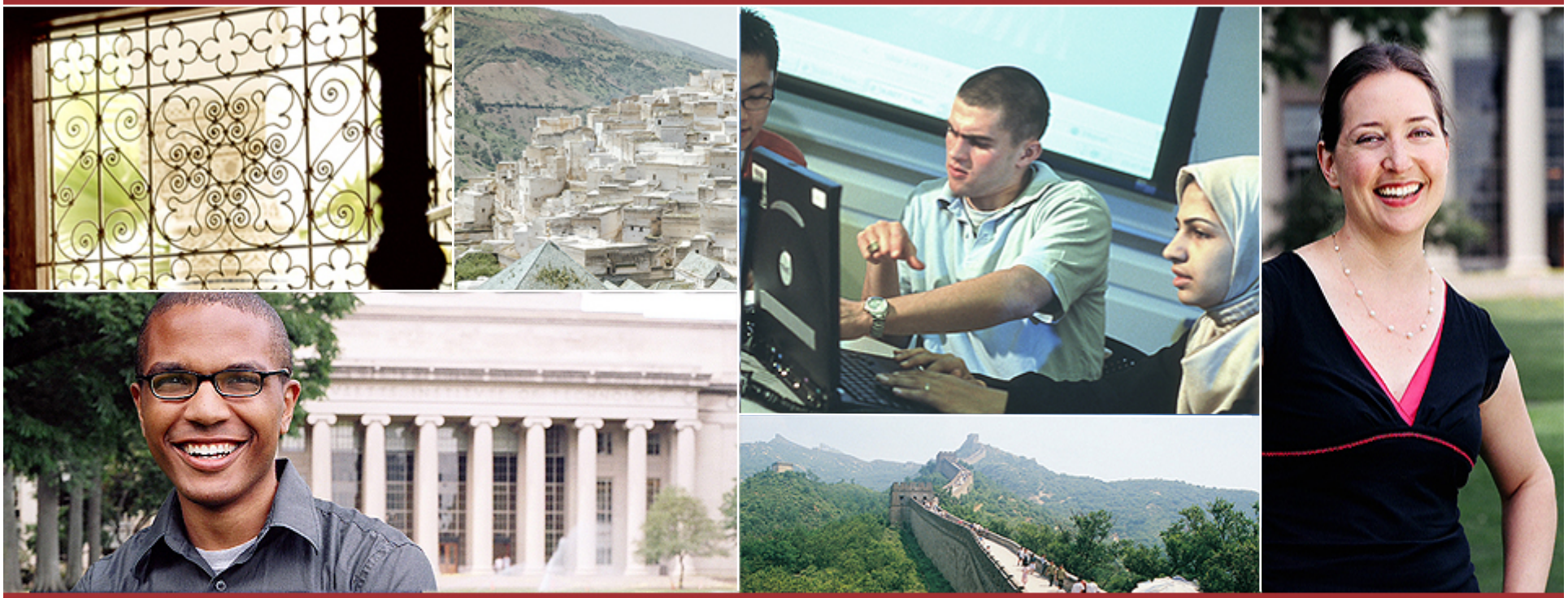
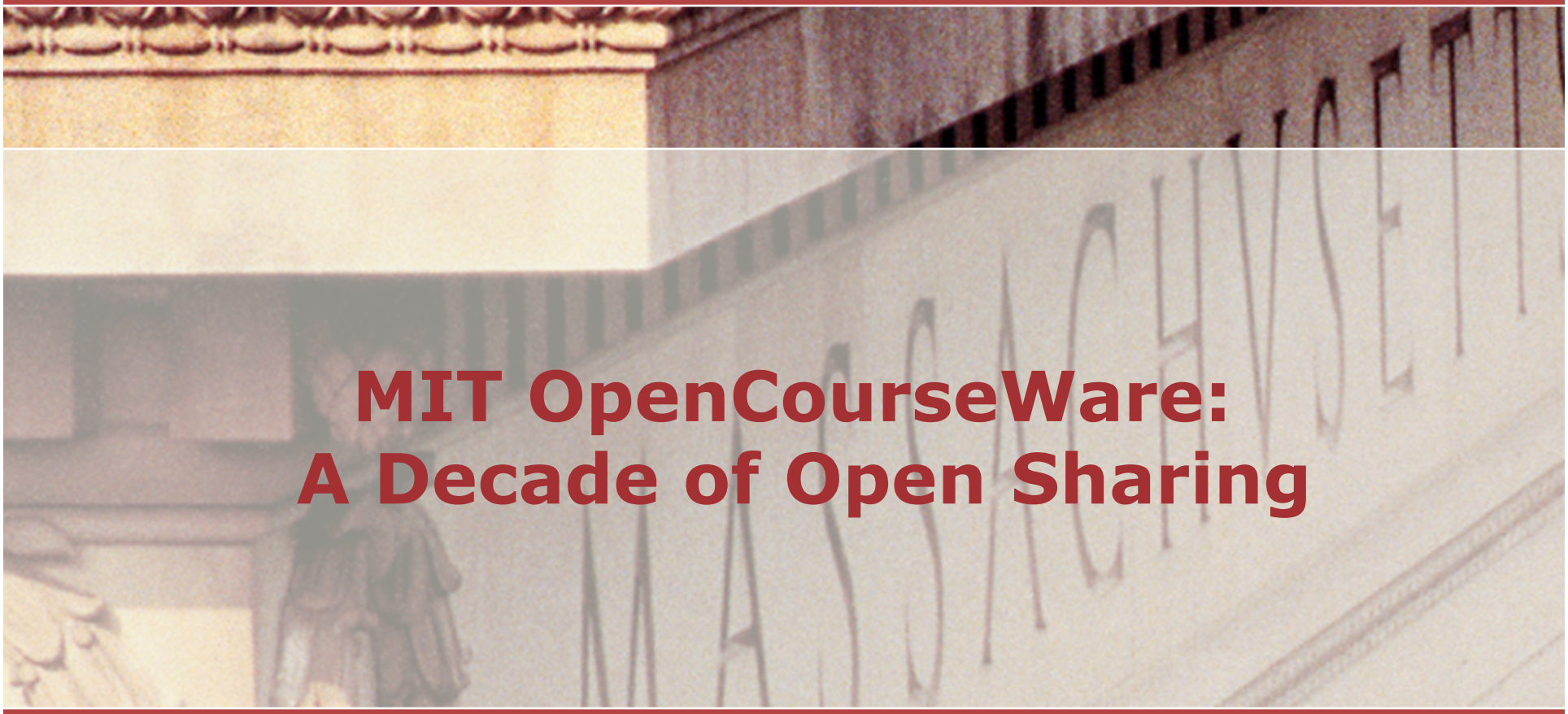


Open Education Workshop
Port-au-Prince, Haiti

Cecilia d' Oliveira, Executive Director, MIT OpenCourseWare

March 28-31, 2012

MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY



MIT OpenCourseWare: A Decade of Open Sharing

The Idea

"The idea is simple, to publish our teaching material, our course content, on the Internet, and make it widely available for free."

MIT Professor Dick Yue
Chair, MIT Lifelong Learning Committee
Year 2000

Flickr: tidefan

The Vision

"OCW expresses MIT's goal of advancing education around the world through a global community in which knowledge and ideas are shared openly for the benefit of all."

Susan Hockfield,
President of MIT

What is OCW?

- Web-based publication of educational materials from over 2,100 MIT classes
- Open license and freely available
- Permanent MIT activity

- Not MIT education
- Not online courses
- Not intended to reflect the interactive classroom environment
- No access to faculty
- Not credit or degree-granting

A Wealth of Content

Syllabi
Lecture Notes
Reading Lists
Homework
Quizzes & Exams
Online Textbooks
Interactive Simulations
Case Studies
Video & Audio Lectures
Video Tutorials & Lab Demos
Pedagogical Materials

2,100 Classes Now Available

- 2,100 syllabi & reading lists
- 18,000 lecture notes
- 10,000 assignments
- 1,000 exams
- 700 projects
- 30 complete textbooks
- 54 classes with video lectures
- Plus visualizations/animations/ interactive applets

http://ocw.mit.edu

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6.00 Introduction to Computer Science and Programming

As taught in: Fall 2008

DONATE NOW

OCW Course Champions

SUPPORT for this course from:

Larry Birenbaum

> Be a course champion

Many of the problem sets focus on specific topics, such as virus population dynamics, word games, protein sequences, or simulating the movement of a Roomba. (Roomba photograph courtesy of Stephanie Booth on Flickr; virus image courtesy of the CDC; Boggle photograph courtesy of Angelina on Flickr; protein image courtesy of the Lawrence Berkeley National Laboratory.)

Level:
Undergraduate

Instructors:
Prof. Eric Grimson
Prof. John Guttag

Course Features
Course Description
Technical Requirements

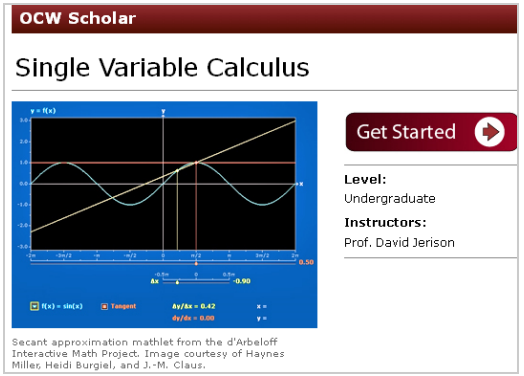
Course Features

› Video lectures
› Exams and Solutions
› Assignments (no solutions)

OCW Scholar Courses

Launched 2011

- Foundation-level courses for self-paced study
- More complete content, modular format, new and repurposed MIT materials
- Current courses: physics, math, computer science, chemistry, microeconomics
- Online peer-to-peer study groups using OpenStudy



OCW Highlights for High School

Launched 2007

- OCW materials most useful for high school
- Lists introductory MIT courses
- Maps resources to US Advanced Placement (AP) curriculum
- Includes courses developed by MIT students
- Adds materials to inspire study of science and math (STEM)

Free to Use, Copy, Modify

With Some Restrictions…

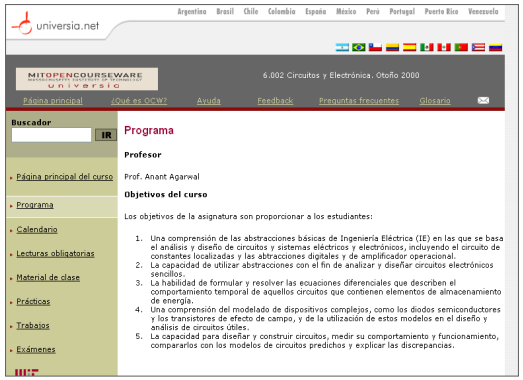
Use must be non-commercial

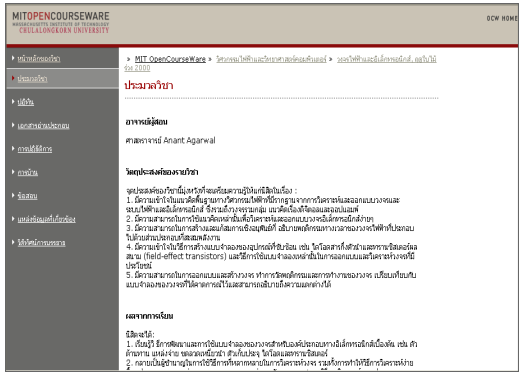
Materials must be attributed to MIT and original author(s)

re-distribution must be offered freely under identical terms, or “share alike”

Translations

- Chinese (707)
- Spanish (99)
- Portuguese (95)
- Thai (37)
- Persian (49)
- Turkish (16)



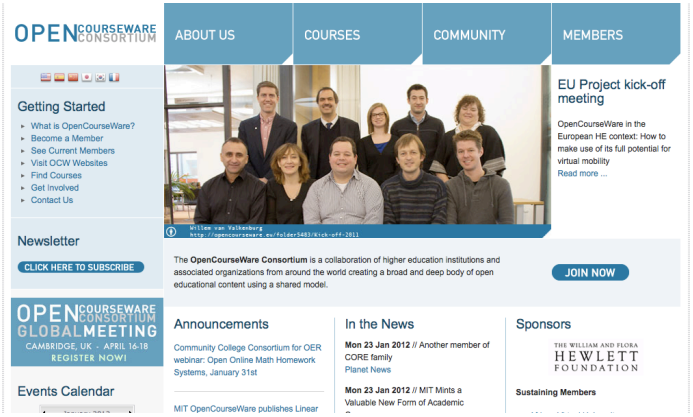


Mirror Site Program

- places OCW content on a local server for bandwidth constrained locations
- 300 mirror sites around the world

Inspiring a Movement

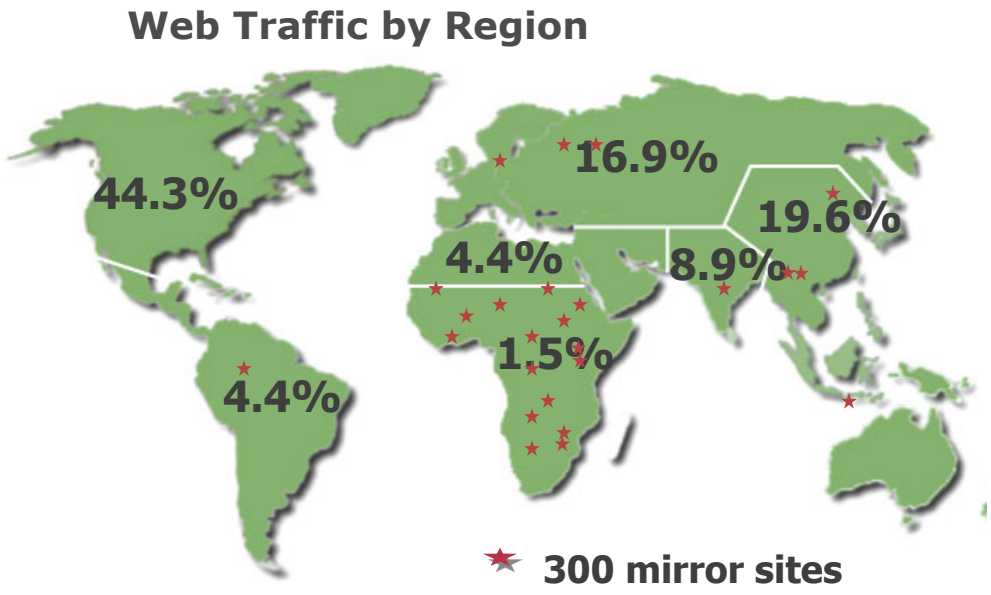
OPEN COURSEWARE CONSORTIUM

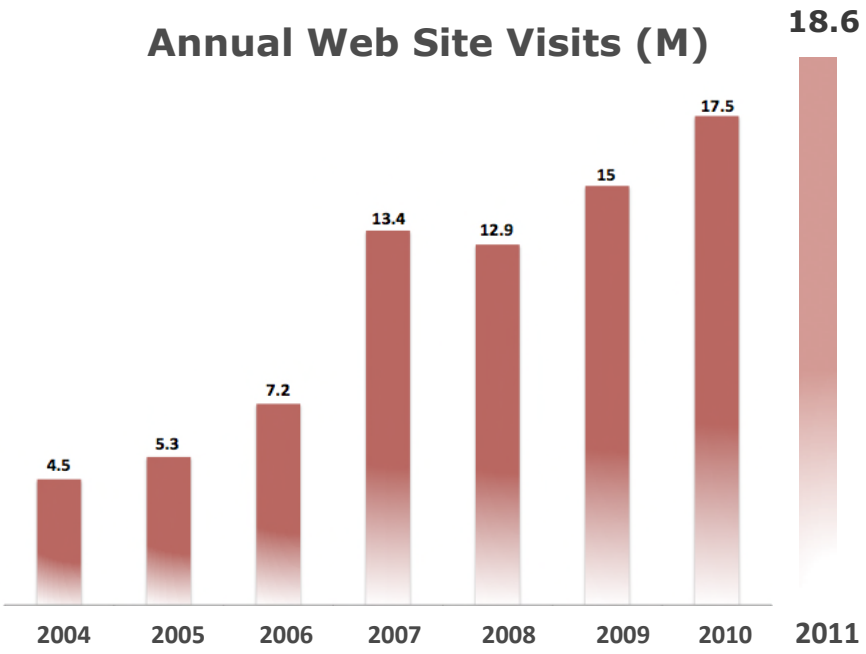


http://ocwconsortium.org

- 250 member institutions
- 100 live OCW sites
- 15,000 courses

A Global Audience





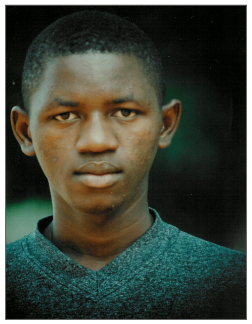
125 million individuals have accessed OCW materials to date

OCW Impact

Formal learning - *educators and students use OCW to enhance personal knowledge and improve teaching and learning in structured courses.*

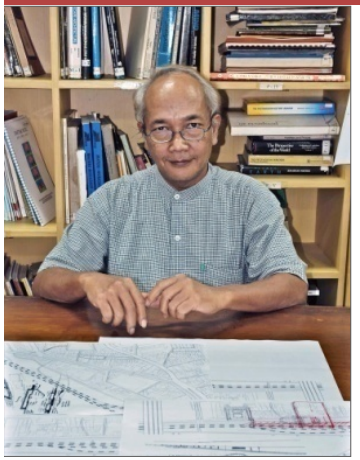
Informal learning - *self-learners use OCW to learn at their own pace, place, and time, either alone or in groups, for professional reasons or for personal development.*

Educators 9%



Students 42%

Self learners 43%



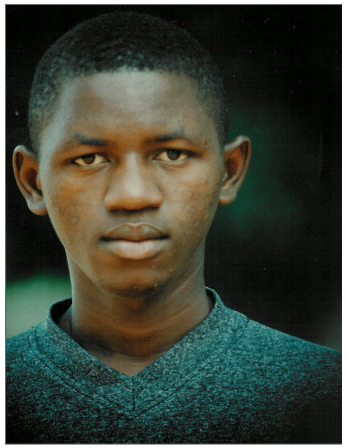
Use of OCW By Role

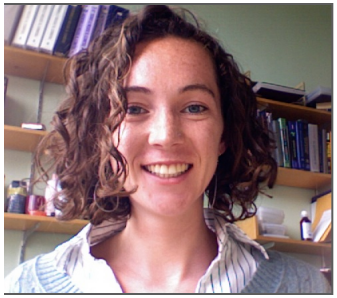
Educators – 9%

- Enhance personal knowledge
- Learn new teaching methods and approaches
- Incorporate OCW materials in their course
- Find reference material for students

Students – 42%

- Enhance personal knowledge
- Complement a subject currently taking





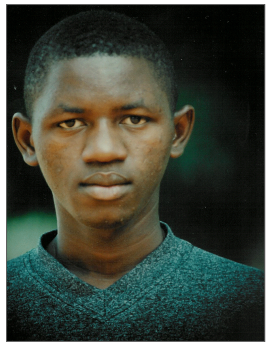
Self learners – 43%

- Explore topics outside professional field
- Review basic concepts in professional field
- Keep current in latest developments
- Prepare for future formal study

Case Studies

"It's not simply the information that's valuable, but also the glimpse OCW offers into how MIT has structured its teaching and research." ***- Educator, Indonesia***

"Last semester, I had a course in metallurgical engineering. OCW helped me gain a deeper understanding of the material." ***- Student, Nigeria***



"It was much better than any other information I found on the Internet, since the other sites were written by electronics experts who assumed that it would be read by other experts." - ***Entrepreneur, Haiti***

Visit MIT OpenCourseWare online at
http://ocw.mit.edu