

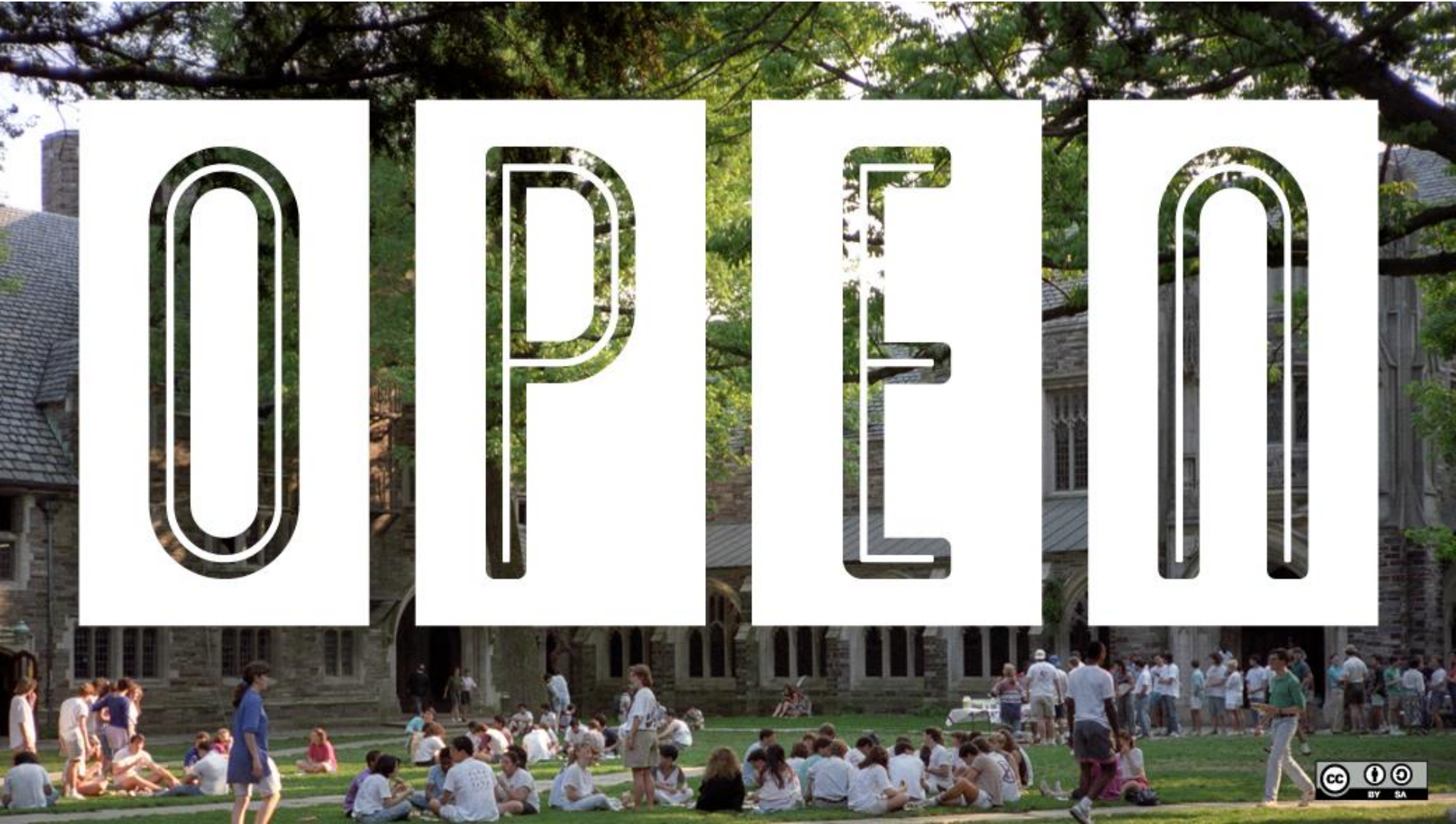
A photograph of a surfer in a black wetsuit riding a white surfboard on a large, curling blue wave. The surfer is positioned in the center of the wave, with their arms outstretched for balance. The wave is breaking, creating a large spray of white water. In the background, a faint rainbow is visible against the sky. The overall scene is dynamic and captures the energy of surfing.

Open Educational Resources: A Rising Wave of Change and Opportunity

Virginia Pannabecker & Kevin Pardon
Arizona State University Libraries
Downtown Phoenix Campus Library

What is open education?

OPEN



Open Educators and Supporters:

- **Believe** that "everyone should have the freedom to use, customize, improve, and redistribute educational resources without constraint"
- **Share** good ideas
- **Harness** the collaborative, interactive culture of the internet
- **Develop** educational resources and make them available online, licensed for free use, reuse, and adaptation
- **Inspire** "a new pedagogy where educators and learners create, shape, and evolve knowledge together"

What are OERs?

Open educational resources online and licensed for anyone to:
Reuse, Revise, Remix, & Redistribute



PROPERTY OF
OPEN EDUCATION
RESOURCES
EVERYONE

Open Educational Resources



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- Guest Experts**
Find guest experts Speakers Bureau.
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Find learning exercises in different disciplines you can use with your students.

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- Mathematics
- Music
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News & Announcements

What's New in MERLOT

41,051 materials,
421 new materials,
114,522 members,
1,196 new members

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MERLOT Account Details [Edit]

Virginia Pannabecker

Health Sciences Librarian
Email: virginia.pannabecker@asu.edu
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Secondary Discipline: [Science and Technology / Health Sciences](#)
Member Type: Librarian
Last Login: Jul 17, 2013
Member Since: Jul 17, 2013

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Arizona State University (Education, 4 Year/4 Year + Grad, AZ, United States) - primary

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Spanish

Microsoft® Translator

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Personal Collection Detail View

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Heart animations

by [Virginia Pannabecker](#)



Description:

A group of animations that I will send to a faculty who is looking for visual materials to add to an online course.

If this personal collection relates to a specific course, [edit this personal collection](#) to add additional details including assessment methodology, learning outcomes, pedagogy approach, prerequisites or course name.

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1. [The Auscultation Assistant](#) [EDIT] [DELETE]

Added: 07/17/2013

Not a visual animation, but these audio files of heart sounds may be of use as well.

2. [The Visible Heart](#) [EDIT] [DELETE]

Added: 07/17/2013

Animation with transparent heart showing how blood goes in and out of the heart.

3. [Map of the Human Heart](#) [EDIT] [DELETE]

Added: 07/17/2013

Interactive tutorial online from Nova: "See exactly how your heart pumps blood throughout your body and learn astounding facts about the human heart."

Open Source Citation Manager Tools

zotero



Open Educational Resources

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CONSORTIUM

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**Mathematical Methods for
Quantitative Finance**



Maps and the Geospatial Revolution
Pennsylvania State University, Jul 17th

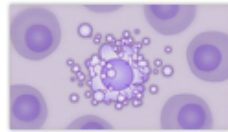


**Fundamentals of Rehearsing Music
Ensembles**

- Chinese 0
- French 0
- German 0
- Italian 0
- Spanish 0
- All Categories** 406
- Arts 15
- Biology & Life Sciences 48
- Business & Management 35
- Chemistry 11
- CS: Artificial Intelligence 24
- CS: Software Engineering 27
- CS: Systems & Security 21
- CS: Theory 18
- Economics & Finance 36
- Education 56
- Energy & Earth Sciences 14
- Engineering 27
- Food and Nutrition 13
- Health & Society 52
- Humanities 68
- Information, Tech & Design 38
- Law 8
- Mathematics 29
- Medicine 46
- Music, Film, and Audio 21
- Physical & Earth Sciences 6
- Physics 16
- Social Sciences 44



with Amy D. Rickman & John M. Jakicic



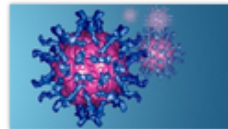
Ludwig-Maximilians-Universität München (LMU)
Programmed cell death
 with Barbara Conradt

Jul 15th 2013
 6 weeks long



University of Melbourne
Exercise Physiology: Understanding the Athlete Within
 with Mark Hargreaves

Jul 22nd 2013
 6 weeks long



Columbia University
Virology I: How Viruses Work
 with Vincent Racaniello

Aug 1st 2013
 11 weeks long



Duke University
Introductory Human Physiology
 with Jennifer Carbrey & Emma Jakoi

Aug 5th 2013
 12 weeks long
 Signature Track



University of Michigan
Instructional Methods in Health Professions Education
 with Caren Stalburg

Aug 5th 2013
 8 weeks long



University of California, San Francisco

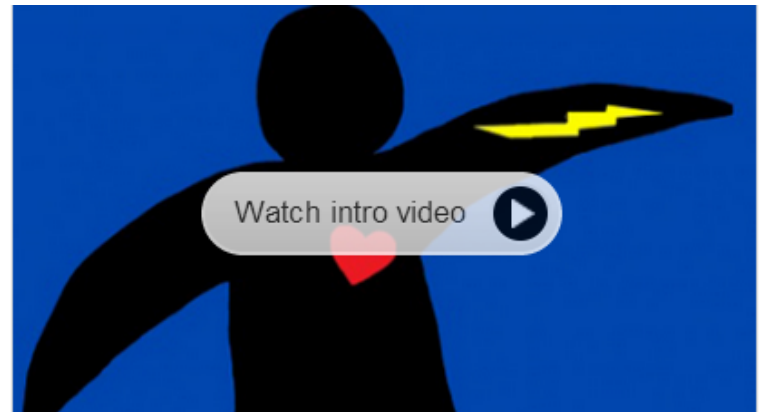
Aug 26th 2013

Introductory Human Physiology

Jennifer Carbrey and Emma Jakoi

In this course, students learn to recognize and to apply the basic concepts that govern integrated body function (as an intact organism) in the body's nine organ systems.

Workload: 6-8 hours/week



Sessions:

Aug 5th 2013 (12 weeks long)

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Future sessions

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341

290

3.6k

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About the Course

The goal of this course is to provide an introduction to human physiology. The students learn to recognize and explain the basic concepts that govern each organ and organ system and their integration to maintain homeostasis, as well as some clinical aspects of failure of these systems. The organ systems covered include: nervous, muscle, cardiovascular, respiratory, endocrine, male and female reproductive, gastrointestinal, and urinary.

About the Instructors



Jennifer Carbrey
Duke University



Emma Jakoi

MIT OpenCourseWare

MIT OPEN COURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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SCHOLAR NEW EDITOR'S PICK EDITOR'S PICK

OCW makes the materials used in the teaching of MIT's subjects available on the

Tumor Suppressor Gene p53: How the Guardian of our Genome Prevents Cancer

COURSE HOME



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LECTURE SUMMARIES

READINGS

ASSIGNMENTS

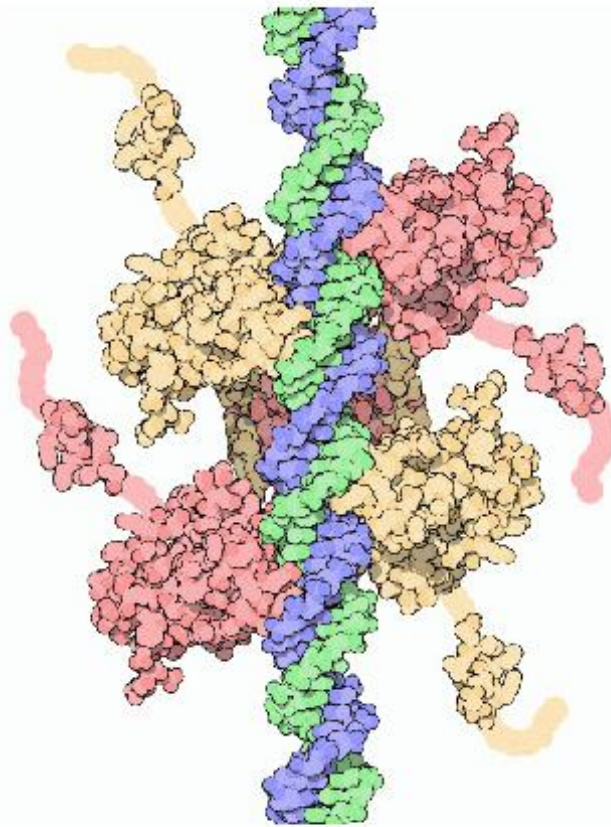
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Course Study Group

During disinfecting stuff why is 70% alcohol used and not absolute alcohol? 4 replies

Is there any reason as to why Ribosomes are found attached to Endoplasmic Reticulum 1 reply



The illustration above shows the p53 tumor suppressor bound to DNA. (Illustration by David S. Goodsell of the Scripps Research Institute, from Protein Data Bank Molecule of the Month.)

Instructor(s)

Dr. Wen Xue

MIT Course Number

7.344

As Taught In

Fall 2010

Level

Undergraduate

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"Open Education Week's goal is to raise awareness about free and open educational opportunities that exist for everyone, everywhere, right now"

Open Education Week at ASU



Open Education Week at ASU



Sustainability: A Comprehensive Foundation
Edited by Tom Theis and Jonathan Tomkin

University of Illinois – Open Source Textbook Initiative
<http://cnx.org/content/col11325/1.40/>



openeducationweek.org



**Emerging Perspectives on Learning,
Teaching, and Technology**
Edited by Michael Orey, University of Georgia

A textbook for teaching either basic cognition courses or basic learning and instructional theory. <http://tinyurl.com/a4opw44>



Open Education & Health Sciences at ASU Libraries

Where we are now:

Learning more about OE and OERs

Beginning to promote OE and OERs with Open Education Week, recommending OERs for faculty course content requests, and promoting Creative Commons Licensing

Preparing to share our resources

What can you do?

What can you do?

Learn more about Open Education and Open Educational Resources

What can you do?

Learn more about Open Education and Open Educational Resources

Promote OE and OERs

What can you do?

Learn more about Open Education and Open Educational Resources

Promote OE and OERs

Get involved and share your resources!

Resources

Learn More about Open Education and Open Educational Resources

- Cape Town Open Education Declaration, 2007:
<http://www.capetowndeclaration.org/read-the-declaration>
- Introduction to Openness in Education – Open course by David Wiley:
<https://learn.canvas.net/courses/4>
- A Basic Guide to Open Educational Resources, 2011:
<http://www.col.org/resources/publications/Pages/detail.aspx?PID=357>
- Year in Review: Open Education, 2012. "Open Education: A Diamond in the Rough.": <http://opensource.com/education/12/12/top-10-open-education-posts-2012>
- Open Education Week website: <http://www.openeducationweek.org/>
- Open Education article in Wikipedia:
http://en.wikipedia.org/wiki/Open_education
- Open Educational Resources article in Wikipedia:
http://en.wikipedia.org/wiki/Open_educational_resources

Resources

Promote Open Educational Resources - Sources to discover OERs

Open Textbooks

- Openstax College: <http://openstaxcollege.org/>
- College Open Textbooks: <http://www.collegeopentextbooks.org/>

OER Resource Clearinghouses

- Merlot: <http://www.merlot.org/merlot/index.htm>
- OER Commons: <http://www.oercommons.org/>
- Open CourseWare Consortium: <http://www.ocwconsortium.org/>

Open Source Citation Manager Tools

- Zotero: <http://www.zotero.org/>
- Mendeley: <http://www.mendeley.com/>

Open Courses

- Coursera: <https://www.coursera.org/>
- MIT Open Courseware: <http://ocw.mit.edu/index.htm>
- Khan Academy: <https://www.khanacademy.org/>
- Udacity: <https://www.udacity.com/>
- More ways to find OERs - from Creative Commons OER Project: http://wiki.creativecommons.org/Finding_OER

Resources

Get Involved and Share Your Resources


- Open Education support via SPARC (Scholarly Publishing and Academic Resources Coalition): <http://www.sparc.arl.org/index.shtml>
- Creative Commons Licensing for Open Use and Open Education: http://wiki.creativecommons.org/Creative_Commons_and_Open_Educational_Resources
- Check out more options from the Learn More and Promote Open Educational Resources lists above - become a peer reviewer and/or add content

References

Images used in this presentation

- Surfer image: <http://www.flickr.com/photos/kevc/3008381603>
- Open Education images: <http://www.flickr.com/photos/47691521@N07/6956020057>
- Open Education Resources: <http://www.flickr.com/photos/opensourceway/6554315179>
- Open Ed Week: <http://www.openeducationweek.org>
- Photos from ASU Libraries Open Education Week 2013 tabling events
- ASU Libraries Open Education Week 2013 event materials
- ASU Libraries Logo from <http://commguide.asu.edu/>
- Questions? image: <http://www.flickr.com/photos/eleaf/2536358399>

Find this presentation and a PDF of Resources & References online in the ASU Digital Repository at:
<http://hdl.handle.net/2286/R.I.18178>



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Kevin.Pardon@asu.edu