





Unlocking Knowledge 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



Unlocking Knowledge, Empowering Minds

MITOPENCOURSEWARE



Unlocking Knowledge What is OCW?

MIT OpenCourseWare IS NOT:

- An MIT education
- Intended to represent the interactive classroom environment
- Degree-granting

MIT OpenCourseWare IS:

- A Web-based publication of virtually all MIT course content
- Open and available to world
- A permanent MIT activity

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Unlocking Knowledge

A Community Achievement

Covers:

- The entire undergraduate and graduate curriculum
- 33 academic departments

Voluntary contributions from:

- 78% of MIT faculty
- 2,600 members of the MIT community
- More than 5,000 individuals and organizations in total

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• 1,857 Syllabi & reading lists

- 15,000 lecture notes
- 9,000 problem sets
- 900 exams

Many include:

- Audio/video (~60)
- Complete texts (~30)
- Simulations/animations

Unlocking Knowledge 1,857 Courses



http://ocw.mit.edu



Unlocking Knowledge

Open License

Obliges users to meet three use requirements:



Use must be non-commercial



Materials must be attributed to MIT and original author or contributor



Publication or distribution of original or derivative materials must be offered freely under identical terms, or "share alike"

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Unlocking Knowledge Translations

- Chinese (395)
- Spanish (99)
- Portuguese (95)
- Thai (15)

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• Persian (44)









- 49 courses
- 1,085 total tracks



MIT YouTube channel main page

Unlocking Knowledge iTunes U & YouTube

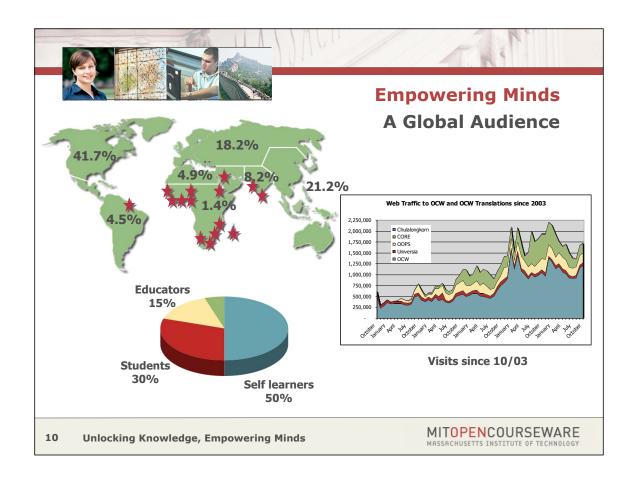
iTunes U MIT Main Page



iTunes U OCW Course Page

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Empowering Minds

Traffic by Country - Oct 08

Country		Visits
1	United States	569,687
2	China	141,308
3	India	90,233
4	South Korea	60,763
5	Canada	42,820
6	United Kingdom	40,465
7	Iran	24,653
8	Turkey	24,651
9	Japan	24,557
10	Germany	22,832

Country		Visits
11	Brazil	17,550
12	France	16,710
13	Australia	14,724
14	Italy	13,765
15	Egypt	12,871
16	Singapore	12,720
17	Spain	12,014
18	Pakistan	11,780
19	Mexico	9,564
45	Peru	3,518

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Empowering Minds

Use by Role

Use Scenario		%
Educators	Enhancing personal knowledge	34%
	Learning new teaching methods	21%
	Incorporating OCW materials into teaching materials	18%
	Finding reference material for students	17%
Students	Enhancing personal knowledge	42%
	Complementing a subject currently taking	37%
	Planning course of study	18%
	Other	4%
Self learners	Exploring topics outside professional field/for personal enjoyment	40%
	Reviewing basic concepts in my professional field	18%
	Keeping current in latest professional field developments	17%
<u>8</u>	Preparing for future formal study	16%

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Empowering Minds

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





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"Communications for Managers' is an excellent presentation of how managers can improve communication. That was something I could use and apply immediately." - Self learner, Bahrain

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Empowering Minds Visitor Feedback

According to users, MIT OpenCourseWare is:

- "... the Eighth Wonder of the World."
- "... the Big Bang of the Knowledge Universe."
- "... the greatest thing any institution of higher learning has ever done."
- "... like falling in love."
- "... the coolest thing on the Internet."
- "... worthy of the next Nobel Peace Prize."



Empowering Minds

Benefits to MIT

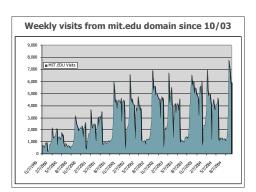
 Connecting with students and alum; improving teaching/learning; fostering international engagement

Among freshmen who knew of OCW before choosing MIT:

- 35% say OCW influenced their choice significantly

Used by:

- 90% of students
- 84% of faculty
- 50% of alumni and staff



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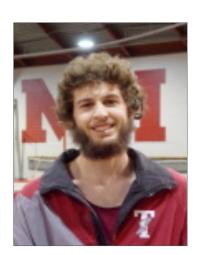
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Empowering Minds MIT Student Use

Aron Walker

Junior, environmental science and chemical engineering major, sees OCW as highlighting the real benefits of an MIT education.





Empowering Minds MIT Student Use

"OCW brings into focus the things that you can only find here at MIT, and not on the Web. It highlights the programs that aren't on OCW because they can't be — things like research, and doing programs with other students who are all really focused and excited about the work."



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Empowering Minds MIT Faculty Use

Professor Karen Willcox aches foundational course to

Teaches foundational course to MIT juniors in Department of Aeronautics and Astronautics



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Empowering Minds MIT Faculty Use

"I realized there was this huge disconnect between the math department and the engineering department – who are the downstream users of the material that's taught in the math classes... I had no idea how or what was being taught."



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Empowering Minds

Benefits to Faculty Reputation

- 34% of faculty who have published on OCW say the site has increased their professional standing
- 58% of faculty say the site has enhanced the reputation of their department
- 95% of faculty say OCW reflects positively on MIT

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Empowering Minds Faculty Stars





- Both Walter and Gil have been featured in major media including The New York Times, the Associated Press, the Wall Street Journal and The Washington Post
- Their courses receive over 600 visits a day and have attracted more than 1 million total visits each

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The Challenge Ahead Transition to Steady State

- \$4 M US annual budget
- To date largely funded by grants and MIT general Institute budget
- Anticipated model a mix of:
 - Endowment
 - General Institute budget
 - Corporate sponsorship
 - Visitor donations



The Challenge Ahead

Improve the Platform

- Update approximately 150 courses a year
- Add 50 new courses a year
- Improve depth of content
- Add multimedia
- Add user features

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The Challenge Ahead Innovate on the Platform

Highlights for High School - Nov. 28

- Organizes ~70 introductory courses
- Maps ~2,600 resources to US AP curriculum
- Provides materials to inspire STEM study



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Unlocking Knowledge Inspiring a Movement

The OpenCourseWare Consortium



http://ocwconsortium.org

- 200+ institutions
- 100 live OCW sites
- ~6,400 courses

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The Challenge Ahead Where are we now?

The end of the very beginning.



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

