

EVENTOS

XII Jornadas CRAI

2014

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New opportunities for Learning and Research
Resource Centers (CRAIs) - Libraries

New opportunities for Learning and Research Resource Centers (CRAIs) - Libraries

Jennifer Dorner

23 May 2014

Outline

- How can Learning and Research Resource Centers (CRAIs) – Libraries engage with MOOCs?
- How do librarians engage with MOOCs at the University of California, Berkeley?
- What role does the edX Library Collaboration play?

Quick Poll

Raise your hand if you are involved in the development of MOOCs at your institution.

Next

Keep your hand raised if you work in the Library, but lower your hand if you don't.

Second Poll

Raise your hand if you have taken a MOOC.

Next

Keep your hand raised if you completed it, but lower your hand if you didn't.

Please complete the following fields to register for an account.
Required fields are noted by **bold text and an asterisk (*)**.

E-mail *

jdorner@library.berkeley.edu

Password *

Public Username *

JLDorner

Will be shown in any discussions or forums you participate in (cannot be changed later)

Full Name *

Jennifer Dorner

Needed for any certificates you may earn

Highest Level of Education Completed

Master's or professional degree ▼

Gender

Female ▼

Year of Birth

1963 ▼

Mailing Address

Please share with us your reasons for registering with edX



Watch the Course Intro Video



The Evolving Universe

A survey of the physical universe and its constituents, including the formation, function, and evolution of stars, galaxies, black holes, quasars, and more.

About this Course

This is an introductory astronomy survey class that covers our understanding of the physical universe and its major constituents, including planetary systems, stars, galaxies, black holes, quasars, larger structures, and the universe as a whole. We will learn how modern astronomical observations and applications of physics we know from the planet Earth reveal the nature of these objects and explain their observed properties, and tell us how they form and evolve. We will also examine various cosmic phenomena, from variable or exploding stars to the expansion of the universe and the evidence for dark matter, dark energy, and the big bang. The universe as a whole and all of its major constituents are evolving, and

School:	CaltechX
Course Code:	Ay1001x
Classes Start:	22 Apr 2014
Course Length:	10 weeks
Estimated effort:	4-6 hours/week

Prerequisites:

Knowledge of physics at a solid introductory university level, basic calculus.

Register for **Ay1001x**



Student Reviews





Course Updates & News

📅 APRIL 22, 2014

Please use the appropriate discussion threads, as that makes it easier for everyone to locate specific information on a given topic. For example, if the question is related to the material covered in a particular chapter, go to that chapter's discussion thread. General question or comments should go the general discussion threads and/or the class Facebook page.

The teaching staff will monitor the discussion threads on a best effort basis. Students are welcome to answer questions from other students *if* they are confident about the answer.

Like most other MOOCs, this class operates on an honor system. Among other things, that means that solutions to any quiz or exam problems cannot be shared directly or posted on-line. Discussing them in broad terms is OK.

📅 APRIL 22, 2014

Welcome to The Evolving Universe! Please see the course information in the vertical menu bar to the right. Enjoy!

Course Handouts

Ay1001x COURSE INFORMATION

Organization: The class is structured as 20 chapters, 2 per week. Each chapter contains several video modules, and there are self-test questions (not graded) at the end of each module. PDF file of slides is provided in each chapter.

Communications: There is a discussion thread for the questions and discussions of the material covered in each chapter, to help keep things organized. Additional, general threads can be used for anything else. Please ask questions! In addition, we have a [Facebook page](#) for this class - use it for other informal discussions, sharing of interesting links, etc.

Grading: After every 2 chapters (i.e., each week) is a quiz that is graded, consisting of about 10 multiple choice questions.



Ay1001 Class - The Evolving Universe

Like Follow Message

165 likes · 52 talking about this

Community
This is a page for the on-line class Ay1001x, "The Evolving Universe", offered by CaltechX through edX.



165

About - Suggest an Edit

Photos

Likes

Highlights

Post Photo / Video

Post something on this Page...

Ay1001 Class - The Evolving Universe
April 29




Week 2 material has been posted. Enjoy!

Like · Comment · Share

14 people like this.

Invite Your Friends to Like This Page See All

Type a friend's name... Invite

-  **James Bell** Invite ×
-  **Sirmuel Makala** Invite ×
-  **Dan Donohue** Invite ×

Part I. Introduction and Some Basics

1. Astronomy as a Science

2. Starting the Exploration

Quiz 1

Quiz due May 05, 2014 at 23:00 UTC



3. Telescopes and Detectors

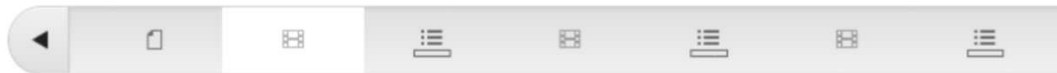
4. Electromagnetic Radiation Processes

Quiz 2

Quiz due May 12, 2014 at 23:00 UTC



Part II. Stars and Planets



1.1 THE OLDEST SCIENCE - VIDEO

Copernicus: De Revolutionibus Orbium Coelestium (1543)

0:00 / 6:31 | SPEED 1.0x

S. GEORGE DJORGOV: get on with the show.

So it seems proper to some attention to his astronomy

because it is the oldest some sense.

I'm not so much conc doing it in this class, I basics.

Download video

Download transcript

.srt

Courseware Course Info **Discussion** Wiki Progress Some useful links Class Logistics

Home Show All Discussions

SORT BY: **DATE** VOTES COMMENTS

how to retrieve the quiz 1's first attempt ??	+0	2
Audio too low	+1	3
Great astronomy class	+2	0
Ergs/Joules/cm-2/m-2?	+0	3
For General Astronomy ____	+0	0
Delay ,staff	+0	5
ajay	+0	0
facebook vs discussion	+8	4
Grading questions separately	+5	2
Quiz 1 Q3 & Q4	+0	3

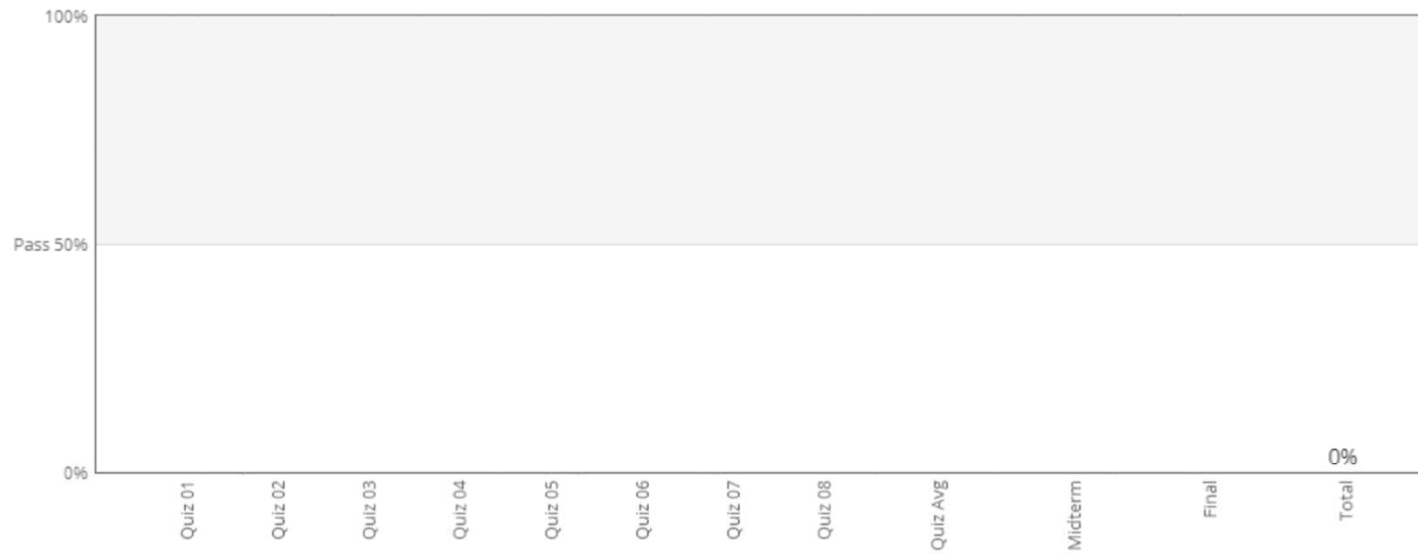
[Load more](#)

DISCUSSION HOME:
The Evolving Universe

HOW TO USE EDX DISCUSSIONS

Find discussions	Focus in on specific topics	Search for specific posts
Engage with posts	Upvote posts and good responses	Report Forum Misuse
Receive updates	<input type="checkbox"/> Check this box to receive an email digest once a day n unread activity from posts you are following.	

Course Progress for Student 'JLDorner' (jdorner@library.berkeley.edu)



Part I. Introduction and Some Basics

1. Astronomy as a Science (0/6)

Practice Scores: 0/2 0/2 0/1 0/1

2. Starting the Exploration (0/6)

Practice Scores: 0/2 0/2 0/2

Some useful links:

More will be added, and suggestions are always welcome.

On-line education/outreach resources:

- [WorldWide Telescope](#), the best sky browser ever (for Windows), and its [Web client](#) for other platforms
- [JPL](#) (many popular astronomy links)
- [The Library of Congress Astronomy Resources on the Internet](#)
- [Sky & Telescope Astronomy Links](#)
- [AstronomyOnline](#)
- [Stanford Libraries, Astronomy and Physics Resources on the Internet](#)
- [Imagine the Universe from the NASA GSFC](#)
- [CDS AstroWeb](#)
- [Griffith Observatory](#)
- [ispySpace.com](#)
- [StarDate](#)
- [PBS Astronomy Programs](#)

Copyright Clearance

- Existing copyright services in libraries are extended to MOOCs.
- New copyright services are developed in the libraries to support MOOCs.
- Libraries provide training and documentation, but don't provide copyright services.

Licensing Resources

- Libraries assist faculty by negotiating with publishers for licenses.
- MOOC faculty negotiate their own licenses.
- MOOC platform providers negotiate with content providers.

Promoting Open Content

- Open Access
- Open Educational Resources (OERs)



eScholarship
University of California

<http://escholarship.org/>

UC BERKELEY LIBRARY  FOR OPEN ACCESS

BRII

BERKELEY RESEARCH IMPACT INITIATIVE

<http://www.lib.berkeley.edu/brii/>

Web Exhibit -- Open Access by Subject Tags: exhibit, faculty, open_access, teaching, web

Are there open materials in your subject? Yes, there are!

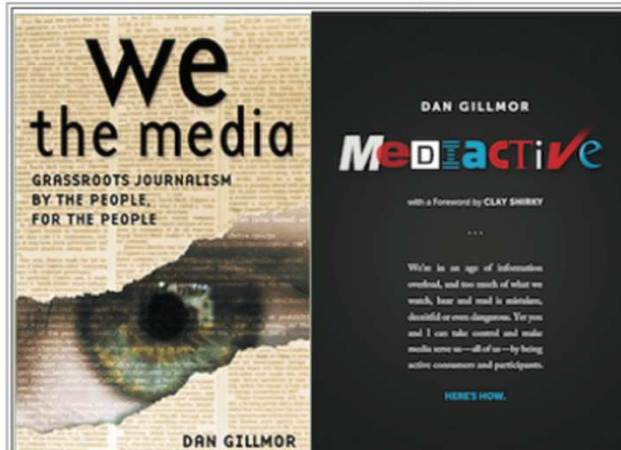
Last Updated: Oct 28, 2013 | URL: <http://libguides.southernct.edu/openaccesssexhibit> | [Print Guide](#) | [RSS Updates](#)

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Journalism [Comments\(0\)](#) [Print Page](#)

Search: This Guide

Resource



Resource: *We the media: grassroots journalism by the people, for the people* (2004) and *Mediactive* (2010) by Dan Gillmor. *We the media* is part of O'Reilly Books Open Book Project. Both are manuals and descriptions of the emerging phenomenon of "grassroots" or "citizen" journalism, business and technology writer Dan Gillmor's books shed some light on the changes that journalism is going through in the 21st century. Each chapter of *We the media* is downloadable as a separate PDF. Chapters of *Mediactive* are available as posts on the site, and are undergoing revision (*Mediactive 2.0*). It is also available as a PDF.

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Additional info: The *Mediactive* site includes additional resources and tools.

Additional Open Access Resources


- [Journalism Learning Resources from MERLOT](#)
MERLOT lists reusable learning resources from animations to textbooks
- [Legal Rights of Photographers \(PDF\)](#)
A guide to legal public photographing by Andrew Kantor.
- [Journalists' Toolbox](#)
Sites and tools for journalists, as collected by the Society for Professional Journalists.

[Comments \(0\)](#)

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

February 22, 2013

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: John P. Holdren 
Director

SUBJECT: Increasing Access to the Results of Federally Funded Scientific Research

1. Policy Principles

The Administration is committed to ensuring that, to the greatest extent and with the fewest constraints possible and consistent with law and the objectives set out below, the direct results of federally funded scientific research are made available to and useful for the public, industry, and the scientific community. Such results include peer-reviewed publications and digital data.

Scientific research supported by the Federal Government catalyzes innovative breakthroughs that drive our economy. The results of that research become the grist for new insights and are assets for progress in areas such as health, energy, the environment, agriculture, and national security.

Access to digital data sets resulting from federally funded research allows companies to focus resources and efforts on understanding and exploiting discoveries. For example, open weather data underpins the forecasting industry, and making genome sequences publicly available has spawned many biotechnology innovations. In addition, wider availability of peer-reviewed

Instructional Support

- Centralized
- Distributed

Production Support

- The Library is the producer
- The Library contributes
- The Library is not involved

Preservation

- No models yet

Accessibility

Benefits

- How does the institution benefit from library involvement?
- How do libraries (and librarians) benefit?



Is this how they see me?

Let's take a break from me

Discussion Questions:

- Given what you have seen here, how do you think librarians could engage with MOOCs at your institutions?
- Do you have other ideas for engagement that I have not mentioned?

Online Education at Berkeley



- UC Berkeley Extension
- UC Online Education (UCOE)
- Summer Sessions
- Professional Schools
- BerkeleyX

ColWri2.3x: Principles of Written English, Part 3

An introduction to academic writing for English Language Learners, focusing on essay development, grammatical correctness, and self-editing.

STARTS: 1 Apr 2014 **INSTRUCTORS:** Maggie Sokolik **UC BerkeleyX**



[learn more](#)

NEW

GG101x: The Science of Happiness

The first MOOC to teach positive psychology. Learn science-based principles and practices for a happy, meaningful life.

STARTS: 9 Sep 2014 **INSTRUCTORS:** Dacher Keltner **UC BerkeleyX**



[learn more](#)

NEW

EECS149.1x: Cyber-Physical Systems

EECS149.1x introduces students to the design and analysis of computational systems that are integrated with physical processes.

STARTS: 6 May 2014 **INSTRUCTORS:** E. Lee, S. Seshia, J... **UC BerkeleyX**

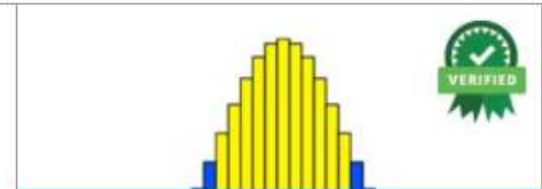


[learn more](#)

Stat2.2x: Introduction to Statistics: Probability

An introduction to probability, with the aim of developing probabilistic intuition as well as techniques needed to analyze simple random samples.

STARTS: 14 Apr 2014 **INSTRUCTORS:** Ani Adhikari **UC BerkeleyX**



[learn more](#)



edX Library Collaboration Working Groups

- Content Accessibility Working Group
- Research Skills Working Group
- Working Group on Models for Course Support and Library Engagement

Supporting MOOC Students

Battushig Myanganbayar

Thank You!

Bibliography

<http://goo.gl/1BJozi>