

March 2012 Newsletter:

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New OCW Scholar Course

Python programming has fast become the introductory programming language of choice, and now MIT OpenCourseWare has unveiled a new Python programming resource designed specifically for independent learners.

Developed by Professor John Guttag, [6.00SC Introduction to Computer Science and Programming](#) is a free and open course aimed at students with little or no prior programming experience. 6.00SC is the fifth of seven OCW Scholar courses planned for release by the end of March.

- > [Go to 6.00SC Introduction to Computer Science and Programming](#)
- > [Read the press release](#)
- > [See all OCW Scholar Courses](#)

New Supplemental Resource

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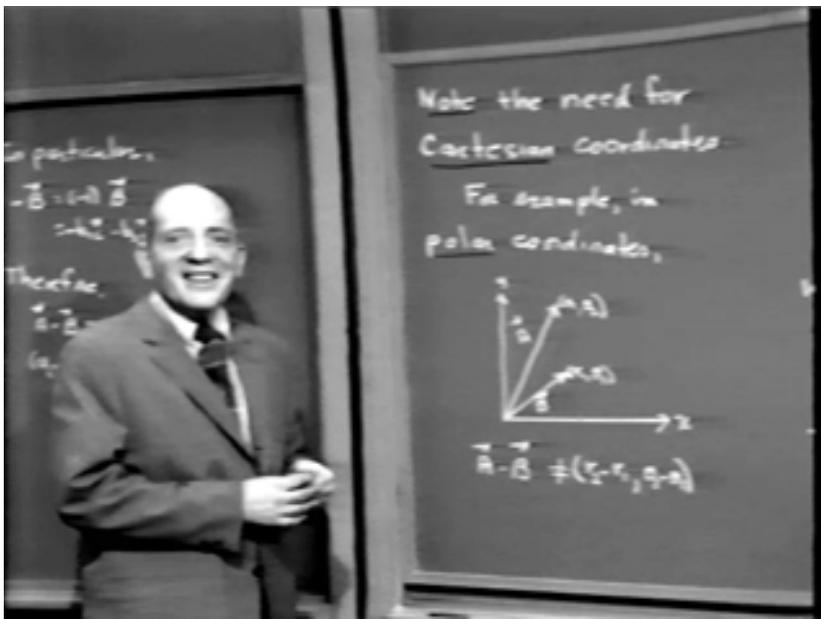
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OCW is grateful for the support of:



Prof. Herbert Gross. (Image by MIT OpenCourseWare.)

Multivariable Calculus is the second course in the Calculus Revisited series. The course consists of 26 videos, 4 Study Guides, and a set of Supplementary Notes.

The series was first released in 1971 as a way for people to review the essentials of calculus. It is equally valuable for students who are learning calculus for the first time.

- [RES.18.007 Calculus Revisited: Multivariable Calculus](#)



Updated Courses

- [MAS.771 Autism Theory and Technology](#)
- [22.081J Introduction to Sustainable Energy](#)

> [See all courses](#)

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Highlights for High School

OCW was proud to participate in the 23rd annual conference for the Society for Instructional Technology and Teacher Education, held in Austin, Texas. Teachers from around the world gathered to learn about the latest trends in technology and education, visit local schools and universities, and network with other educators interested in technology.

We presented ways educators can use OCW in the classroom.



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For example, with OCW, educators can create a "flipped classroom" model; students are assigned video lectures as homework, and the teacher can spend class time doing projects and other types of hands-on learning.

> [See pictures from the trip](#)

> [See helpful tips for teachers on Highlights for High School](#)

Courses in Context: Rejection and Alcohol



Drosophila melanogaster (fruit fly) was involved in a recent study on the relationship between natural and drug rewards.

In a [recent study](#) that investigates the relationship between natural and drug rewards, neuroscientists have discovered that rejected male fruit flies drank four times more alcohol than mated ones.

Neuropeptide F, a chemical found in the fruit fly brain, regulates behavior like eating, anxiety, and sleeping. Scientists believe there is a link between neuropeptide F activity, the mating experience, and alcohol consumption.

These courses provide more information about neurology, behavior and drugs:

- [7.349 From Molecules to Behavior: Synaptic Neurophysiology](#)
 - [9.98 Neuropharmacology](#)
 - [9.20 Animal Behavior](#)
 - [9.916 Special Topics: Social Animals](#)
 - [20.201 Mechanisms of Drug Actions](#)
 - [HST.151 Principles of Pharmacology](#)
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OCW Visitors



OCW was visited by the [Verakin High School of Chongqing](#).

Based in Western China, Verakin is one of the top performing high schools in the region and teaches about 2,200 students.

Verakin has also become an OCW mirror site affiliate and will help make OCW content more accessible to local students, faculty, and self learners.

> [Find out more about the OCW mirror site program](#)

Tell us what you think of OCW at ocw-feedback@mit.edu.



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MIT OpenCourseWare is located at: One Broadway, Cambridge, MA 02142