

TUFTS **OPEN** COURSEWARE

TUFTS UNIVERSITY

Great universities constantly expand their reach by sharing knowledge—among colleagues, among departments, among schools, and finally across countries and continents.

Tufts OCW Newsletter
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About Tufts University OpenCourseWare

Tufts OpenCourseWare (Tufts OCW) is the free, online publication of educational material from a number of Tufts University courses available for use by self-learners, students, and faculty around the world. Tufts OCW is part of the OpenCourseWare movement providing free and openly licensed courseware, accessible to anyone, anytime via the internet. Tufts OCW demonstrates the University's multidisciplinary approach, as well as its particular strength in the life sciences. The project exemplifies the international perspective and underlying ethic of service to local, national and international communities that are essential to the identity of Tufts University.

Tufts OCW is not a distance education program and does not provide university credit or degrees, therefore no enrollment process, fees, or registration is necessary. Tufts OpenCourseWare is supported by the Office of the Provost.

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New - Tufts University Sciences Knowledgebase (TUSK) Goes Open Source

Tufts University Sciences Knowledgebase (TUSK) is now open source. TUSK, a powerful knowledge management system, facilitates the creation, capture, sharing, and leveraging of information to support health sciences education and training. Starting in April 2012, TUSK became available through [OpenTUSK](#), and is now ***the only comprehensive open software system for health sciences education.***

One of Tufts' primary missions as a university is what we call active citizenship.... It's an ethic of civic and social responsibility, and it has manifested itself in lots of ways, including a global mission. Tufts has fit itself into the global health mission and to the mission of health sciences education by providing TUSK as open source software. Susan Albright, Director of Technology for Learning in the Health Sciences, as quoted in [Campus Technology](#), April 4, 2012.

With Tufts' support, TUSK is already used at six US medical schools and at health science institutions in India, Ghana, Uganda, Tanzania, Democratic Republic of the Congo, Kenya, Saudi Arabia and Sweden. Installations are in process or planned in six countries: Rwanda, Ethiopia, Indonesia, Malaysia, Thailand, and Vietnam. These collaborations promote open access at universities such as Christian Medical College in Vellore, India; University of Kinshasa and University of Lubumbashi, Democratic Republic of the Congo; and Makerere University College of Health Sciences in Kampala, Uganda.

With TUSK going open source, health science institutions around the world now have the opportunity to install TUSK, customize it to suit their own needs, and optionally contribute their customizations back to the TUSK source code. The release of the code is expected to create an online community that will build an application bigger and more diverse than one institution's staff could accomplish. OpenTUSK.org includes a link to [GitHub](#) where the TUSK code repository is stored. Health sciences institutions can download the TUSK source code directly from GitHub, install it, and customize it as needed. The only requirement is that the institution have the LAMP framework in place. TUSK is licensed under the [Educational Community License](#), version 2.0.

As reported in *Campus Technology* from an interview with Susan Albright Director of Educational Technologies:

Now that the TUSK open source project has become a reality, the team is setting its sights on a new goal. The Office of Technology for Learning in the Health Sciences at Tufts University plans to develop a software as a service (SaaS) version of TUSK and is looking for partners to help them with that endeavor. Many medical schools in the developing world are using TUSK, but they don't always have the technological expertise to implement it themselves. By providing TUSK as a service, medical schools would be able to set up their own TUSK system without needing to install and maintain it themselves.

If you are interested in becoming part of building the TUSK online community, please contact us at tusk@tufts.edu.

TUSK is also the back-end underlying structure of the OCW website—an SQL database which is a scaled-down version of TUSK. The TUSK system provides the infrastructure that allows Tufts OCW to grow and supports the sustainability of Tufts OCW by using an internal system.

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Tufts Associate Provost Elected to OpenCourseWare Consortium Board

In April 2012, Mary Y. Lee, Associate Provost, was elected to the Board of Directors of [OpenCourseWare Consortium](#) for a two-year term. She joins Board members from 7 other countries and 10 other institutions. Mary is excited to join the [OCW Consortium Board](#) at a time when open educational resources are gaining the world's attention and being listed at the top of policy agendas.

"The *OpenCourseWare Consortium*:

- is a coordinating body for the OpenCourseWare movement on a global scale
- acts as a forum for the exchange of ideas and future planning
- envisions a world in which the desire to learn is fully met by the opportunity to do so anywhere in the world - where everyone, everywhere is able to access affordable, educationally and culturally appropriate opportunities to gain whatever knowledge or training they desire."

Visit the website to learn more about how you can get involved at [OpenCourseWare Consortium](#)

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Course News

New course:

- **Medical Interviewing and the Doctor-Patient Relationship**, Fall 2011 (School of Medicine) Effective interviewing of patients is essential for doctors. This course will provide the student with the basic skills, attitudes and knowledge required for that endeavor. ***New—Audio lectures!***

Courses near completion or in the pipeline include:

- **Veterinary Gross Pathology Image Collection** (Cummings School of Veterinary Medicine)
- **Blender 3D Computer Assisted Design (2.5X)** (School of Arts and Sciences)
- 3 courses from the Fulcrum Institute (School of Arts and Sciences):
 - **Conceptual Distinctions: The Case of Heat and Temperature**
 - **Some of What Matters about Matter**
 - **Earth's Energy Balance** (School of Arts and Sciences)
- **Immunology** (School of Medicine)
- **Pulmonary Medicine** (School of Medicine)
- **Cardiovascular Pathophysiology** update (School of Medicine)
- **Gastrointestinal Pathophysiology** update (School of Medicine)
- **Geriatric Dentistry** update (School of Dental Medicine)

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Website Traffic Continues to Grow

Fun Facts from Google Analytics:

- The total number of visits from Jan – Dec 2011 was **631,245** which is an increase of nearly 20% over the prior year.
- The total number of visits is almost **3.3 million** through May 31, 2012.
- The highest daily visit count for the Tufts OCW site was on November 16, 2011 with **3,333** visits. The average number of visits per day was **1,729**.
- While most traffic comes from the U.S., the Philippines, the UK, Canada, India, China, Australia, Indonesia, Germany, and Brazil, Tufts OCW had visitors from **219** countries/territories! For example, there were visits from such diverse countries such as Ukraine (1,259), Morocco (338), Madagascar (33), Suriname (46,) Niger (11), Iceland (158), Swaziland (17), Luxembourg (57), Togo (3), Guernsey (16), and Panama (198).

Location Demographics:

	Sub Continent Region	Visits
1.	Northern American	315,223
2.	South-Eastern Asia	65,263
3.	Southern Asia	48,068
4.	Northern Europe	40,492

5.	Eastern Asia	23,126
6.	Western Asia	19,519
7.	Australia and New Zealand	18,051
8.	South America	17,067
9.	Western Europe	16,000
10.	Southern Europe	15,927
11.	Eastern Europe	15,177
12.	Northern Africa	8,228
13.	Central America	5,935
14.	Caribbean	5,421
15.	Direct visit/Referral visit	5,307
16.	Eastern Africa	5,097
17.	Southern Africa	3,360
18.	Western Africa	2,901
19.	Central Asia	314
20.	Melanesia	295
21.	Middle Africa	270
22.	Micronesian Region	172
23.	Polynesia	32

Figure 1. User visits by region by sub continent region

Referral Sources:

The top traffic source was Google (from the U.S. and internationally). Other common traffic sources were direct link, yahoo, education-portal, bing, oedb, ocwconsortium, wikipedia, and google images.

Access to Tufts OCW:

As well as being accessible from the [OCW Consortium website](#), the courses at Tufts OCW can be accessed directly as links from:

- Education-Portal.com
- oedb.org
- oercommons.org

Tufts OCW Pop-up Survey (Jan 2011 – Dec 2011)

1,522 users filled out the 2011 OCW Pop-up User Survey. Results include:

Who uses OCW:

Visitors by Role	Percent
Faculty	11.5%
Student	31.1%
Self-learner	48.8%
Other	5.7%
No response	2.9%

Reasons for visiting (from high to low):

Educational scenario, situation, or challenge that best describes why user visited website

1. Personal learning
2. Planning course of study
3. Complements course being taken
4. Keeping current in field
5. Substitute for a course
6. Other
7. Teaching preparation
8. Planning educational website
9. Curricular development
10. Research learning
11. Advising students

Ratings were consistently above 4.0 for the following survey statements (out of a 1: lowest – 5: highest point scale):

- Tufts OCW has/will increase my interest in learning about a particular topic
- Tufts OCW has/will help me supplement my existing knowledge about a topic
- Tufts OCW website has/will increase my awareness of Tufts' academic programs
- I have/will have discussions with colleagues about specific materials or topics from the Tufts OCW website
- I have/will recommend the Tufts OCW website to others

Tufts OCW User Comments:

- I found the basic resources that I was looking for in a simple and easy to understand format. The website and course material are comprehensive and easy to navigate.
- I needed some concise information to improve my understanding, and thus better communicate the knowledge to my students.
- I found not only excellent information on Tufts but somewhere to get my start in working toward Vet. Asst Schooling
- I am in the process of developing patient ed classes for cancer patients and families on the importance of nutrition and exercise during treatment. I have taken nutritional courses in the past but this was a great refresher course for me. I was really thrilled to find this web site and hope to take more of these classes. Thank you so much.
- Thank you very much for making this level of material available to us. This is absolutely invaluable.
- I work as a high school social studies teacher. Currently, my students are learning about the process of how U.S. laws are made and we ended up on your page during one of our class online searches. My students enjoyed the IT page quite a bit and found some great materials on there, so thanks again!
- The website is good, because of us who are less privilege and struggling to succeed.
- I am very interested in health research. After completion of this course, I feel confident to carry accurately out a health research which would bring more positive changes and contribute to development of my community, and then the worldwide one.
- I have obtained information to read which I had not had access to before.
- Thank you so much for educating the world community!

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New Resources listed on [OPEN.Tufts](#)

Three new resources were added to [OPEN.Tufts](#) in academic year 2012:

[GeoData@Tufts](#) - ***New resource!***

[OpenGeoportal.org](#) – ***New resource!***

[Aquapedia](#) - ***New resource!***

[OPEN.Tufts](#) is a portal to 14 open educational resources at Tufts. The site, developed and sponsored by Associate Provost Mary Lee's office, reflects Tufts' mission and commitment to open educational resources across the University. Users can also access all of these open resources on the [OER page in Tufts OCW](#),

If you are at Tufts, please let us know if you would like to add your open content or link to these sites by emailing open@tufts.edu.

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Provost's Open Access Fund Entering Sixth Round of Faculty Awards

Launched in 2010, the [Provost's Open Access Fund](#):

- supports publication in Open Access journals and the digitization of small research collections
- raises the visibility of the Open Access publishing option and the Tufts digital preservation and access environment, and
- increases access to Tufts' research and scholarship.

The Open Access Fund's initial funding was fully awarded by spring 2012, and the Office of the Provost re-funded the Open Access Fund this spring. Since the fund's launch, five rounds of awards have been completed, resulting in 20 publication awards and 3 digitization project awards.

*Further rounds of awards are scheduled for the fall. To apply, **Tufts faculty** will find more information and the application form at: [Provost's Open Access Fund](#). The next deadline for applications is September 7, 2012.*

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[Scholarly Communication @ Tufts](#)

A Tufts OCW link has been added to the [Open Access page](#) on the Tufts Scholarly Communication website. The Tufts Scholarly Communication website is dedicated to helping faculty, staff, and students understand how they can protect, utilize, and share scholarly research literature, whether their own work or that of others. Users can navigate the site based on topic, author's rights, copyright, open access, and Tufts policies.

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Tufts Open Educational Resources (OER) Publications, Presentations and Conferences Presentations:

- Mary Y. Lee, invited keynote speaker: "**Open Access: Transforming Teaching, Research and Collaboration**," 2d Sloan Summit, Open Access-Mission and Mandate, Boston Library Consortium, Boston, MA, January 2012
- Susan Albright and Mary Y. Lee, Poster: "**OER Creation and Collaboration: What difference can open technology make?**" OpenCourseWare Consortium, Cambridge, UK, April 2012
- Mary Y. Lee, Susan Albright, & Gregory Crane, Paper: "**Identifying key elements for successful Institutional and Faculty Collaborations in Curriculum Development using Open Technologies and Open Content**," OpenCourseWare Consortium, Cambridge, UK, April 2012
- Lee, Mary Y., invited presentation: "**International Experiences: Maximizing Disruptive Innovation**,"

Harvard Macy Institute Program for Leading Innovations in Health Care and Education, Boston, MA
June 2012

Publication:

- Lee, MY, Albright, S, Vyas, R, Ram, TS, & Zachariah, A (2012) **Using Mobile Technology to Transform Education for Health Workers at Remote Areas.** In Krohn, R & Metcalf, D (Ed.) *mHealth From Smartphones to Smart Systems.* (pp124-129). Chicago, Illinois: Healthcare Information and Management Systems Society (HIMSS)

Workshops on E-Learning:

- Mary Y. Lee, “**Can technology really make a difference in health care education and clinical service?**” and “**Exploring what E-learning can do to meet the healthcare professions education needs of India,**” National Conference on Health Professions Education (NCHPE), at Christian Medical College, Vellore, September 2011
- Mary Y. Lee, “**Using E-learning for educational reforms through developing E-technology projects,**” Christian Medical College, Vellore, India, January 2012 and **Tufts-CMC- St. John’s e-Learning Workshop,**” St. John’s Medical College, Bangalore, India, January 2012

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Tufts OCW Wants You!

We are looking for new Tufts courses to publish. If you are a Tufts faculty member, and you would like to become part of the open education resource community, we would be happy to provide you with a faculty information packet. Please email ocweditor@tufts.edu to start the process, with "Interest in contributing new OCW course" as the subject line.

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Support Tufts OCW

We greatly welcome any financial contributions to Tufts OCW. Your donation in any amount will enable us to continue offering a high-quality publication of Tufts course materials. Tufts OCW offers free and open access to many courses. Faculty contribute their course curriculum materials for free. Your donation provides the funds necessary to prepare content, clear intellectual property rights and maintain the technology used in digital publishing.

Here's how to make your gift:

Online Giving:

Use our secure form to make an [online gift](#) via credit card. Select "other" from the School menu and enter "OpenCourseWare Fund" to designate your gift.

[Support Tufts OCW](#)

By Telephone:

You may also call our toll free number 866-351-5184 from anywhere in North America, or call 617-627-4705 within Massachusetts to make a gift via credit card.

By U.S. Mail:

If you prefer to mail your donation, please make your check payable to 'Trustees of Tufts College.' Enclose a note indicating that the contribution is for the 'Tufts OpenCourseWare Fund' and address to:
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