

# OER Publishing Program

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# What are Open Educational Resources?

## OER defined

- 1 online courses
- 2 videos, apps
- 3 animations
- 4 Presentation slides
- 5 course syllabi
- 6 documents, modules, textbooks
- 7 quizzes, assignments, case studies
- 8 Solution manuals
- 9 Lab manuals
- 10 Problem books

## Why use OER?

- 1 increase access to education - **ACCESS**
- 2 increase/generate cost savings - **COST**
- 3 enhance quality - **Quality**
- 4 help students assess and plan education
- 5 attract & engage students, showcase profile
- 6 convert explorations to fee-paying enrollments
- 7 add value to knowledge production
- 8 reduce faculty preparation time
- 9 generate innovation through collaboration
- 10 create more adaptable courses

# How are OER used in teaching?

## Teaching & Learning

- 1 Use in LMS for courses
- 2 Use in Modules for courses
- 3 Providing electronic course content
- 4 To aid rapid development of courses
- 5 Facilitating easier sharing/collaboration with others
- 6 Easily archive courses for reuse/remix/adapt
- 7 Provide students with accessible, no cost, quality materials
- 8 Provide resources optimised for given courses

# Tools for OER development

## Tools for developing OER

- 1 Office 365
- 2 Libre Office, OpenOffice, WPS Office Writer
- 3 Google Docs
- 4 Latex - Windows, Linux, Mac
- 5 LyX - Windows, Linux, Mac
- 6 TeXLive - Windows, Linux, Mac
- 7 Pressbooks
- 8 Libretexts
- 9 OpenAuthor
- 10 Rebus Open Textbook Community
- 11 OpenStax Hub
- 12 FreeOffice TextMaker
- 13 Scientific Workplace

## Licensing options for OER

Several licensing options are available for OER.

### Creative Commons

From <https://creativecommons.org/about/cclicenses/> various options available:

- 1 CC BY - credit given to author
- 2 CC BY-SA - credit given to author, shared under same license
- 3 CC BY-NC-SA - credit to author, share under same license, noncommercial uses
- 4 CC BY-ND - credit to author, no derivatives or adaptations permitted
- 5 CC BY-NC - credit given to author, only noncommercial uses
- 6 CC BY-NC-ND - credit to author, noncommercial uses, no derivatives permitted
- 7 CCO - Public Domain

# Open Licensing types

















	 PUBLIC DOMAIN	 PUBLIC DOMAIN	 BY	 BY SA	 BY NC	 BY ND	 BY NC SA	 BY NC ND
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 BY	✓	✓	✓	✓	✓	✗	✓	✗
 BY SA	✓	✓	✓	✓	✗	✗	✗	✗
 BY NC	✓	✓	✓	✗	✓	✗	✓	✗
 BY ND	✗	✗	✗	✗	✗	✗	✗	✗
 BY NC SA	✓	✓	✓	✗	✓	✗	✓	✗
 BY NC ND	✗	✗	✗	✗	✗	✗	✗	✗

Figure: CC Compatibility Chart

See <https://creativecommons.org/faq/> for clarification.

# Licensing options for OER

Free and Open Source Software(FOSS) licenses

## Other licenses

- 1 GNU General Public License - <https://www.gnu.org/licenses/gpl-3.0.html>
- 2 Free Software Foundation (FSF) - <https://www.fsf.org/>
- 3 Free Software licenses - [https://en.wikipedia.org/wiki/Free-software\\_license](https://en.wikipedia.org/wiki/Free-software_license)
- 4 Free and open source software licenses - FOSS

# Search sites for OER

## Sources for OER on the Internet

Many search sites, fast growing list:

- 1 openstax.org - Rice University's OER site
- 2 <https://www.oercommons.org/>
- 3 <https://www.cccoer.org/learn/find-oer/> CCCOER search site
- 4 <https://www.commonspaces.eu/oers/search/>
- 5 <https://www.hippocampus.org/>
- 6 <https://archive.org/details/education>
- 7 <https://oer.deepwebaccess.com/oer/desktop/en/search.html>
- 8 <https://www.merlot.org/merlot/index.htm>
- 9 <https://oasis.geneseo.edu/>
- 10 <https://start.me/p/QRDO7R/find-oer>



## Sources for OER on the Internet

- 1 <https://open.umn.edu/opentextbooks/>
- 2 <https://open.umich.edu/>
- 3 <https://www.openbookpublishers.com/>
- 4 <https://pdxscholar.library.pdx.edu/pdxopen/>
- 5 <https://aimath.org/textbooks/approved-textbooks/>
- 6 <https://textbooks.opensuny.org/>
- 7 <https://libretexts.org/>
- 8 <https://open.bccampus.ca/browse-our-collection/find-open-textbooks/>
- 9 [staging.pressbooks.directory](http://staging.pressbooks.directory)
- 10 <https://about.muse.jhu.edu/muse/open-access-overview/>
- 11 [http://www.gutenberg.org/help/new\\_website.html](http://www.gutenberg.org/help/new_website.html)

# What is Open CourseWare?

## Definition(Open Education Consortium)

An OpenCourseWare (OCW) is a free and open digital publication of high quality college and university-level educational materials. These materials are organized as courses, and often include course planning materials and evaluation tools as well as thematic content. OpenCourseWare are free and openly licensed, accessible to anyone, anytime via the internet.  
Open Education Consortium

## Definition(Hewlett Foundation)

OCW sites present university course content on the Web, free for use and re-use. The content includes course descriptions and purpose, syllabi, problem exercises, calendars, tests, lecture notes and occasionally video lectures, simulations, and other materials.  
Hewlett Foundation

## OCW Principles

According to the OCW Consortium, an OCW project:

- is a free and open digital publication of high quality educational materials, organized as courses.
- is available for use and adaptation under an open license, such as certain Creative Commons licenses.
- does not typically provide certification or access to faculty.

## Open Course Ware

Search sites include:

- 1 <https://phet.colorado.edu/>
- 2 <http://www.cool4ed.org/>
- 3 <https://www.skillscommons.org/>
- 4 <https://open.ems.psu.edu/courses>
- 5 <https://lumenlearning.com/courses/>
- 6 <https://ocw.mit.edu/index.htm>
- 7 <https://ocw.jhsph.edu/>
- 8 <http://opencourselibrary.org/>
- 9 <https://oyc.yale.edu/>
- 10 <https://leanpub.com/msdr>
- 11 <https://www.merlot.org/merlot/index.htm>
- 12 <https://open.umich.edu/find/find-open-educational-resources>
- 13 <https://www.khanacademy.org/>
- 14 <https://archive.org/>
- 15 <https://repository.duke.edu/dc>
- 16 <https://open-video.org/index.php>
- 17 <https://www.ted.com/>