – Open for commercial and non commercial use
  – Open with derivative works
  – Share and share alike

• Difficult to combine learning objects from various sources and create context
Google's project to turn book collections from five major libraries into searchable digital content marks the latest shift toward moving search engines beyond the Web, experts say. Not content with organizing billions of Web documents, Google Inc. is leading the charge in turning library collections into searchable digital content.

In announcing Tuesday that it is working with five major libraries to scan millions of books for inclusion in its Web index, Google opened another battle in the intense competition among the leading search engines.

Its major search competitors will likely respond by further expanding their own indexes with sources outside of traditional Web pages, analysts said.

Meanwhile, Google's step into becoming a digital library drew enthusiasm as well as uncertainty from librarians. They were optimistic that the project would raise the profile on libraries in the age of the Internet but worried that book collections might get lost in the sea of searchable information on Google.

"This is valuable content," said Allen Werner, a research director at Harper.
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About Web Collections

Web Collections
More about the Wayback Machine
Terms, Privacy, Copyright
Contact Us
Frequent Asked Questions

Web Collaborations

The Internet Archive is working to preserve the Internet by a new medium with major historical significance and other "born-digital" materials from disappearing into the past. Collaborating with institutions including the Library of Congress and the Smithsonian, we are working to preserve a record for generations to come.

Smithsonian Institution's 1996 US Election Display

A display at the Smithsonian Institution shows how presidential candidates and parties first used the Web. The display includes 1996 campaign pages for five political parties — as well as pages such as the "Steve Forbes Official Home Page" and the "Official Internet Headquarters of the [Pat] Buchanan Brigade," which were captured before some candidates dropped out of the race and scaled back or shut down their sites.

The display also includes pages from the Federal Election Commission site with financial information about candidates, parties, and political action committees.

World Wide Web 1997: 2 Terabytes in 63 Inches

What would a snapshot of the Web look like? Visitors passing through the lobby of the Library of Congress get the picture when they see a sculpture — a stack of computer screens and tapes housing a snapshot of the Web in early 1997 — by Alan Rath. The Internet Archive is proud to have part of its collections in the Library of Congress.

Daily gift of Mozilla Internet
'Coursecasting' now a higher-education staple
Universities increasingly are turning lectures into podcasts

By Laura Devaney, Associate Editor, eSchool News

Delivering lectures via podcasts no longer is the province only of those universities on the cutting edge of technology. Through the use of software and programs that make it easy to produce and distribute podcasts, colleges and universities increasingly are making course lectures available for downloading online.

Most of today's college students are "digital natives" who have been surrounded by technology nearly their entire lives, and they expect their college or university to create a collaborative experience that integrates familiar technologies such as podcasting and on-demand video into their learning environment, supporters of the phenomenon explain. Their beliefs are supported by data: Three of four young adults download and view Internet videos daily, according to the Pew Internet and American Life Project, while Burst Media reports that college students spend more time online than they do using any other form of media, including TV and radio.

At the University of California at Berkeley, a survey of incoming freshman this past fall revealed that students considered podcasting to be just as important as wireless Internet access or campus eMail. Video podcasting storage and distribution via Apple's iTunes U and Google's YouTube have necessitated a scalable network for Berkeley's open-content initiative: webcast.berkeley.
State offers free online high school courses
Connecticut becomes the latest to launch a virtual-schooling program

From eSchool News staff and wire service reports

Primary Topic Channel: Virtual schooling / Distance Learning

Beginning this month, high school students in Connecticut can enroll in free online courses through a pilot program called the Connecticut Virtual Learning Center.

The courses are aimed at students at risk of falling behind as well as those who are interested in electives not offered at their own schools. Each Connecticut high school will decide whether to give students credit for taking the courses.

The pilot program offers courses in basic subjects, taught by state-certified teachers, for students who need credits to graduate. It also offers other electives, such as Mandarin Chinese and "Shakespeare in Film," through a partnership with an out-of-state virtual-schooling provider.

The idea is to allow students who have fallen behind to catch up online rather than in summer school and also to provide interesting electives that are not widely available.

"We want to use online courses to increase access to high-quality content, so that every student in Connecticut will have..."
Another book-scanning project rivals Google's
Universal Digital Library boasts free access to more than 1.5 million books online

From eSchool News staff and wire service reports

Nearly a decade ago, computer scientists at Carnegie Mellon University embarked on a project with an astonishingly lofty goal: Digitize the published works of humankind and make them freely available online.

The architects of the Universal Digital Library initiative on Nov. 27 said they have surpassed their latest target, having scanned more than 1.5 million books—many of them in Chinese—and are continuing to scan thousands more daily.

“Anyone who can get on the internet now has access to a collection of books the size of a large university library,” said Raj Reddy, a computer science and robotics professor at the university who led the project.

Much of the recent work in the Million Book Project has been carried out by workers at scanning centers in India and China, helped by $3.5 million in seed funding from the U.S. National Science Foundation and in-kind contributions from computer hardware and software makers.

The United States, China, and India each have contributed $10 million to the project, undertaken with partners at
Take Harvard Classes, And Without All the Harvard People


A new website dedicated to hosting interactive academic blogs for Harvard classes, TheFinalClub.org, recently launched. While a good deal of the site slants to the humanities side of academe, with dozens of annotated canonical texts, there's something for the WiSci reader as well, in particular a fantastic blog dedicated to Jon Clardy and Stuart Schreiber's non-specialist molecular biology class, Science B47: The Molecules of Life.

Full disclosure: the site is the brainchild of my old friend, Drew Maglozzi, son and nephew of Ray and Tom Magloczzi (aka Click and Clack) from NPR's CarTalk. We met while drinking excessively studying at (gulp) Harvard.

The core idea of the site is to provide blogs of each lecture of a selection of Harvard classes. Presumably, combined with the syllabus, you could get a pretty full learning experience, without actually attending lecture. One could even say that your author tested this very theory (but without this website) and it totally worked.
In age of e-learning, Yale's peers open classrooms to public

Hilary Faxon
Staff Reporter
Published Wednesday, January 23, 2008

With the rising popularity of online academic resources available to the public, all that is necessary now to sit in on an Ivy League lecture or complete notes with a Massachusetts Institute of Technology undergraduate is a computer and an Internet connection.

Recent years have seen the rise of e-learning opportunities offered by the nation's top colleges and by institutions around the globe. Initiatives such as MIT's OpenCourseWare Web site and the popular Epsilen Environment networking site integrate technology into educational systems and help open up university material and resources to a wider, cyberspace community.

Launched in 2002, MIT's OpenCourseWare Web site — which offers the public all of MIT's academic resources for free — now contains materials, including video and student projects, for almost all of its 1,800 classes, said Steve Carson, external relations director of MIT's OpenCourseWare Web site. The University of Notre Dame, Tufts University and approximately
MIT and the OCW Movement

• “MIT OpenCourseWare is an idea - and an ideal - developed by the MIT faculty who share the Institute's mission to advance knowledge and educate students in science, technology, and other areas of scholarship to best serve the world.

• In 1999, the Faculty considered how to use the Internet in pursuit of this goal, and in 2000 proposed” OCW.
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  - OCW Consortium 31.28%
  - Kiplinger 3.81%
  - unex.uci.edu 3.34%
  - Google 2.44%
  - ocw.jhsph.edu 0.60%
  - ocw.nd.edu 0.57%
Lead Generation

• A prospecting function was added to the OCW courses pages on 7/17 to generate inquiries for instructor-led UNEX courses
  – 124 leads generated, majority for CSET
• 6,337 visitors from the OCW site entered the UNEX site (7/17 – 12/31)
  – ocw.uci.edu #7 referrer
  – OCWC site #6 referrer with 9,749 visitors
• **OCW was the best performing UNEX “campaign”** between 7/17 – 12/31 and has generated $6,815 in revenue from enrollments to date
UC Irvine Extension
The Online Experience

- Project Management Certificate Program
- University of California IP Course
- Fundamentals of Financial Planning
What’s Next on UCI OCW

• Addition of UC Approved High School AP and Honors Courses
• Addition of (2) CSET Math Subtest Courses and (8) CSET Science Subtest Courses
Advantages of OCW at UC Irvine

- OCW provides potential funding agencies with attractive and useful opportunities for disseminating research results
- OCW is a funding target in itself for public service
- OCW provides faculty and researchers a place to deposit and have seen the results of their work in creating teaching and learning material
- OCW provides a vehicle to training incumbent staff and faculty
Examples

• Carnegie Mellon Stats Course
## Most Visited Courses

<table>
<thead>
<tr>
<th>MIT Course #</th>
<th>Course Title</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.01</td>
<td>Physics I: Classical Mechanics</td>
<td>Fall 1999</td>
</tr>
<tr>
<td>8.02</td>
<td>Electricity and Magnetism</td>
<td>Spring 2002</td>
</tr>
<tr>
<td>18.06</td>
<td>Linear Algebra</td>
<td>Spring 2005</td>
</tr>
<tr>
<td>6.002</td>
<td>Circuits and Electronics</td>
<td>Fall 2000</td>
</tr>
<tr>
<td>6.046J</td>
<td>Introduction to Algorithms (SMA 5503)</td>
<td>Fall 2005</td>
</tr>
<tr>
<td>18.03</td>
<td>Differential Equations</td>
<td>Spring 2006</td>
</tr>
<tr>
<td>8.01</td>
<td>Physics I</td>
<td>Fall 2003</td>
</tr>
<tr>
<td>8.03</td>
<td>Physics III: Vibrations and Waves</td>
<td>Fall 2004</td>
</tr>
<tr>
<td>6.001</td>
<td>Structure and Interpretation of Computer Programs</td>
<td>Spring 2005</td>
</tr>
<tr>
<td>7.012</td>
<td>Introduction to Biology</td>
<td>Fall 2004</td>
</tr>
<tr>
<td>18.01</td>
<td>Single Variable Calculus</td>
<td>Fall 2005</td>
</tr>
<tr>
<td>18.085</td>
<td>Mathematical Methods for Engineers I</td>
<td>Fall 2005</td>
</tr>
<tr>
<td>9.00</td>
<td>Introduction to Psychology</td>
<td>Fall 2004</td>
</tr>
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<td>21F.101</td>
<td>Chinese I (Regular)</td>
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</tr>
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Information & Knowledge
Static vs. Dynamic

Static Digitized Textbook  Point A  Super Open Course

Features  Barriers

(More Features create more Barriers)
CAMBRIDGE, Mass. — Walter H. G. Lewin, 71, a physics professor, has long had a cult following at **M.I.T.** And he has now emerged as an international Internet guru, thanks to the global classroom the institute created to spread knowledge through cyberspace.

Professor Lewin’s videotaped physics lectures, free online on the OpenCourseWare of the
Universities working together to advance education and empower people

~ 3,310 Courses (January 2007)

Dalian 2008 OCWC Conference
Jan. 2007: 47% of OCWC Courses from MIT
Today: 71% of Courses from Other Members
Monthly Visits: April 2007

Dalian 2008 OCWC Conference
Universities working together to advance education and empower people

~ 6,208 Courses (April 2008)

82% Growth
Universities working together to advance education and empower people worldwide through opencourseware.

OCW Defined – What is an OpenCourseWare?

OpenCourseWare - A free and open digital publication of high-quality educational materials, organized as courses.

Doing OCW
Affiliated w/ OCWC
OCWC Member

Open Sharing, Global Benefits
Universities working together to advance education and empower people worldwide through opencourseware.

Growth of Institutions “Doing OCW”

Affiliated w/ OCWC
OCWC Member

Doing OCW
45 Universities on iTunes
Student support (pressure)
Universities working together to advance education and empower people worldwide through opencourseware.

Doing OCW

Affiliated w/ OCWC

OCWC Member

Growth of Institutions Affiliated with the OCWC
Universities working together to advance education and empower people

108 Institutions Associated w/ OCWC in 2007

University of Klagenfurt
Capilano College
China Open Res. for Education
• Beijing Hang University
• Beijing Jiao Tong University
• Beijing Normal University
• Beijing Science & Tech. Univ.
• Central Radio and TV Univ.
• Central South University
• China Mining University
• China People’s University
• China Science & Tech. Univ.
• Dalian University of Tech.
• Fu Dan University
• International Business & Econ. Univ. of China
• Nanjing University
• North-East University
• North-West University
• North Western Polytech. Univ.
• Peking University
• Shanghai Jiaotong University
• Sichuan University
• Tianjin University
• Tsinghua University
• Xi’an Jiao Tong University
• Zhejiang University
Plus more than 200 others

ParisTech OCW
• Agronomie
• Arts et Métiers
• Chimie Paris
• Eaux et Forets
• Ecole des Mines de Paris
• Ecole Polytechnique
• Physique-Chimie France
• Ponts et Chausse
• Statistiques et Economie
• Techniques Avance
• Telecom Paris

IIT Bangalore
National Programme on Tech. Enhanced Learning

Japan OCW Consortium
• Doshisha University
• Hokkaido University
• Kansai University
• Keio University
• Kyoto University
• Kyushu University
• Nagoya University
• Osaka University
• Tokyo Institute of Technology
• University of Tokyo
• University of Tsukuba
• Waseda University
United Nations University

Universia OCW
• Universidad Alicante
• Universidad Aveiro
• Universidad Barcelona
• Univ. Carlos III de Madrid
• Universidad Islas Baleares
• Universidad Jaume I
• Universidad Murcia
• Universidad Oviedo
• Univ. Politécnica de Madrid
• Univ. Politécnica de Valencia
• Universidad Rovira i Virgili
• Univ. Santiago de Compostela
• Universidad Sevilla

Alfaisal University
University of the Western Cape

Open University UK

Defense Acquisition University
Johns Hopkins Bloomberg
School of Public Health
Massachusetts Institute of Tech.
Michigan State University
Tufts University
University of California, Irvine
U. of Mich. School of Information
University of Notre Dame
Utah State University
Utah Valley State College
Wheelock College

Univers. Central de Venezuela
Fulbright Econ. Teaching Prog.
Vietnam OpenCourseWare
• Can Tho University
• Da Nang University
• Hanoi Agriculture Univ. No. 1
• Hanoi Education University
• Hanoi Medical University
• Hanoi Nat. Univ. of Economics
• Hanoi University of Technology
• HCMC Education University
• HCMC Medical University
• HCMC University of Economics
• Hue University
• Thai Nguyen University
• Vietnam Nat. University – Hanoi
• Vietnam Nat. Univ. – HCMC

African Virtual University
Chulalongkorn University
Creative Commons
Fahamu
Institute for Electronic Governance
National Institute of Multimedia Education (Japan)
OpenSource OpenCourseware Prototype System
Thailand Cyber University
WiderNet Project eGranary Digital Library

Dalian 2008 OCWC Conference
Over 250 associated institutions in the OCW movement today
Welcome to CORE

CORE—China Open Resource for Education—is a non-profit organization. Her mission is to promote closer interaction and open sharing of educational resources between Chinese and international universities, which CORE envisions as the future of world education.

CORE is committed to providing Chinese universities with free and easy access to global open educational resources.

MIT OpenCourseWare, since its inception in 2002, has become the world model of educational sharing. Together, CORE and MIT have brought OCW to China. CORE has developed partnerships with international organizations and Chinese universities to enhance higher education in China, promote open sharing of educational resources in China, and share Chinese OCW globally. It achieves this through a variety of programs including establishing Lead Universities, translation, quality control, localization, and utilization of open educational resources.

CORE most values open sharing and partnership and will assist the Chinese universities to share alike.
Chương trình Học liệu mở Việt Nam (Vietnam OpenCourseware Program)

...có mục tiêu làm cho Học liệu mở có nội dung phong phú, có thể sử dụng, tái sử dụng và truy nhập miễn phí trước hết trong môi trường giảng dạy, học tập và nghiên cứu sau đó cho toàn xã hội. (Mission of VOCW is to make the OpenCourseWare features rich, useable, re-useable, and accessible at no cost firstly for academic environment, and later on to all in the society)

...là nơi cho phép xem và chia sẻ các tài liệu, giáo trình được tạo thành/sắp xếp từ các khối kiến thức nhỏ. Bất kỳ ai cũng có thể xem hoặc đóng góp nội dung cho học liệu mở này - is a place to view and share educational material made of small knowledge chunks called modules that can be organized as courses, books, reports, etc. Anyone may view or contribute:

- Các tác giả – Authors: tạo mới nội dung và làm việc cùng tác giả – create and collaborate
- Các giảng viên – Instructors: nhanh chóng xây dựng và chia sẻ giáo trình, bài giảng theo cách của mình – rapidly build and share custom collections
- Những người học – Learners: tìm kiếm và khám phá nội dung – find and explore content

Xem thêm (more)
Universities working together to advance education and empower people worldwide through open courseware.

Doing OCW

Affiliated w/ OCWC

OCWC Member

Growth of OCWC Members
Terms for OCWC Membership

- Accredited institution in your country
- Agree to work towards publishing 10 Courses on your OCW Site (within 2 years)
- Agree to support the OCWC
- Consortium agreement signed by appropriate person at institution
129 official OCWC members

-- 104 Institutions
-- 25 Affiliates

(Another 15 up for review)
OCWC Live Sites -- January 2007

- 60 live OCW sites
- 3,300+ published courses
Over 100 Live OCW Sites in 10 Languages

- Over 100 live OCW sites
- 6,200+ published courses, 400+ translated into 10 languages
- 2,500,000+ visits/month