



Economical Ways to Study



The living conditions of the poor in Ghana. (Photo by [Jenny Johnston on Flickr](#).) The economic challenge of world poverty.

OCW currently hosts [77 courses](#) from MIT's [Department of Economics](#) on its site, split almost evenly between graduate and undergraduate offerings.

Most of these courses have lecture notes, and many of these notes are robust study guides with elegantly rendered mathematics and graphs. Some course sites also include lecture slides or lecture summaries.

Here is a brief sampler, along with some descriptive text from the course sites:

- [14.03 Macroeconomic Theory and Public Policy \(Fall 2010\)](#) with David Autor

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Friend of OCW, thank you for your commitment to knowledge as a public good! We hope you continue to use OCW resources to learn something new or refresh your skills.

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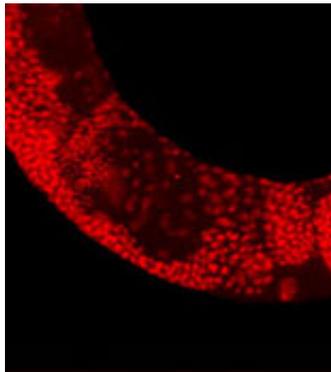
“This class presents microeconomic theory and applications of consumer and producer behavior and welfare analysis at an intermediate level . . . We apply this material to policy debates including minimum wage regulations, food stamp provision, trade protection, educational credentials, health insurance markets, and real estate markets.”

- [14.05 Intermediate Macroeconomics \(Spring 2013\)](#) with George-Marios Angeletos

“ . . . The problems range from economic growth in the long run, to government finances in the intermediate run, and economic stability in the short run. Many economic models used today are surveyed.”

> [Read the complete article](#)

New Courses



[7.15 Experimental Molecular Genetics](#)



[WGS.150 Gender, Power, Leadership and the Workplace](#)

- [18.657 Mathematics of Machine Learning](#)
- [STS.427 The Civil War and the Emergence of Modern America, 1861-1890](#)
- [21G.412 Advanced German Literature & Culture: Madness, Murder, Mysteries](#)



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Updated Courses



[11.127J Computer Games and Simulations for Education and Exploration](#)



[21W.011 Writing and Rhetoric: Rhetoric and Contemporary Issues](#)

- [20.310J Molecular, Cellular, and Tissue Biomechanics](#)

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Attend MIT's Conference on Transforming Education through Technology!

As a member of MIT's OCW mailing list, we would like to invite you to attend [MIT's LINC 2016 Conference on *Digital Inclusion: Transforming Education through Technology*](#).

The conference will take place from May 23-25, 2016 at MIT's Campus in Cambridge, Massachusetts. LINC will host speakers representing the global digital learning community's key organizations and individuals, as well as feature MIT's central digital learning initiatives, and networking opportunities. Confirmed speakers include Anant Agarwal, CEO of edX; Arthur Levine, president of the Woodrow Wilson Foundation; Asha Singh Kanwar, President and CEO of the Commonwealth of Learning; and L. Rafael Reif, president of MIT.

Space is limited. [Register today](#) to secure your spot!

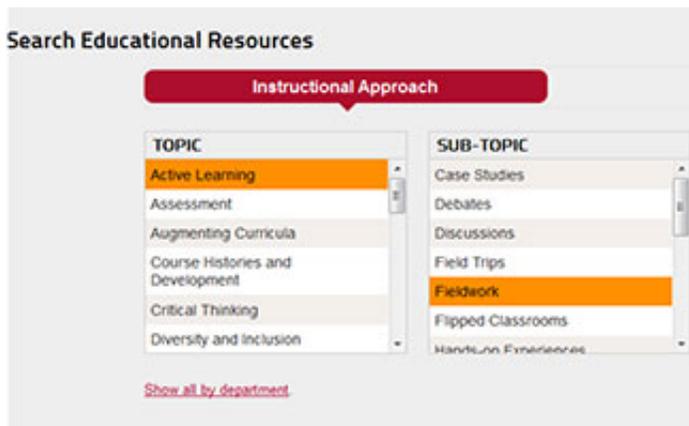
OCW Educator



*Prof. Jagoutz leads a discussion near a stream.
(Image courtesy of Taylor Perron and used with permission.)*

New Ways to Search, New Ways to Find

OCW has just released a [new portal for its Educator project](#) that provides two new ways to search OCW's collection of course sites. We've made a [short video](#) that gives an overview of the Educator project, shows how to get to the portal, and explains how it works.



Search by Instructional Approach allows users to look for courses by pedagogic topic. The search results produce a list of courses that have This Course at MIT pages with Instructor Insights explaining the course's pedagogy. OCW currently has some 90 courses with Instructor Insights, with more being published every month.

The search topics cover a range of concepts, from “Active Learning” and “Assessment” to “Instructional Design” and “Learning Communities” to “Teaching Problem Solving” and “Teaching with Technology.” In seconds you can discover how individual MIT faculty members have gone about teaching their courses and how their approaches to teaching have evolved.

> [Find out more about this resource](#)

> [Watch the OCW Educator video](#)

Highlights for High School

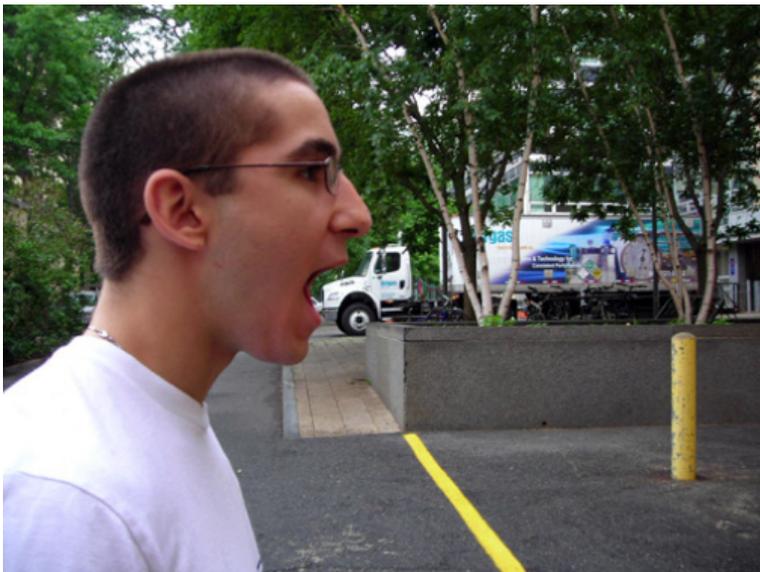


Image courtesy of Peter Ashton, Simba Kol, and Shakib Ahmed.

They say a picture is worth a thousand words. If that's the case, then the pictures from the Chandra Astrophysics Institute (CAI) are worth 162,000 words! The CAI was a summer program held at MIT for students in local area high schools. The students investigated astronomical systems like black holes,

supernova explosions, and colliding galaxies.

The participants, guided and mentored by MIT astrophysicists, completed six different investigations, such as learning about variable x-ray sources and galaxy clusters. Each investigation contains an image gallery, allowing us a behind-the-scenes look at what it was like to be a student in the CAI program.

For example, the picture above was part of an activity on perspective where the students had to make trick photos.

You can view all 162 photos from the Chandra Astrophysics Institute in the [Image Galleries](#).

MITx News



Photo: Dick Daniels/Wikimedia Commons and carolinabirds.org

Built to peck: MITx video series explores how woodpeckers avoid brain injury

Lorna Gibson's twin passions for birding and innovative instruction have generated a "first" for *MITx*: an eight-part, short-form video series

designed for public viewing. "I've long wanted to do a project on how birds work from an engineering perspective," says Gibson, a MacVicar Fellow and the Matoula S. Salapatras Professor of Materials Science and Engineering. "I hope this series will be a way to reach people who might not be interested in picking up an engineering book."

The series, "[Built to Peck: How Woodpeckers Avoid Brain Injury](#)," was produced in collaboration with *MITx* media specialist, Caitlin Stier, and will also appear in Gibson's latest edX course, [3.054x \(Cellular Solids: Structures, Properties and Engineering Applications\)](#).

> [Read the complete article](#)

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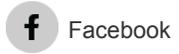


"I donate to OCW because I believe that this is the future of education. For many who cannot afford to get the quality of education that students that attend MIT do, this is the next best thing."

- Charles, Independent Learner

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