Open Courseware and the University of California
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University of California, Irvine
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.

OCW is grateful for the support of:

MIT OpenCourseWare launches
Highlights for High School

Visit the site
Read the announcement

Ab Initio
Built on Fundamentals

Become a corporate sponsor
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<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>
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:
### 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>

*UCIrvine Extension*
 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
• X’ian 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

IIIT 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

Univ. Nac. Mayor de San Marcos

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

Univ. 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

Slide 6
Over 250 associated institutions in the OCW movement today
Universities working together to advance education and empower people

~ 3,310 Courses (January 2007)
Universities working together to advance education and empower people

Jan. 2007: 47% of OCWC Courses from MIT

Graph showing the growth of OCWC courses from 2003 to 2008, with a peak in Jan. 2007 where 47% of courses were from MIT.
Today: 71% of Courses from Other Members
~ 6,208 Courses (April 2008)

Growth

82%
Monthly Visits: April 2007
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
45 Universities on iTunes
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
- To create educational assets that are discoverable, searchable, and modifiable under Creative Commons licenses

© Copyright 2007. All rights reserved.
Go to UC for free, on Google Video

BERKELEY CAMPUS SHARES 100 INTRODUCTORY COURSES

By Lisa H. Kreiger
Mercury News

The best of college is now available, for free, without unpleasantries 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.
# Models of OCW

<table>
<thead>
<tr>
<th></th>
<th>MIT</th>
<th>UCB</th>
<th>UCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Design</strong></td>
<td>Highly valuable</td>
<td>Recorded lectures</td>
<td>Fully designed learning pathways</td>
</tr>
<tr>
<td><strong>Courses Designed for</strong></td>
<td>University students</td>
<td>University students</td>
<td>Adult learners</td>
</tr>
<tr>
<td><strong>Course Content</strong></td>
<td>Degree courses</td>
<td>Degree courses</td>
<td>Degree courses + special non-univ audiences</td>
</tr>
<tr>
<td><strong>Services Offered</strong></td>
<td>None</td>
<td>None</td>
<td>“Click to enroll”</td>
</tr>
</tbody>
</table>
Three Questions

1. What are the factors driving this increased interest in OCW?
2. What are the benefits to an institution to offer Open Courseware?
3. Why should UC be involved?
Factors Driving the OCW Movement

1. Lofty Visions
Factors Driving the OCW Movement

Lofty Visions

To make the entire sum of human knowledge available to everyone, anywhere, at any time – *for free*
Factors Driving the OCW Movement

Lofty Visions

What is the world going to do with the estimated 1 billion people in developing countries who want and can benefit from higher education?

What will happen if they can’t get it?
Factors Driving the OCW Movement

1. Lofty Visions
2. Some Barriers to Involvement Being Removed
Factors Driving the OCW Movement

Some Barriers to Involvement Being Removed

Much of the existing developed learning content has:

- Low Commercial Value
- High Social Value
Creative Commons Licenses Soar

(millions)

2002  2003  2004  2005
Factors Driving the OCW Movement

1. Lofty Visions
2. Some Barriers to Involvement Being Removed
3. The Compelling Nature of the Technology Imperative
Factors Driving the OCW Movement

The Compelling Nature of the Technology Imperative

• Self-Publishing
• World Wide “Free” Distribution
• Availability of Information
• Ease of Updating
• Just-in-time Display

• Need for Finding Information
• Need for Making Sense of Huge Amounts of Information
The OCW Institutional Value Proposition

1. 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

2. To showcase the University’s top instructional efforts and make those course materials free on a global scale to educators, students, and self-learners

3. OCW provides faculty and researchers a place to deposit and have seen the results of their work in creating teaching and learning material
The OCW Institutional Value Proposition

4. OCW provides potential funding agencies with attractive and useful opportunities for disseminating research results

5. OCW is a funding target in itself for public service

6. OCW provides a vehicle for training incumbent staff and faculty

7. UC, by contributing its own material, can more fully and legitimately take advantage of material produces elsewhere

8. Strategic connections will drive traffic to our OCW sites
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http://unex.uci.edu/courses/ocw/

http://www.ocwconsortium.org/