Introduction to
Open Educational Resources (OER)

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OPEN EDUCATIONAL RESOURCES
Definition of OER

The term “Open Educational Resource(s)” (OER) refers to educational resources that are freely available for

- use (access)
- reuse (copy)
- adaptation (modify)
- sharing (redistribute)

(Foote 2005, Doyle 2005)
“Educational Resources” can include

- full courses
- curriculum
- course materials
- learning objects
- content modules
- textbooks
- white papers
- simulations
- labs
- collections
- journals
- tools
- and more!
“OPEN” means

A resource can be considered “open” if it is licensed in a way that allows you to...

- Reuse
  - Use the work verbatim (unaltered), without having to ask permission
- Revise
  - Alter or transform the work to meet your needs
- Remix
  - Combine the (verbatim or altered) work with other works for enhanced effect
- Redistribute
  - Share the verbatim, reworked, or remixed work with others.

- Each of these things can be done with traditionally copyrighted material, but requires more effort and resources.

(Wiley, 2007)
Creators choose a set of conditions they wish to apply to their work...

**Attribution**
- You let others copy, distribute, display, and perform your copyrighted work — and derivative works based upon it — but only if they give credit the way you request.

**Share Alike**
- You allow others to distribute derivative works only under a license identical to the license that governs your work.

**Noncommercial**
- You let others copy, distribute, display, and perform your work — and derivative works based upon it — but for noncommercial purposes only.

**No Derivative Works**
- You let others copy, distribute, display, and perform only verbatim copies of your work, not derivative works based upon it.

[www.creativecommons.org](http://www.creativecommons.org)
... resulting in a license that indicates how others may use it.

www.creativecommons.org
OER Process

- OER is not just content, it is also a process of engaging with the materials and with others.

- This process involves
  - sharing materials that you have created, either individually or in groups with other teachers and/or learners
  - using and adapting others’ materials for your own use
  - sharing back modifications to or comments about others’ materials so that future users can benefit.

- OER is much more than a collection of resources. It is more than a thing. It is also a process that is dependent upon teachers and learners who continuously improve the resources, and share their use scenarios so that others can also benefit. It is also about collaborating to create materials.

(From the OER Commons Wiki)
Why OER?

- Improves access to learning opportunities
  - Save time, cut costs
  - Alternative to the rising cost of education
  - Contributions to a pool of learning resources can circumvent barriers to access and improve education as a social good

- New way of teaching and learning that is more collaborative and participatory
  - Move from content creation to content co-creation
  - Become part of a growing community

- Materials can be adapted and localized to fit the specific audience need
Example of OER: WikiEducator

Nutrition, Food Groups and Balanced Diet

Contents

1 Nutrition
2 Nutrients
3 Food groups
4 Fruits and vegetables
5 Grains, bread, cereal, pasta
6 Fish, meat, poultry, eggs, nuts and beans
7 Milk and other dairy products
8 Fats and oils
9 WATER
10 Fibre

Nutrition

This is an exciting topic. It covers everything to do with what we eat, when we eat, how much we eat, how meals are prepared and making choices that will help us look good and feel good. Eating the right foods and responding to what our body needs is called having a balanced diet.

Balanced diet

A healthy diet is a diet that does not contain excessive quantities of fat, sugar or salt, and that has contains essential nutrients. These nutrients provide enough energy, growth and repair elements, vitamins and minerals for the body to function at peak efficiency.

Nutrients

There are six main classes of nutrients that the body needs:

- carbohydrates
- proteins
- fats
- vitamins
- minerals
- water

It is important to consume these six nutrients on a daily basis to build and maintain healthy bodily function. Poor health can be caused by an imbalance of nutrients, either
Example of OER: OpenCourseWare

180.655.01 Baltimore Food Systems: A Case Study of Urban Food Environments

Description

This seminar-style course challenges students to look closely at the environment of Baltimore City’s complex food systems and to consider what it would take to improve these systems to assure access for all to nutritious, adequate, affordable and sustainably produced food. Students ‘go backstage’ with tour guides at sites including a supermarket, a corner store, an emergency food distribution center, and a farm connected to the city school system. Students learn about the types of food available at these sites, who uses them, relevant aspects of their operations, and site-relevant key

Instructors
Roni Neff and Anne Palmer

Originally Offered
Spring 2009

Offered By
Department of Environmental Health Sciences
Example of OER: Connexions

Search for Content

74 results for: nutrition

Limit search to:  
- Title
- Author
- Collections
- All Subjects

Search

Recent Searches
- nutrition [24 matches]
- "Science and Technology" (subject) nutrition [25 matches]

(What are modules and collections?)

View: Detail | Compact | Statistics

Sort by: | Relevance |

Results per page: 10

[1] 2 3 4 ... 8  Next 10 »

Nutrition (m20895)

Author: gert beaudenhout

Die and nutrition (m22234)

Author: gert beaudenhout

Nutrition and health (m20007)

Author: gert beaudenhout

Subject: Science and Technology
Language: English
Popularity: 8.35%
Revised: 2009-03-20
Revisions: New

Subject: Humanities
Language: English
Popularity: 46.38%
Revised: 2009-04-21
Revisions: New

Subject: Science and Technology
Language: English
Popularity: 16.42%
Revised: 2009-03-20
Where to find OER: OER Commons

www.oercommons.org
Where to find OER: OCW Consortium

www.ocwconsortium.org

OCW COURSE FINDER BETA

Search for free online courses from prestigious higher education institutions around the globe. Our search index currently contains 3,742 courses from 45 sources and 7 languages, and growing! Of course, you can still use the Google search found on our Use page for more general searching. While this search tool is in BETA status, we would love to hear your feedback on how it works for you. Please let us know by emailing feedback@ocwconsortium.org.

We also share all the course feeds used in this search engine through this validated OPML feed: https://ocwconsortium.org/ocw-course-finder-opml

Search for "nutrition" (including variations) returned 22 hit(s) in 4 second(s).

Course Search Results

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Source</th>
<th>Language</th>
<th>Relevance</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPM 121 Nutrition and Medicine, Fall 2016</td>
<td>Tufts University</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>International Nutrition</td>
<td>Johns Hopkins Bloomberg School of Medicine</td>
<td>English</td>
<td></td>
</tr>
</tbody>
</table>
OER Links

- OER Sources, Searches, and Repositories (just a few!)
  - www.oercommons.org
  - www.wikieducator.org
  - www.ocwconsortium.org
  - www.cnx.org
  - www.curriki.org
  - www.merlot.org
  - www.wikiversity.org

- OER Handbook
  - www.wikieducator.org/OER_Handbook

- OER Reports
  - www.olcos.org/english/roadmap
  - www.oecd.org/dataoecd/35/7/38654317.pdf
Next Steps

- How can your unit/organization...
  - use OER
  - contribute OER
References

- Creative Commons. [http://creativecommons.org](http://creativecommons.org)


- OER Commons. [http://oercommons.org](http://oercommons.org)