
Mühendislik Eğitiminde Bilgi ve İletişim Teknolojilerinin Kullanımı

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16. Mühendislik Dekanları Konseyi Toplantısı
Erciyes Üniversitesi Kayseri 02 - 04 Mayıs 2008

KAPSAM

- Uzaktan Eğitim
- Uzaktan Eğitim Teknolojileri
- Uzaktan Eğitim Modelleri
- Uzaktan Mühendislik Eğitimi : Dünyadan Örnekler
- Açık Öğrenme Kaynakları Girişimi
- Ulusal Açık Ders Malzemeleri Girişimi

BİLGİ VE İLETİŞİM TEKNOLOJİLERİNİN EĞİTİMDE KULLANIMI: Uzaktan Eğitim

Farklı mekanlardaki
öğrenen ve öğretim elemanlarının
bilgi ve iletişim teknolojileri aracılığıyla
buluşturulması

UZAKTAN EĞİTİM TEKNOLOJİLERİ

Geleneksel Teknolojiler

Basılı Materyal

Eğitim Yazılımları

Ses/Video Görüntü (CD-ROM ve DVD-ROM ortamında)

Videokonferans

İleri Bilgi ve İletişim Teknolojileri / Web: eÖğrenme

Bir platform (LMS) desteğinde sunulan öğrenme materyalleri

Akışkan (Streaming) Video

Çevrimiçi tartışma araçları, İlan Panoları, Sohbet oturumları

Elektronik Posta

Açık Öğrenme Kaynakları

Açık Ders Malzemeleri

Podcasting

Wiki

Blog

e-ÖĞRENME MODELLERİ

Senkron / Asenkron

Sanal Sınıf (Akıllı Sınıf)

Bir platform (LMS) desteğinde sunulan öğrenme materyalleri

Karma / Uzaktan Öğrenme

Tartışmaya Dayalı

.....

ÖRNEKLER

- ❑ **University of Oklahoma Engineering Media Lab eCourses**
- ❑ **University of Oxford Department of Chemistry Virtual Laboratory**
- ❑ **Massachusetts Institute of Technology Open Course Ware**
- ❑ **University of California Berkeley Webcast Courses**
- ❑ **Swiss Virtual Campus**

University of Oklahoma

<http://www.ecourses.ou.edu/>

eCourses

Multimedia Engineering Dynamics

Dynamics

Chapter

- Particle -

1. [General Motion](#)
2. [Force & Accel.](#)
3. [Energy](#)
4. [Momentum](#)

- Rigid Body -

5. [General Motion](#)
6. [Force & Accel.](#)
7. [Energy](#)
8. [Momentum](#)
9. [3-D Motion](#)
10. [Vibrations](#)

Appendix

[Basic Math](#)

[Units](#)

[Basic Equations](#)

[Sections](#)

[Search](#)

eBooks

[Dynamics](#)

[Fluids](#)

[Math](#)

[Mechanics](#)

[Multimedia](#)

[Mems](#)

[Statics](#)

[Thermodynamics](#)

Author(s):
Kurt Gramoll



©Kurt Gramoll

Welcome to
Multimedia Engineering Dynamics

This eBook includes theory, examples, animations, narrations, and simulations for standard Dynamics course.

To start, select any chapter listed at the left.

Director [Shockwave](#) plugin used for Simulations.



Multimedia Engineering Dynamics

University of Oxford

<http://www.chem.ox.ac.uk/vrchemistry/openpage.html>



Virtual Experiments (click on the experiments below to launch interactive teaching practicals)

[LiveChem](#)

[Interactive Organic Mechanisms](#)

[Metal ions in solution](#)

[Superconductor preparation](#)

[Organo transition metals](#)

[Named Organic Mechanism](#)

[Nickel\(II\) complexes](#)

[Simple inorganic solids](#)

[VSEPR](#)

[Symmetry](#)

About this site

[[About Us](#)] [[What's Here](#)] [[Plug-ins and Help](#)]
[[Links](#)] [[Write to Us](#)]

3DChem.com - A new Molecule of the Month website

LiveChem An online video library of transition metal salt reaction. Nearly 300 videos for students to watch and learn from. Fully interactive Flash environment. *NEW* (May 2005)

Named Organic Mechanisms An interactive arrow pushing website which allows students to do some named organic reactions step by step, providing information and points to note about many of the reaction schemes. *NEW* (Apr 2005)

Flash Periodic Table *NEW* (Mar 2005)

Webcast Lecture Series Gives users a unique chance to view lectures in streamed video format, allowing them to experience lectures by leading figures from home. *NEW* (Dec 2004)

Interactive Organic Mechanisms A tutorial aimed at assisting in the understanding of simple reaction mechanisms. *NEW* (Oct 2004)

"Pre-University Chemistry Course" (an on-line chemistry course, chapters last updated Mar. 2003) Winner of the 2001 [RSC Exemplarchem](#) Competition.

Reaction Mechanisms At A Glance A tutorial based on the book of the same name by Dr Mark Maloney

Virtual Environments (explore a virtual Oxford taking you from the historic heart of the city to the university science buildings and into the chemistry teaching laboratories and lecture theatre)

Solid State Chemistry A comprehensive online Chemistry course covering solid state compounds.

Pericyclic Chemistry Online Resource (an online resource on Pericyclic Chemistry - based on Third Year Lecture course by Dr. J Robertson) Winner of the 2003 [RSC Exemplarchem](#) Competition.

Massachusetts Institute of Technology

<http://ocw.mit.edu/index.html>

The screenshot displays the MIT OpenCourseWare website. At the top, the logo reads 'MIT OPEN COURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY'. A navigation bar includes links for 'Home', 'Courses', 'Donate', 'About OCW', 'Help', and 'Contact Us', along with a search bar. The main content area is titled 'Audio/Video Courses' and includes a breadcrumb trail: 'Home > Courses > Audio/Video Courses'. Below the title, it states: 'The following courses contain substantial video and/or audio content.' A section titled 'Courses by Department' lists various departments with expandable arrows. The left sidebar contains navigation options such as 'Get Started with OCW', 'Find Courses' (with a departmental list), and 'Other Resources'.

MIT OPEN COURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Home Courses Donate About OCW Help Contact Us Enter search keyword

Home > Courses > Audio/Video Courses

Audio/Video Courses

The following courses contain substantial video and/or audio content.

Courses by Department

- > [Aeronautics and Astronautics](#)
- > [Anthropology](#)
- > [Architecture](#)
- > [Athletics, Physical Education and Recreation](#)
- > [Biological Engineering](#)
- > [Biology](#)
- > [Brain and Cognitive Sciences](#)
- > [Chemical Engineering](#)
- > [Chemistry](#)
- > [Civil and Environmental Engineering](#)
- > [Comparative Media Studies](#)
- > [Earth, Atmospheric, and Planetary Sciences](#)
- > [Electrical Engineering and Computer Science](#)
- > [Engineering Systems Division](#)
- > [Foreign Languages and Literatures](#)
- > [History](#)
- > [Linguistics and Philosophy](#)
- > [Literature](#)
- > [Materials Science and Engineering](#)
- > [Mathematics](#)
- > [Mechanical Engineering](#)
- > [Media Arts and Sciences](#)
- > [Music and Theater Arts](#)
- > [Physics](#)
- > [Science, Technology, and Society](#)
- > [Sloan School of Management](#)
- > [Special Programs](#)
- > [Urban Studies and Planning](#)
- > [Women's and Gender Studies](#)
- > [Writing and Humanistic Studies](#)

Other Resources:
> Supplemental Resources
> Archived Courses

University of California Berkeley

<http://webcast.berkeley.edu/courses/index.php>

The screenshot shows the 'webcast/courses' website interface. At the top, there is a navigation bar with links for 'courses', 'events', and 'help'. Below this is a search bar with a 'Search' button. The main content area is titled 'Spring 2008 Courses' and includes a 'Select Semester:' dropdown menu set to 'Spring 2008'. There are also links for 'RSS', 'PODCAST', and 'Subscribe to Podcasts'. The course list is organized into columns: Course ID, Course Title, Days, Time, and 'webcast podcast' status (indicated by dots).

				webcast	podcast
Anthro 2AC	Introduction to Archaeology	W	10:00-11:00 AM	•	
Bio 1A	General Biology Lecture	M-W-F	08:00-9:00 AM	•	•
Bio 1AL	General Biology Laboratory	M	05:00-6:30 PM	•	•
Bio 1B	General Biology	M-W-F	08:00-9:00 AM	•	•
Chem 1A	General Chemistry	M-W-F	01:00-2:00 PM	•	•
CS 162	Operating Systems and System Programming (Three Day Delay)	M-W	04:00-5:30 PM	•	•
CS 61A	The Structure and Interpretation of Computer Programs	M-W-F	02:00-3:00 PM	•	•
CS 61BL	Data Structures and Programming Methodology (Three Day Delay)	W	05:00-6:00 PM	•	•
CS 61C	Machine Structures	M-W-F	03:00-4:00 PM	•	•
Econ 100A	Economic Analysis--Micro	T-Th	09:30-11:00 AM		•
Econ 100B	Economic Analysis--Macro	T-Th	03:30-5:00 PM		•
EE 105	Microelectronic Devices and Circuits (Three Day Delay)	T-Th	03:30-5:00 PM	•	•
EE 141	Introduction to Digital Integrated Circuits	W-F	02:00-3:30 PM	•	•
EE 141 Discussion	Introduction to Digital Integrated Circuits - Discussion	W	05:00-6:00 PM	•	•
EE 20	Structure and Interpretation of Systems and Signals (Three Day Delay)	T-Th	12:30-2:00 PM	•	•
EE 240	Advanced Analog Integrated Circuits	T-Th	09:30-11:00 AM	•	•
EE 246/ME219	Microelectromechanical Systems	M-W-F	09:00-10:00 AM		•

Swiss Virtual Campus

<http://www.virtualcampus.ch/>

The screenshot shows the Swiss Virtual Campus website. At the top left is the logo with the text: "Swiss Virtual Campus", "Campus Virtuale Svizzera", "Campus Virtuel Suisse", and "Virtueller Campus Schweiz". To the right of the logo is the title "Swiss Virtual Campus" and a multilingual description: "A federal program of the Swiss institutions of higher education", "Un programma federale delle scuole universitarie", "Un programme fédéral des hautes écoles", and "Ein Bundesprogramm der Schweizer Hochschulen". Below this is a horizontal banner with various images. The main navigation area includes "Home - You are here", a search box, and links for "Site", "Home", "Contact", "Map", and language options: "English", "Deutsch", and "Französisch".


The SVC at a glance

- News
- Events
- Online Courses
- Resources
- Archive

Experience of the day

Salome Lichtsteiner, Anna-Barbara Utelli, "Pharmasquare" : "Taking part in competitions has been very good for us: it made us much more focused on learning goals."

[More...](#)




[Other experiences](#)

Who are we?

The Swiss Virtual Campus promotes learning over the Internet at university level.

[More Information](#)



Photos: Urs Siegenthaler

News [XML](#)

[Neue Medien - Neue Perspektiven? Die Universität im Internetzeitalter Basel, 14. Mai](#)

[11th International Conference on Interactive Computer Aided Learning](#)

[More...](#)

Demo of the Data

[Latinum electron](#)

Latin grammar, as fun as looking for Easter eggs. Interactive exercises, as exciting detective story.

Username: guest
Password: guest

How Stuff Works

<http://www.howstuffworks.com/>

Make HowStuffWorks your homepage | Get Newsletter

howstuffworks

Search HowStuffWorks and the web:

Auto > Under the Hood > Engines > Types of Engines

Print Email Cite

How Car Engines Work

by [Marshall Brain](#)

Inside This Article

1. Introduction to How Car Engines Work
2. **Internal Combustion**
3. Basic Engine Parts
4. Engine Problems
5. Engine Valve Train and Ignition Systems
6. Engine Cooling, Air-intake and Starting Systems
7. Engine Lubrication, Fuel, Exhaust and Electrical Systems
8. Producing More Engine Power
9. Engine Questions and Answers
10. How Are 4-Cylinder and V6 Engines Different?
11. Lots More Information
12. See all **Types of Engines** articles

Internal Combustion

The piston causes the basic principle behind any reciprocating internal

RELATED AD CATEGORIES

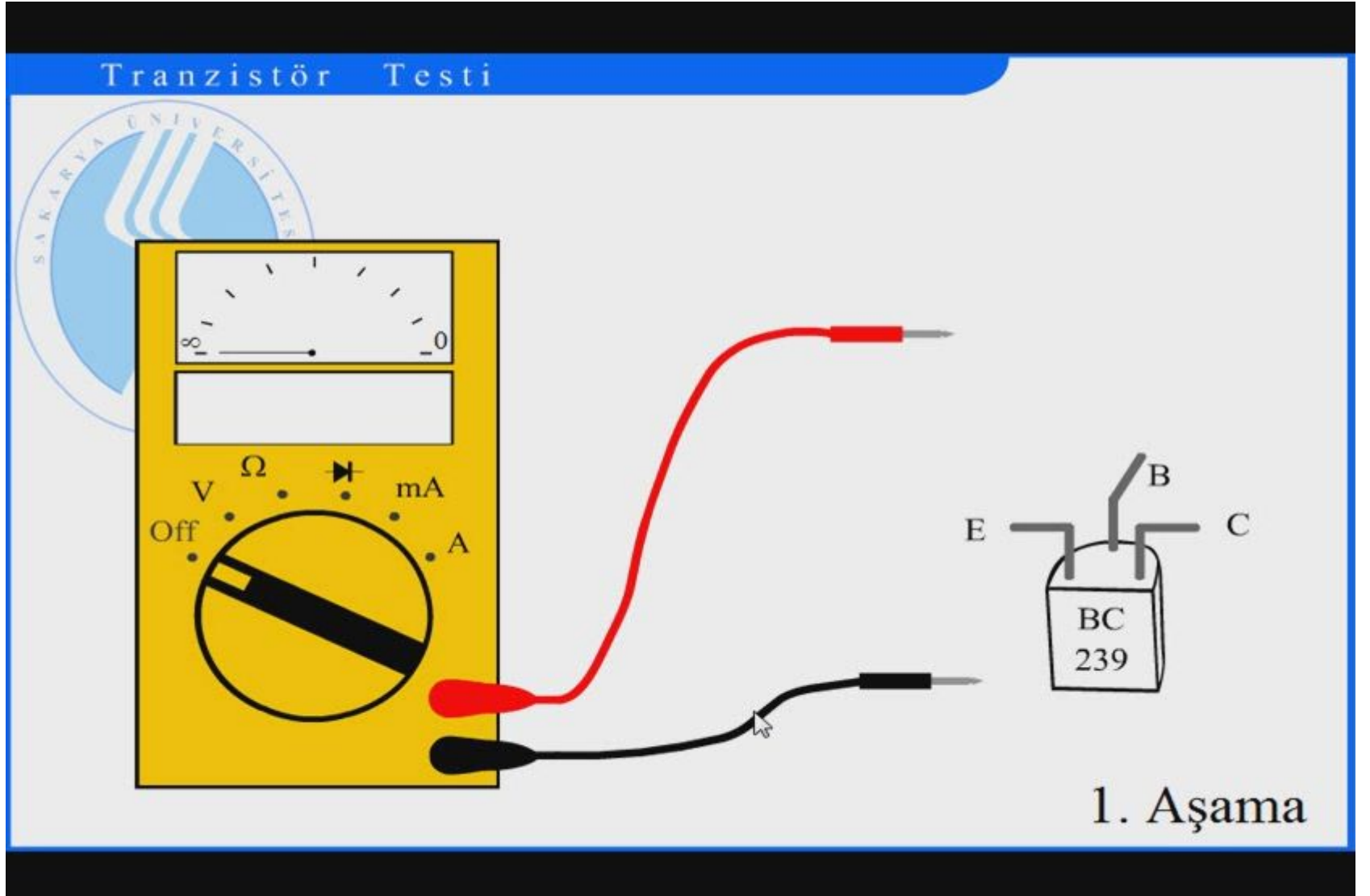
Free Te 300 Rea Print Pro

Sakarya Üniversitesi

Asenkron Motorun Çalışma Prensibi



Sakarya Üniversitesi



AÇIK ÖĞRENME KAYNAKLARI

Tanım

Herkese açık,
telif hakları konusunda esneklik sağlanmış
öğretme, öğrenme ve araştırma kaynakları

Technology-enabled, open provision of educational resources for consultation, use and adaptation by a community of users for non-commercial purposes.

UNESCO. 2002. Forum on the impact of open courseware for higher education in developing countries.

AÇIK ÖĞRENME KAYNAKLARI

Felsefe

Dünyada varolan bilgi herkese aittir; teknolojik olanaklar ve özellikle www bu bilgiye herkesin erişilmesi, paylaşması, kullanması konusunda muazzam olanaklar sağlamaktadır.

AÇIK ÖĞRENME KAYNAKLARI

Hedef

Enformasyon teknolojileri yoluyla,
tüm dünyada
bilgiye erişim ve eğitim olanaklarında eşitlik sağlamak

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

MIT-OCW

The screenshot shows the MIT OpenCourseWare website homepage in a Windows Internet Explorer browser window. The browser address bar displays "http://ocw.mit.edu/OcwWeb/web/home/home/index.htm". The website header features the MIT logo and the text "MITOPENCOURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY". Navigation links include "Home", "Courses", "Donate", "About OCW", "Help", and "Contact Us". A search bar is present with the placeholder text "Enter search keyword".

The main content area is titled "Home" and includes a "Get Started with OCW" section with links to "VIEW ALL 1800 COURSES", "Most Visited Courses", "Audio/Video Courses", "Translated Courses", and "New Courses". Below this is a "Find Courses" section with a list of departments: Architecture and Planning, Engineering, Health Sciences and Technology, Humanities, Arts, and Social Sciences, Management, Science, and Other Programs. A "View All Departments" link is also provided.

A prominent feature is a testimonial from an educator in Mexico, accompanied by a photo of a woman. The text reads: "Unlocking Knowledge, Empowering Minds. MIT is committed to advancing education and discovery through knowledge open to everyone. OCW shares free lecture notes, exams, and other resources from more than 1800 courses spanning MIT's entire curriculum." A "DONATE NOW" button is visible below the testimonial.

Other sections include "MIT OpenCourseWare launches Highlights for High School" with links to "Visit the site" and "Read the announcement", and "OCW is grateful for the support of: Ab Initio" with the tagline "Ab Initio and OpenCourseWare: Built on fundamentals" and a link to "Become a corporate sponsor".

At the bottom, there is a "NEWSLETTER" sign-up section and a footer with the MIT logo, copyright information (© 2002-2008 MIT), RSS feeds, privacy and terms of use links, a site map, and the Creative Commons license information. The OCW Consortium logo is also present in the bottom right corner.

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

MIT-OCW

Tamamlanmış
1800 ders

2008'den itibaren
her yıl 200
ilave/yenileme

Ayda ort. 1 mil.
ziyaretçi (max. 2m)

Toplam 52 milyon
ziyaret (40 m. Farklı
ziyaretçiden)

The screenshot shows the MIT OpenCourseWare website. The browser address bar displays 'http://ocw.mit.edu/OcwWeb/web/courses/courses/index.htm'. The page header includes the MIT logo and the text 'MITOPENCOURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY'. The navigation menu contains 'Home', 'Courses', 'Donate', 'About OCW', 'Help', and 'Contact Us'. A search bar is located on the right side of the header. The main content area is titled 'Courses' and features a 'DONATE NOW' button. Below this, there is a 'NEWSLETTER' sign-up link and a section for 'Courses by Department' with a list of departments including Aeronautics and Astronautics, Anthropology, Architecture, and many others. The left sidebar contains sections for 'Get Started with OCW', 'Find Courses', and 'Other Resources'.

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

MIT-OCW

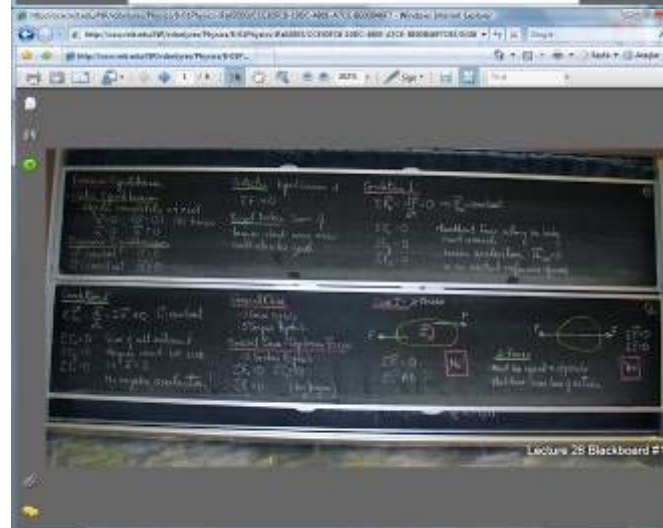
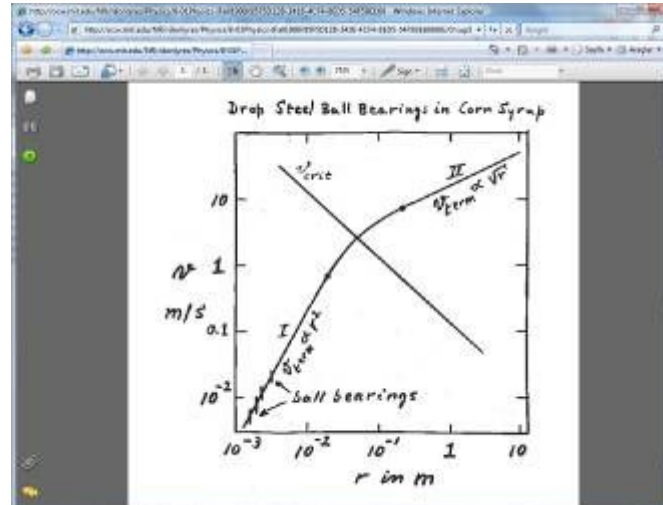
Ders ana sayfası

The screenshot shows the MIT OpenCourseWare website for the course 8.01 Physics I: Classical Mechanics, Fall 1999. The browser window title is "MIT OpenCourseWare | Physics | 8.01 Physics I: Classical Mechanics, Fall 1999 | Home - Windows Internet Explorer". The address bar shows "http://ocw.mit.edu/OcwWeb/Physics/8-01Physics-IFall1999/CourseHome/index.htm". The page features a navigation menu with "Home", "Courses", "Donate", "About OCW", "Help", and "Contact Us". A search bar is also present. The main content area displays the course title "8.01 Physics I: Classical Mechanics" and "Fall 1999". A photograph of Professor Walter Lewin is shown, demonstrating a physics experiment with a ball and a string. The page includes a "DONATE NOW" button, "Staff" information (Instructor: Prof. Walter Lewin), "Course Meeting Times" (Lectures: Three sessions / week, 1 hour / session; Recitations: Two sessions / week, 1 hour / session), "Level" (Undergraduate), "Download this course" link, and "Feedback" link. A "Course Highlights" section describes the course content and features.

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

MIT-OCW

Ders notları



MIT OpenCourseWare
MIT 9.60J Technological Tools for School Reform

LEC #	TOPICS	LECTURE NOTES
1	Introduction and Overview	An overview of the course themes, schedule, and syllabus, with an introduction to the current debate in school reform. In particular, we will discuss the main focus in the debate on high school reform and the place of the MIT OCW Let's Reimagine Our Schools initiative.
2	General Context: Approaches to School Reform Specific Context: Cambridge Charter School and Cambridge	A conversation about the approach to school reform advocated by the Coalition of Essential Schools and how it has impacted the design of some of the most successful charter schools. In particular, we will discuss the key ingredients of the success of the High Tech High model.
3	Specific Context: Cambridge Charter School of Cambridge (CCSC) Specific Context: Cambridge Charter School and Cambridge	For the final project, students will develop one or more tools, materials, and activities to demonstrate the potential of digital technologies to transform schools and their final products will be presented to school leaders and educators that have been invited. The final projects should be grounded in real use in a context where the design and implementation of the final projects, we will be able to evaluate the success of the project in depth. In the first session, 'The Quest for a 24/7 School'... we will explore the opportunities for building a new charter for school in Cambridge and the long history from the conception to the opening in August 11, 2005 of CCSC. The session will be conducted as a roundtable discussion with some of the members of the CCSC founding board and the current Board of Directors. In the second session, we will discuss the CCSC school design and how the faculty and administrators of CCSC are implementing the design in the CCSC building.

Inverse Radon transform
(aka Filtered Backprojection)

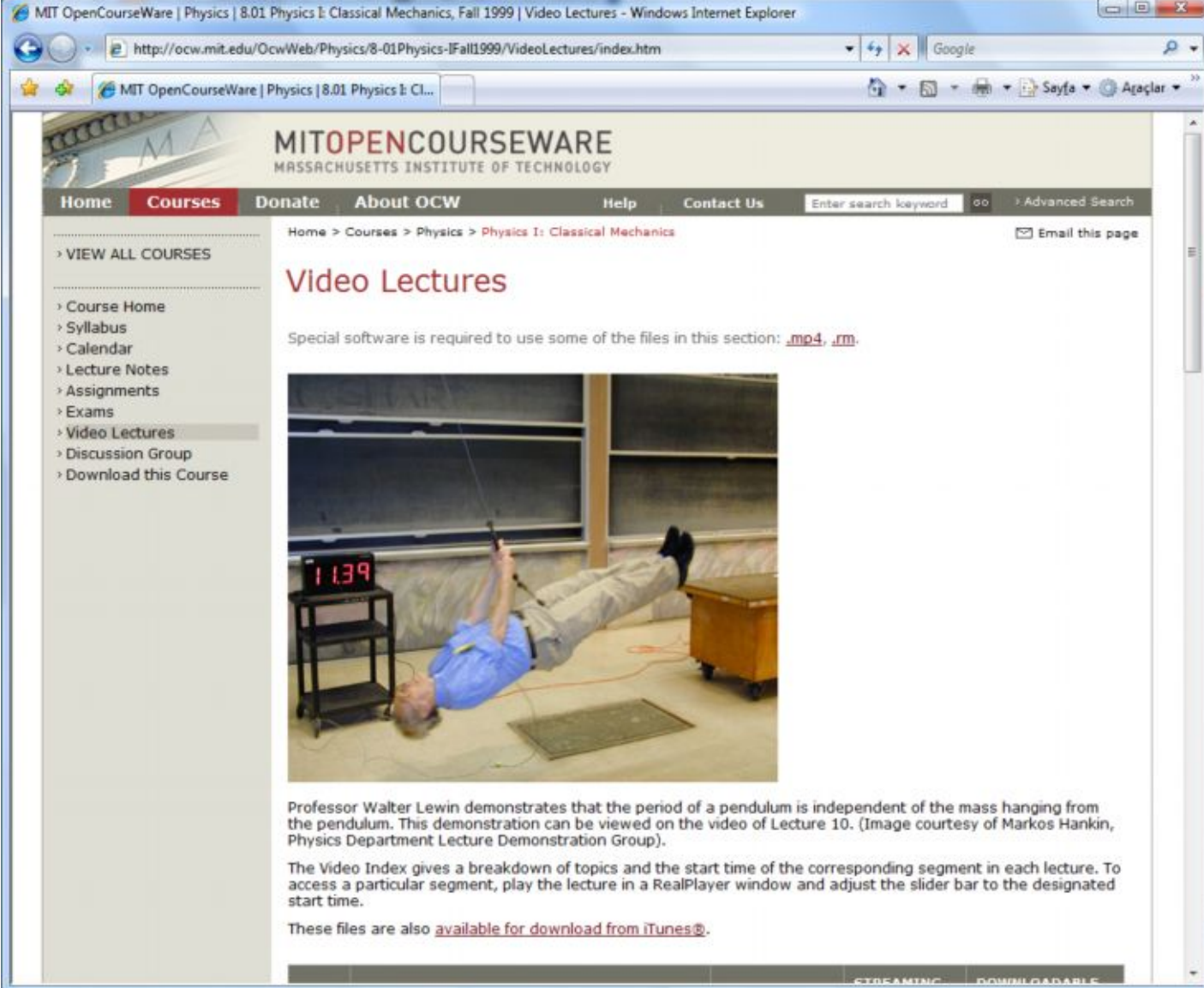
The principle
Magnetic Resonance Imaging (MRI)

MIT 2.001
Fall 2005

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

MIT-OCW

Ders videosu



MIT OpenCourseWare | Physics | 8.01 Physics I: Classical Mechanics, Fall 1999 | Video Lectures - Windows Internet Explorer

http://ocw.mit.edu/OcwWeb/Physics/8-01Physics-IFall1999/VideoLectures/index.htm

MIT OpenCourseWare | Physics | 8.01 Physics I: Cl...

MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Home Courses Donate About OCW Help Contact Us Enter search keyword Advanced Search

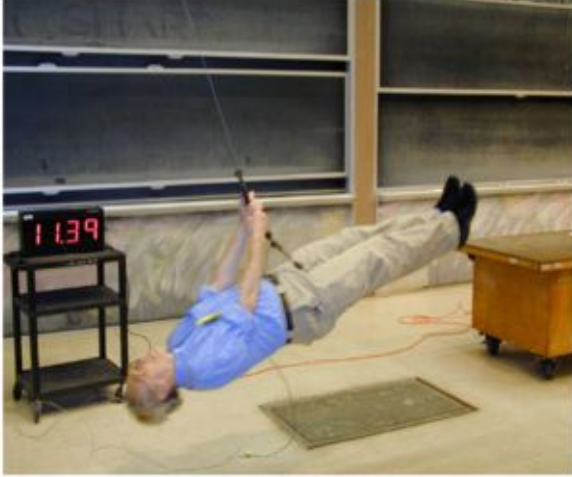
Home > Courses > Physics > Physics I: Classical Mechanics Email this page

> VIEW ALL COURSES

- > Course Home
- > Syllabus
- > Calendar
- > Lecture Notes
- > Assignments
- > Exams
- > Video Lectures
- > Discussion Group
- > Download this Course

Video Lectures

Special software is required to use some of the files in this section: [.mp4](#), [.rm](#).



Professor Walter Lewin demonstrates that the period of a pendulum is independent of the mass hanging from the pendulum. This demonstration can be viewed on the video of Lecture 10. (Image courtesy of Markos Hankin, Physics Department Lecture Demonstration Group).

The Video Index gives a breakdown of topics and the start time of the corresponding segment in each lecture. To access a particular segment, play the lecture in a RealPlayer window and adjust the slider bar to the designated start time.

These files are also [available for download from iTunes®](#).

STREAMING DOWNLOADABLE

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Rice Üni.- Connexions

Content Commons
Modüller
Modül grupları

The screenshot shows the Connexions website in a Windows Internet Explorer browser window. The address bar displays "http://cnx.org/". The website header includes the "CONNEXIONS" logo, navigation tabs for "Home", "Content", "About Us", and "Help", and a search bar with "Contact Us" and "Report a Bug" links. The main content area is divided into several sections:

- Connexions is:** A place to view and share educational material made of small knowledge chunks called modules that can be organized as courses, books, reports, etc. It lists three roles: authors, instructors, and learners.
- FEATURED CONTENT:** Three featured modules are listed: "Chemistry Concepts", "Understanding Basic Music Theory", and "Rationality". Each module includes a brief description and a small image.
- FIND CONTENT:** A section with a search bar, a "Go" button, and a "5194 reusable modules woven into 319 collections." statement. It also offers browsing options by subject, language, and popularity.
- CREATE CONTENT:** A section titled "Creating content in Connexions is as easy as 1, 2, 3:" with three numbered steps: 1. Get an account and log in to your workspace, 2. Make a module from scratch or convert it from a Word doc, 3. Publish your works, sharing them with the world.
- AUTHOR LOGIN:** A login form with fields for "Username" and "Password", a "Log in" button, and links for "Get an account" and "Forgot your password?".
- SPOTLIGHT:** A "User feedback" section featuring a photo of Jay Powers and a quote: "I love to find information on music theory that is clear; this site is clear. I am slowly teaching myself music theory to help me compose and improvise." followed by "More User Feedback...".
- CONNEXIONS NEWS:** A news section with several items, including "Connexions Featured in Educational Technology Magazine" and "Collection Printing Feature Now Available".

The browser's status bar at the bottom shows "Internet | Korunmalı Mod: Kapalı" and a zoom level of "100%".

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Rice Üni.- Connexions

The screenshot displays the Connexions website interface within a Windows Internet Explorer browser window. The address bar shows the URL: <http://cnx.org/content/#subject/Science%20and%20Technology>. The page features a navigation menu with 'Home', 'Content', 'About Us', and 'Help' tabs. A search bar is located in the top right corner, and a 'Search' button is positioned below it. The main content area is divided into several sections:

- Search for Content:** A search input field with a 'Search' button and a dropdown menu for 'Limit to:' with options for 'Title', 'Author', 'Collections', and 'All Subjects'.
- Browse Content:** A section with three columns: '1. BROWSE' (listing filters like Subject, Title, Author, Keyword, Popularity, Language, Revision Date, Institution, All Collections), '2. REFINE' (listing subjects like Arts, Business, Humanities, Mathematics and Statistics, Science and Technology, Social Sciences with their respective module and collection counts), and '3. VIEW' (displaying a list of modules under the 'Science and Technology' subject, including titles like 'Accent Classification using Neural Networks', 'Adaptive Filters', 'Algoritmos e Estruturas de Dados - Curso Intermediário', etc.).
- AUTHOR LOGIN:** A section with 'Username' and 'Password' input fields, a 'Log in' button, and links for 'Get an account' and 'Forgot your password?'.
- REPOSITORY:** A section showing 'Total Collections: 319' and 'Total Modules: 5194', with links to 'Visit a random collection' and 'Visit a random module'.

The browser's status bar at the bottom indicates the page is 'Internet | Korunul Mod: Kapalı' and the zoom level is set to 100%.

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Rice Üni.- Connexions

The screenshot shows a web browser window with the address bar displaying <http://www.college-cram.com/study/chemistry/presentations/304>. The page title is "Atoms and Molecules: Periodic Table". The main content area features a description of the periodic table, a list of contents, and a detailed periodic table itself. The periodic table is color-coded and includes labels for Metals, Non-Metals, and Transition Metals. Below the table, there is a section for "Americium" with its properties: Name: Americium, Atomic Mass: 243, Symbol: Am, Atomic Number: 95, Type: Transition Metal, Group: Actinides, Period: 7, Electronegativity: 1.9, and Electron Config: [Rn] 7s2 4f7. The page also includes a sidebar with navigation links, a "You're Here:" section, and several advertisements on the right side.

Atoms and Molecules: Periodic Table

Expanded View | Chemistry's Notebook Index

College-Cram.com: Chemistry: Atoms and Molecules: Periodic Table

Description: Examine chemical symbols, atomic masses, electronegativity, electron shell configuration, and more in this printable interactive periodic table of the elements. We have all the elements discovered thus far, and instructions on how to read the table.

This page is Sponsored by:

The Periodic table
All chemical elements Environmental and Health info
www.lennetech.com

Tulstar Products, Inc.
Tulstar offers Diethyl Ether. Worldwide chemical distribution
www.tulstar.com

Contents

1. Periodic Table
2. How to Use the Periodic Table

Examine chemical symbols, atomic masses, electronegativity, electron shell configuration, and more in this printable interactive periodic table of the elements. We have all the elements discovered thus far, and instructions on how to read the table.

Periodic Table How to Use Print This

Metals										Non-Metals																																																																																												
Transition Metals																																																																																																						
H	He	Li	Be	B	C	N	O	F	Ne	Na	Mg	Al	Si	P	S	Cl	Ar	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

Name: Americium Atomic Mass: 243
Symbol: Am Atomic Number: 95
Type: Transition Metal Period: 7
Group: Actinides
Electronegativity: 1.9
Electron Config: [Rn] 7s2 4f7

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Take this quick survey.

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Carnegie Mellon – OLI (Open Learning Initiative)

Gelişmiş ders tasarım yaklaşımı

Open Learning Initiative Free Online Courses - Windows Internet Explorer

http://www.cmu.edu/oli/

Open Learning Initiative Free Online Courses

home oli courses project overview publications & research contact us create an account

open learning initiative Carnegie Mellon

LOOK inside oli courses

website redesign

We are redesigning our site

We are currently in the process of redesigning our website.

Let us know if you need help fixing something.

upcoming events

2008 OLI Summer Workshops
July 7-11, 2008

TRACK 1 Faculty Course Use and Customization

TRACK 2 Developing Effective Online Courses using the OLI Tools, L and Processes

apply now

recent events

Opening Learning Interplay Symposium

The Opening Learning Interplay symposium was held on March 10-12, 2008 and we continue to have discussion around the topics presented.

OLI course designs improve learning outcomes

Using intelligent tutoring systems, virtual laboratories, simulations, and frequent opportunities for assessment and feedback, OLI builds courses that are intended to enact instruction – or, more precisely, to enact the kind of dynamic, flexible, and responsive instruction that fosters learning.

OLI free & open courses read in-depth story at Apple's education site

Measuring the Effectiveness of the OLI Statistics Course in Accelerating Student Learning

In this study, results showed that OLI-Statistics students learned a full semester's worth of material in half as much time and performed as well or better than students learning from traditional instruction over a full semester.

read more LOOK inside OLI Statistics

The AProS Project: Strategic Thinking & Computational Logic

The Proof Lab is a sophisticated interface for constructing natural deduction proofs L and is central, as strategically guided discovery of proofs is the distinctive focus of the OLI Logic & Proofs course.

Supporting Student Learning

One of the most powerful features of technology-enhanced learning environments is that they enable us to embed ongoing formative L assessment and feedback into instructional activities.

learn more LOOK inside OLI courses

Improving the Feedback Cycle

At Carnegie Mellon we are L integrating timely and targeted feedback for the students and real-time student progress reports for the L instructor to create an online learning environment that engages the student, improves learning and allows immediate adaptability L of instruction.

read more LOOK inside OLI Biology

login

ENTER YOUR OLI ACCOUNT ID

ENTER YOUR PASSWORD

Forgot your password?

LOGIN

Carnegie Mellon LOGIN THROUGH WPAISO

Carnegie Mellon ID and Password required.

multimedia

Take the OLI Tour

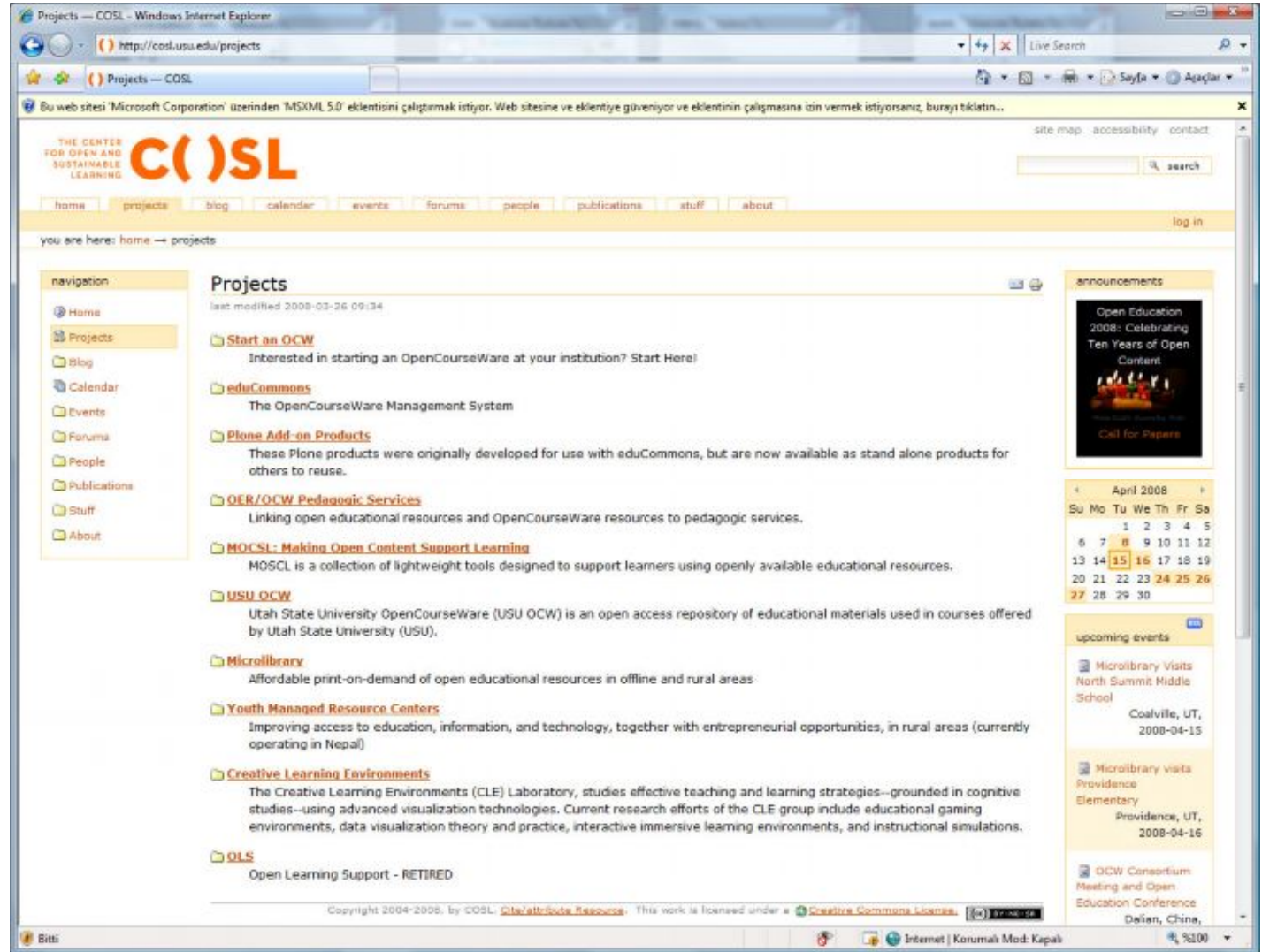
Internet | Kurumları Mod: Kapalı

100%

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Utah Üni. – COSL (Center for Open and Sustainable Learning)

Açık Öğrenme Kaynakları hazırlamaya yönelik destek araçları



The screenshot displays the COSL website in a Windows Internet Explorer browser. The address bar shows the URL <http://cosl.usu.edu/projects>. The website header includes the COSL logo and navigation links: home, projects, blog, calendar, events, forums, people, publications, stuff, and about. A search bar is also present. The main content area is titled "Projects" and lists several initiatives:

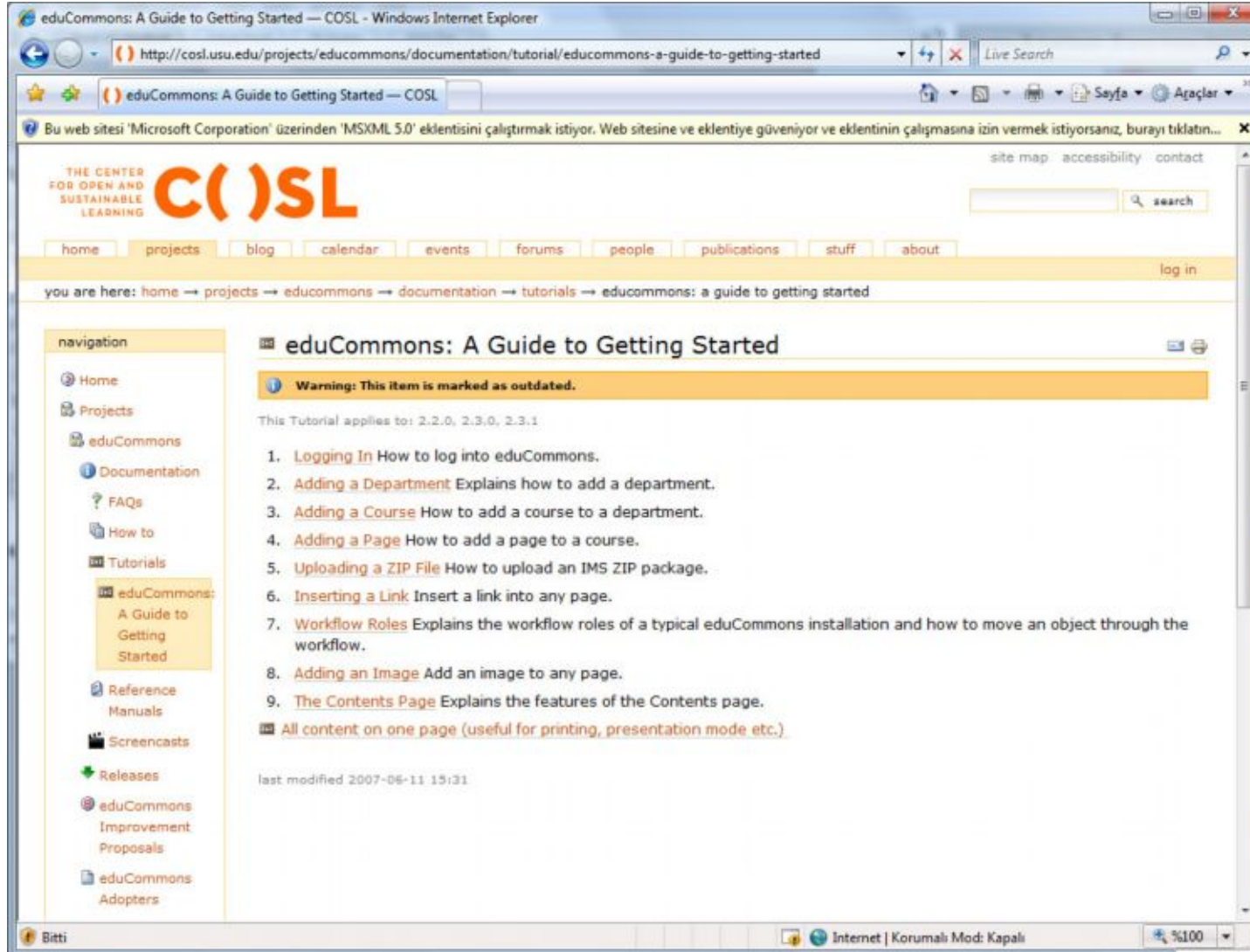
- Start an OCW**: Interested in starting an OpenCourseWare at your institution? Start Here!
- eduCommons**: The OpenCourseWare Management System
- Phone Add-on Products**: These Phone products were originally developed for use with eduCommons, but are now available as stand alone products for others to reuse.
- OER/OCW Pedagogic Services**: Linking open educational resources and OpenCourseWare resources to pedagogic services.
- MOSCL: Making Open Content Support Learning**: MOSCL is a collection of lightweight tools designed to support learners using openly available educational resources.
- USU OCW**: Utah State University OpenCourseWare (USU OCW) is an open access repository of educational materials used in courses offered by Utah State University (USU).
- Microlibrary**: Affordable print-on-demand of open educational resources in offline and rural areas.
- Youth Managed Resource Centers**: Improving access to education, information, and technology, together with entrepreneurial opportunities, in rural areas (currently operating in Nepal)
- Creative Learning Environments**: The Creative Learning Environments (CLE) Laboratory, studies effective teaching and learning strategies--grounded in cognitive studies--using advanced visualization technologies. Current research efforts of the CLE group include educational gaming environments, data visualization theory and practice, interactive immersive learning environments, and instructional simulations.
- OLS**: Open Learning Support - RETIRED

The right sidebar contains an "announcements" section with a graphic for "Open Education 2008: Celebrating Ten Years of Open Content" and a "Call for Papers" link. Below this is a calendar for April 2008, showing the 15th as the current date. Further down, there is an "upcoming events" section listing "Microlibrary Visits North Summit Middle School" in Coalville, UT, on 2008-04-15, and "Microlibrary visits Providence Elementary" in Providence, UT, on 2008-04-16. At the bottom, there is a link for "OCW Consortium Meeting and Open Education Conference" in Dalian, China.

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Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Utah Üni. – COSL (Center for Open and Sustainable Learning)



The screenshot displays a web browser window showing the COSL website. The browser's address bar shows the URL: <http://cosl.usu.edu/projects/educommons/documentation/tutorial/educommons-a-guide-to-getting-started>. The website header includes the COSL logo and navigation links: home, projects, blog, calendar, events, forums, people, publications, stuff, about. A search bar is also present. The main content area is titled "eduCommons: A Guide to Getting Started" and features a warning message: "Warning: This item is marked as outdated." Below this, a list of nine numbered items provides instructions for various tasks, such as logging in, adding a department, adding a course, adding a page, uploading a ZIP file, inserting a link, workflow roles, adding an image, and the contents page. A "All content on one page" link is also provided. The page was last modified on 2007-06-11 15:31. The browser's status bar at the bottom shows "Bitti" and "Internet | Korunmuş Mod: Kapalı".

eduCommons: A Guide to Getting Started — COSL - Windows Internet Explorer

http://cosl.usu.edu/projects/educommons/documentation/tutorial/educommons-a-guide-to-getting-started

eduCommons: A Guide to Getting Started — COSL

Bu web sitesi 'Microsoft Corporation' üzerinden 'MSXML 5.0' eklentisini çalıştırmak istiyor. Web sitesine ve eklentiye güveniyor ve eklentinin çalışmasına izin vermek istiyorsanız, burayı tıklayın...

site map accessibility contact

THE CENTER FOR OPEN AND SUSTAINABLE LEARNING **COSL**

home projects blog calendar events forums people publications stuff about

log in

you are here: home → projects → educommons → documentation → tutorials → educommons: a guide to getting started

navigation

- Home
- Projects
- eduCommons
- Documentation
- FAQs
- How to
- Tutorials
 - eduCommons:
 - A Guide to Getting Started
- Reference Manuals
- Screencasts
- Releases
- eduCommons Improvement Proposals
- eduCommons Adopters

eduCommons: A Guide to Getting Started

Warning: This item is marked as outdated.

This Tutorial applies to: 2.2.0, 2.3.0, 2.3.1

- [Logging In](#) How to log into eduCommons.
- [Adding a Department](#) Explains how to add a department.
- [Adding a Course](#) How to add a course to a department.
- [Adding a Page](#) How to add a page to a course.
- [Uploading a ZIP File](#) How to upload an IMS ZIP package.
- [Inserting a Link](#) Insert a link into any page.
- [Workflow Roles](#) Explains the workflow roles of a typical eduCommons installation and how to move an object through the workflow.
- [Adding an Image](#) Add an image to any page.
- [The Contents Page](#) Explains the features of the Contents page.

[All content on one page \(useful for printing, presentation mode etc.\)](#)

last modified 2007-06-11 15:31

Bitti Internet | Korunmuş Mod: Kapalı %100

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

OCW Consortium

The screenshot shows the OpenCourseWare Consortium homepage in a Windows Internet Explorer browser window. The browser's address bar displays the URL <http://www.ocwconsortium.org/>. The page features the OCW Consortium logo at the top left, with the tagline "Universities working together to advance education and empower people worldwide through opencourseware." and a link to "Learn more". Below the logo, there is a navigation menu with links for HOME, ABOUT US, MEMBERS, NEWS, FEEDBACK, FORUM, and HELP. A banner for the "OCWC CONFERENCE CHINA APRIL 24-27, 2008" is also visible. The main content area is divided into three columns: "USE Find Course Materials", "SHARE Share Your University's Courses", and "SUPPORT Support the OCW Movement". A large central image with the text "OPEN SHARING, GLOBAL BENEFITS" is overlaid on these columns. Below the main content, there is a "NEWS" section with several news items, each with a date and a link to the source. The browser's status bar at the bottom shows "İnternet | Korunaklı Mod: Kapanı" and a zoom level of "100%".

OpenCourseWare Consortium - Home Page - Windows Internet Explorer

<http://www.ocwconsortium.org/>

OpenCourseWare Consortium - Home Page

OCWC CONFERENCE CHINA
APRIL 24-27, 2008 >>

Universities working together to advance education and empower people worldwide through opencourseware. [Learn more](#)

HOME ABOUT US MEMBERS NEWS FEEDBACK FORUM HELP

USE
Find Course Materials

SHARE
Share Your University's Courses

SUPPORT
Support the OCW Movement

OPEN SHARING, GLOBAL BENEFITS

NEWS

Mon 14 Apr 2008 // Numbers that can change the world
[The Boston Globe](#)

Mon 14 Apr 2008 // Lauer-Charlier promote implementing online database OpenCourse Ware
[The Spectator \(University of Wisconsin - Eau Claire\)](#)

Fri 04 Apr 2008 // College posts courses online
[North Shore News](#)

Tue 01 Apr 2008 // Cap College puts course material on Web for free
[Canada.com - Global PC](#)

Fri 28 Mar 2008 // Free Online College Courses Are Proliferating
[The Wall Street Journal](#)

Sat 22 Mar 2008 // Personal learning, research: a re-look

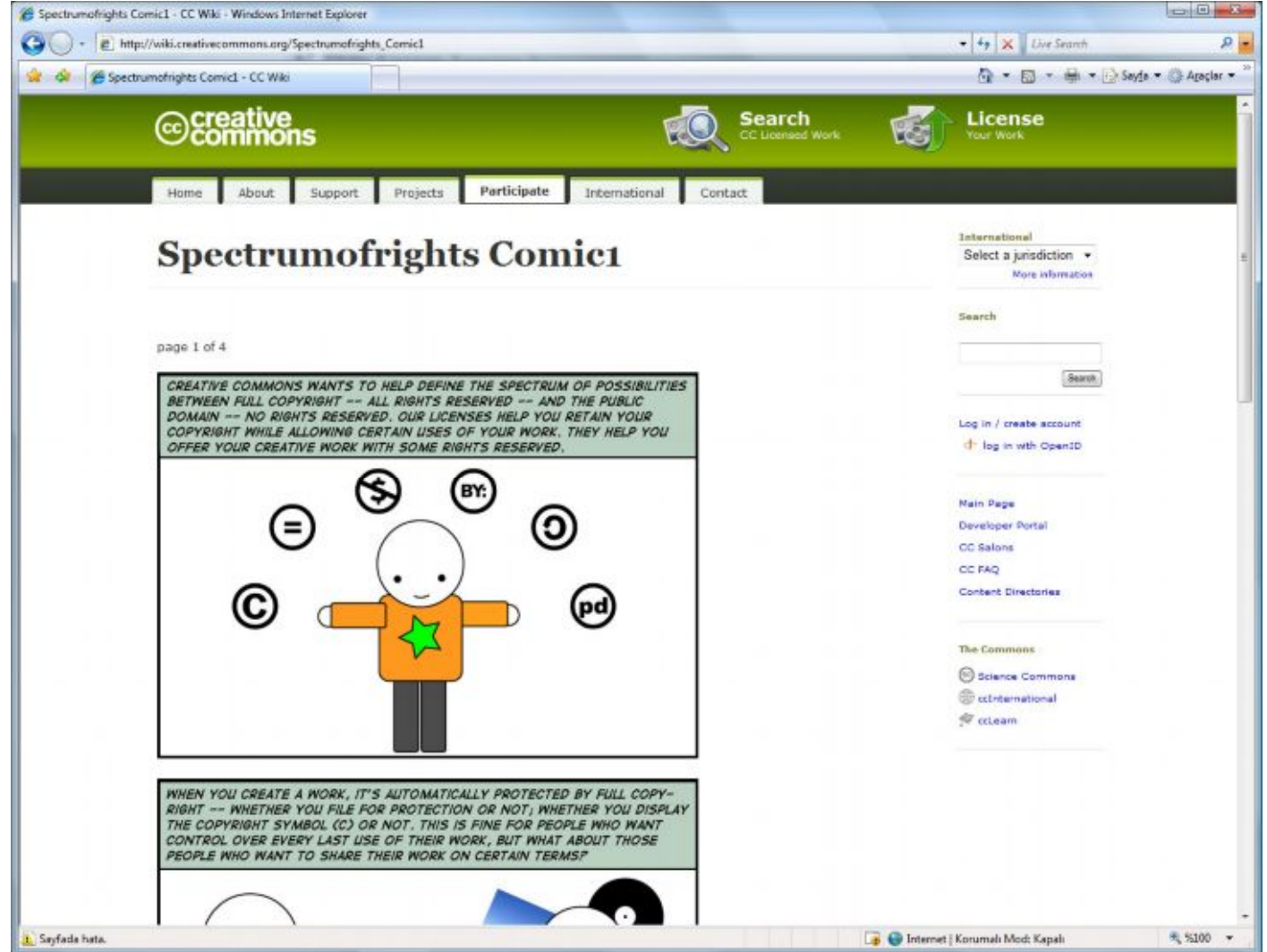
İnternet | Korunaklı Mod: Kapanı

100%

Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

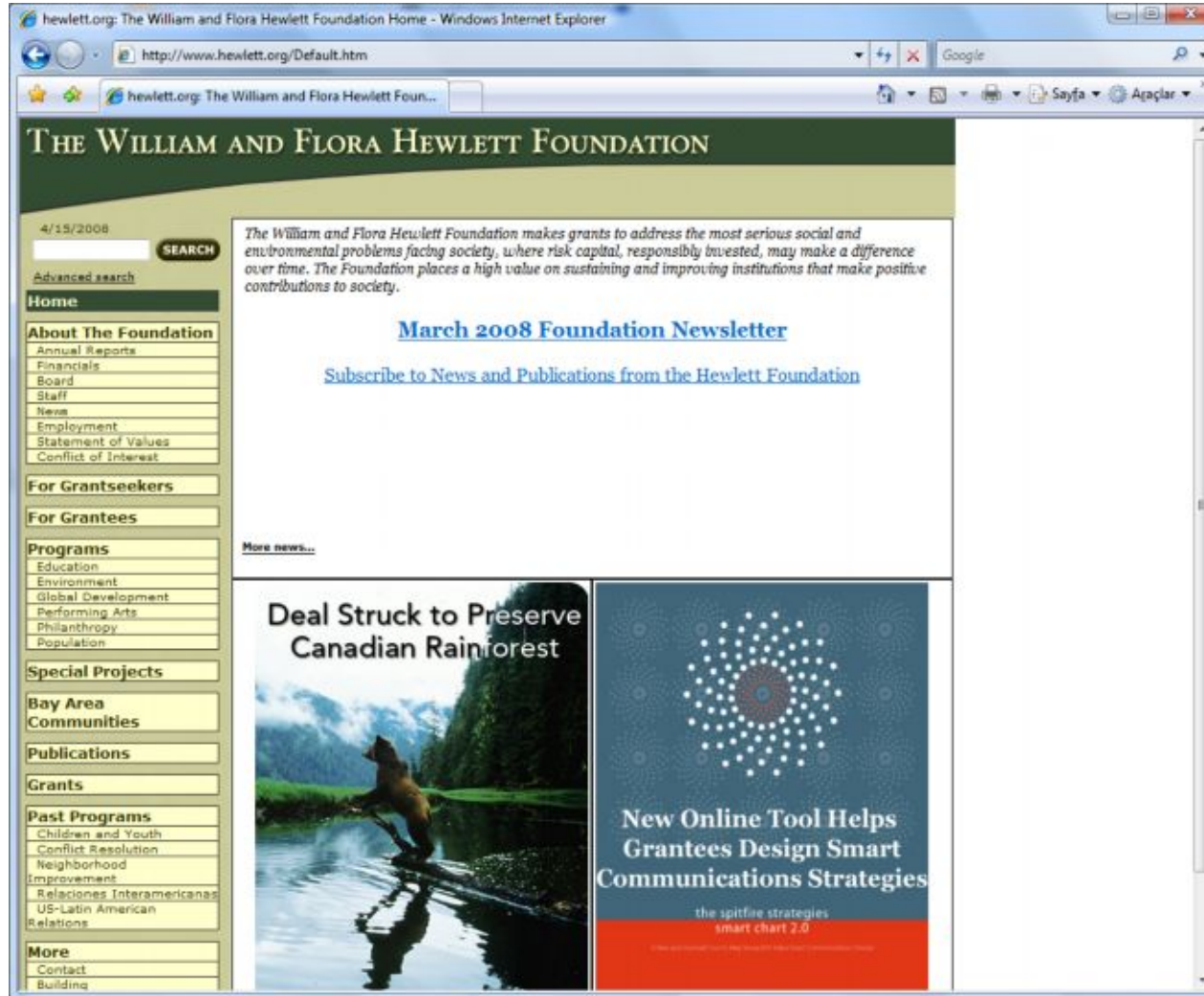
OER Commons

Açık Öğrenme
Kaynakları
için telif esnekliği



Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

The William & Flora Hewlett Foundation



Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

Diğer

Podcasting

iTunes U

Blogs & Wikis



Açık Öğrenme Kaynakları : Kurumlar, Farklı Modeller

OER Commons

The screenshot shows the OER Commons website in a Windows Internet Explorer browser window. The address bar displays "http://www.oercommons.org/". The page features a navigation menu with links for Home, OER, OER Matters, My Portfolio, About, Help, and Feedback. A search bar is located in the top right corner. The main content area is divided into several sections:

- Choose OER By:** A sidebar menu with categories like Subject Areas (Arts, Business, Humanities, Mathematics and Statistics, Science and Technology, Social Sciences) and Grade Levels (Primary, Secondary, Post-secondary).
- Linking You to Teaching and Learning Resources:** A central section with a welcome message and a featured resource titled "American Government" with a 5-star rating.
- OER Top Ten:** A section highlighting featured, most popular, highest rated, and new resources.
- Top 30 Tags:** A list of popular tags such as Art, Biology, Chemistry, Civil Society, Climate Change, Economics, Education, eLearning, Engineering, Evolution, Flu, French, Globalization, High School, Internet, Media, Methods, Music, Open Educational Resources, Oral History, Phylogenetics, Teaching Resource, Political Science, Psychology, Race, Research, Science, Social History, Teacher Skills, and Urban Writing.
- Sign Up to Receive e-News:** A registration form with a "SIGN UP NOW" button.
- Learn More About:** A section with links to OER, Course-Related Materials, Libraries and Collections, Searching, Subject Areas, Grade Levels, and My OER Portfolio.

The browser window also shows a status bar at the bottom with the text "Internet | Korunmalı Mod: Kapalı" and a zoom level of "100%".

AÇIK ÖĞRENME KAYNAKLARI

FIRSATLAR

Öğrenme kaynaklarının ucuza ve daha kısa sürede üretilebilmesi

Yeniden kullanım (re-use, yeniden bağlamlandırma, yerselleştirme)

Eser yayınlama imkanı olmayanları eğitim sürecine dahil etmesi,

AÇIK ÖĞRENME KAYNAKLARI

FIRSATLAR

Open and Participative Learning Infrastructure
(Açık ve Katılımlı Öğrenme Altyapısı)

AÇIK ÖĞRENME KAYNAKLARI

Öğrenme kaynaklarının öğrenenlere aktarılmasında bir seçenek olmaktan daha çok, eğitim öğretim sürecindeki oyuncuların rollerini yeniden tanımlayan bir paradigma değişikliği ...

AÇIK ÖĞRENME KAYNAKLARI

Engeller

Sürdürülebilirlik

Erişimin sağlanması ve düzenlenmesi

Nesnelerin büyüklüğü ve biçim farklılıkları

Fikri mülkiyet hakları

Kalite değerlemesi ve içerik zenginleştirme

Bilgi ve iletişim altyapısı

Gelişmekte olan ülkelerdeki etkilerinin genişletilmesi

TÜBA

Türkiye Açık Ders Malzemeleri Girişimi

23 Mart 2007: Ulusal Açık Ders Malzemeleri toplantısı; 24 üniversite, YÖK, TÜBİTAK ve DPT Temsilcileri

25 Mayıs 2007: Ulusal Açık Ders Malzemeleri Konsorsiyumu (UADMK) kuruluşu; 45 üniversitenin temsil edildiği Genel Kurul Toplantısı, konsorsiyum protokolünün imzalanması ve Yönetim Kurulu oluşturulması.

Konsorsiyum kapsamında, ders malzemelerinin gerekli teknik destek sağlanarak ULAKBİM tarafından oluşturulacak bir web ara yüzü üzerinden sunulması ve yeni geliştirilecek ders malzemelerinin TÜBİTAK tarafından proje bazında desteklenmesi öngörülmüştür.

TÜBA

Açık Ders Malzemeleri Girişimi

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Ulusal Açık Ders Malzemeleri Konsorsiyumu...

Ders malzemelerinin web sayfası üzerinden üniversite öğrencilerinin ve öğretim üyelerinin kullanımına sunulmasını sağlayacak Açık Ders Malzemeleri Konsorsiyumu, Türkiye Bilimler Akademisi'nin öncülüğünde hayata geçiriliyor. İlgili protokol 34 üniversite, YÖK ve TÜBA arasında imzalandı. Konsorsiyumun ilk genel kurul toplantısı 25 Mayıs 2007'de gerçekleştirildi...

Ayrıntılı bilgi için...

Bilgi paylaştıkça büyür...

Haberler

Prof. Dr. A. Ekrem ÖZKUL' un Akademi Bilgi 08 konferansında yaptığı 'Türkiye Açık Ders Malzemeleri Girişimi' isimli sunumu...

eduCommons yazılımının kurulumu ve ODTÜ'deki yapılandırılmasına yönelik bilgiler...

Ulusal Açık Kaynak Ders Malzemeleri projesi ile ilgili Hürriyet gazetesinde 8 Haziran 2007 tarihinde çıkan haber...

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Ne Yapılacak?

Açık Ders Kaynakları: İzence (Syllabus), Takvim, Ders Notları, vb. ders malzemelerinin web üzerinden yayınlanması

- Varolan ders malzemelerinin açık ders malzemesi haline dönüştürülmesi
- Yeni ders malzemeleri üretilmesi
- MIT vb. OCW ders malzemelerinin çevirisinin yapılması
- MIT vb OCW ders malzemelerini esas alarak yapılacak katkılarla “zenginleştirilmiş” içerikler elde edilmesi

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Nasıl Yapılacak?

- Bir ders ders yönetim yazılımı (edocommons) yardımıyla açık ders kaynakları oluşturulacak
- Üniversitenin web sitesinde ve/veya Ulakbim sunucusu üzerinden yayınlanacak

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Gerekli Düzenlemeler

- İlgili kurumlarla işbirliği: TÜBİTAK/TÜBA/YÖK

TÜBİTAK: Proje desteği

YÖK : Açık Ders Kaynakları Yönetmeliği

Atama ve Yükseltme Yönetmeliklerine ek

- Konsorsiyumun hukuki statüsü
- Yerleşik bir organizasyon

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Kim Yapacak?

Öğretim üyesi

Teknik destek elemanı (ekibi)

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Uygulama Süreci



COSL: Center for Open and Sustainable Learning

Ulusal Açık Ders Malzemeleri Konsorsiyumu

Kurumsal Deneyimler

ODTÜ – Ankara Üniv. – Anadolu Üniv. –TOBB Üniv.

Teşekkürler.