OPEN EDUCATION

HOW TO USE OPEN EDUCATION RESOURCES IN MY COURSE

Why not use Open Educational Resources (OER) if you have to create your course from scratch or want to renew your course?

WHAT ARE OPEN EDUCATIONAL RESOURCES?

Open Educational Resources (OER) are "teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use and re-purposing by others."
Source: The William and Flora Hewlett Foundation

Watch [this video](#) to learn more about OER:

OER allow users to

• Retain: users have the right to make, archive, and own copies of the content.
• Reuse: content can be reused in its unaltered form.
• Revise: content can be adapted, adjusted, modified, and altered.
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• Redistribute: copies of the content can be shared with others in its original, revised or remixed form.

Open Textbooks are released with an open license (usually a Creative Commons license), which allows them to be copied, shared and revised.

OER Repositories contain more than just open textbooks. They also contain other digital learning materials such as:

• Full courses
• Modules
• Syllabi
• Lectures

• Homework assignments
• Quizzes
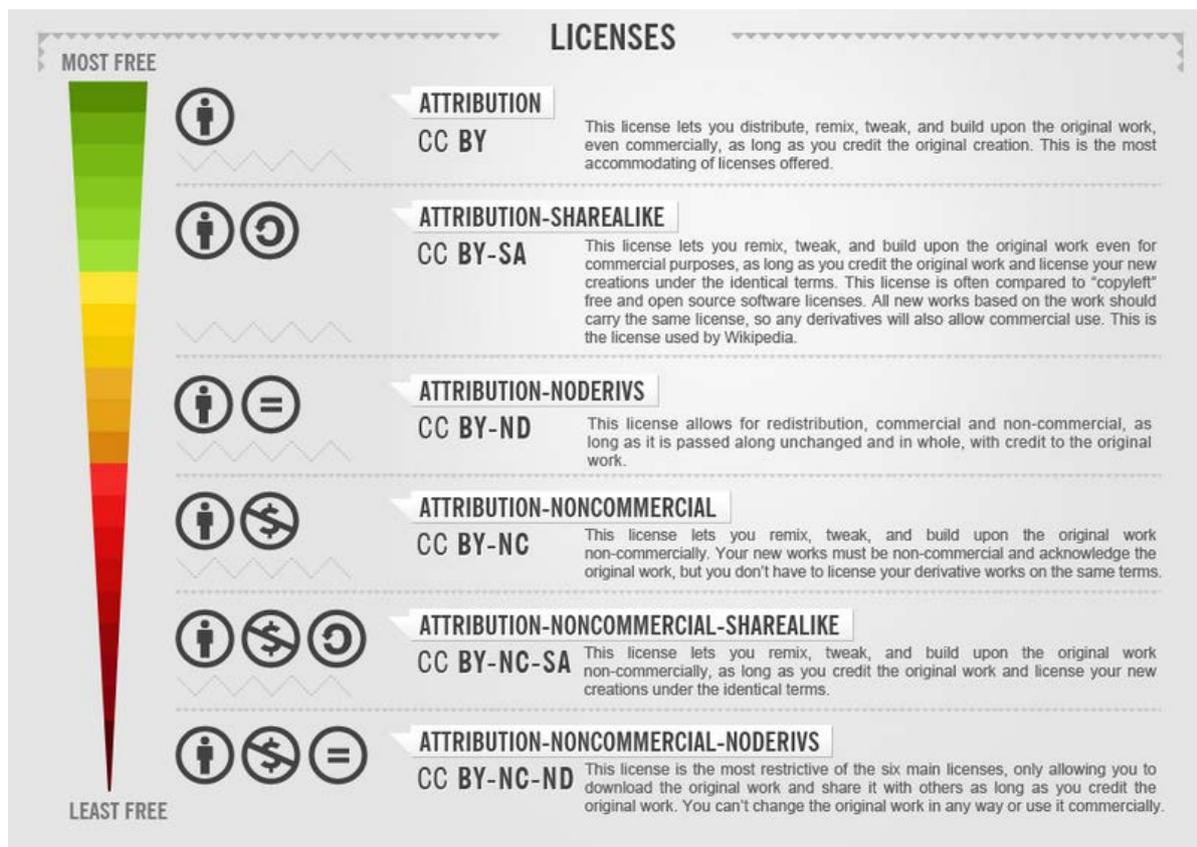• Lab activities
• Games simulations

AND HOW CAN YOU USE OER?

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For a good attribution you need to include the following information:

- **Title** of the work
- The name of the **creator** of the work
- The **URL** where the work is hosted
- The **type of license** under which the work is available; and a **link** to the details of the license

A good rule of thumb is to use the acronym **TASL**, which stands for **T**itle, **A**uthor, **S**ource, **L**icense.

With this tool you can build your attribution properly (click on the image to visit the website).

When you modify a work, let it know in the attribution by adding the sentence: "Desaturated from original".

Lastly, don't make it too complicated. Just make sure your attribution is reasonable and suited to the medium you're working with. That being said, you still have to include attribution requirements somehow, even if it's just a link.

There are countless openly available course materials in a variety of disciplines, if you know where to locate them. The TU Delft Library has gathered the best repositories with open course materials for you. **ACADEMIC EARTH**	**AMSER** APPLIED MATH AND SCIENCE EDUCATION REPOSITORY	
Academic Earth built a collection of free online college courses from the world's top universities.	AMSER is a portal of **educational resources** and **services** built specifically for use by those in **Community** and **Technical Colleges** but **free** for anyone to use.	Welcome to the Archive's library of Open Educational Resources and university lectures. This library contains hundreds of free courses, video lectures, and supplemental materials from universities in the United States and China.
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Study *Engineering* via the best free online courses & MOOCs from top universities and colleges.	is a JISC-funded Service in Development in UK Further and Higher Education, to collect and share learning and teaching materials, allowing their reuse and repurposing.	Open Assessments! Learningpod is an online library of practice and assessment questions. They offer some of the best questions from publishers like Kaplan and open education partners like Open Course Library and OpenStax College.
LearningSpace Explore | Try | Study	**MERLOT** Multimedia Educational Resource for Learning and Online Teaching	**MITOPENCOURSEWARE** MASSACHUSETTS INSTITUTE OF TECHNOLOGY
The UK Open University Learning Space has 600 free online courses available from introductory to postgraduate level. All courses are licensed with Creative Commons.	Is a free and open online community of resources designed primarily for faculty, staff and students of higher education from around the world to share their learning materials and pedagogy.	MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.
Mooc List	**O E R COMMONS**	**Open Learning Initiative** Transforming higher education through the science of learning
List of MOOCs offered by the best Universities and Entities.	OER Commons has forged alliances with over 500 major content partners. Users can search across over 42,000 vetted and fully-indexed OER ensuring a high level of resource relevancy and discovery.	The Carnegie Mellon University Open Learning Initiative (OLI) is a grant-funded group at Carnegie Mellon University, offering innovative, Creative Commons licensed, online courses to anyone who wants to learn or teach.

OpenupEd	**Open Yale courses**	**PENNSTATE Open Educational Resources** An Initiative at THE COLLEGE of EARTH AND MINERAL SCIENCES
OpenupEd is an open, non-profit partnership offering MOOCs that contribute to open up educationOpenupEd is an open, non-profit partnership offering MOOCs that contribute to open up education	Open Yale Courses features the video lectures of 42 renowned courses that are being taught at Yale. Each course includes a full set of video lectures accompanied by other course materials such as syllabi, suggested readings, and problem sets.	The College of Earth and Mineral Sciences at Pennsylvania State University provides open course materials in various topics including Energy and Mineral Engineering, Geography, Geoscience, and Materials Science. Each full course package includes a syllabus, readings, and assignments.
saylor.org FREE EDUCATION	**open culture**	**OPEN EDUCATION CONSORTIUM** The Global Network for Open Education
Is a free and open collection of college level courses developed by a team of experienced college professors to fulfill the same learning objectives as traditional college courses. Courses are licensed using Creative Commons.	The best free cultural & educational media on the web	The Open Education Consortium in collaboration with MERLOT offers a search engine on OER (Open Educational Resources). OER are openly licensed online educational materials that allow teachers and students to freely use, share, and modify.
open.michigan	**TheOrangeGrove** Florida's Open Educational Resource Repository	**PhET** Over 75 million simulations delivered
Find stuff and use it. Freely. Welcome to our collection of educational resources and learning experiences from the University of Michigan. Access a range of course materials, videos, software tools, student work and more.	Florida's digital repository for instructional resources.	PhET provides fun, interactive, research-based simulations of physical phenomena for free..
Physlet® Physics 2nd Edition	**SKILLS COMMONS** open for learning	**UCDAVIS STEM Wiki** Think Outside The Book
Physlet Physics consists of various types of interactive curricular material.	Skills Commons is the official repository of all deliverables from the US Department of Labor (DOL)'s Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant Program.	The UC Davis STEMWiki Hyperlibrary, consisting of seven interconnected "STEMWikis," focuses on augmenting post-secondary education in multiple STEM (Science, Technology, Engineering and Mathematics) fields.

wamap.org	**webcast.berkeley**	**Xpert**
WAMAP is a web based mathematics assessment and course management platform, primarily used for online homework. Its use is provided free to Washington State public educational institution students and instructors.	Webcast.berkeley provides hundreds of video/audio recordings of class lectures and special events. They are either the recordings of the real classroom lectures or the slideshows with narration.	**XPERT (Xerte Public E-learning ReposiTory)** project is a JISC funded rapid innovation project to explore the potential of delivering and supporting a distributed repository of e-learning resources created and seamlessly published through the open source e-learning development tool called Xerte Online Toolkits.

WHERE CAN I FIND OPEN TEXTBOOKS?

An **open textbook** is a textbook licensed under an open copyright license, and made available online to be freely used by students, teachers and members of the public. Many open textbooks are distributed in either print, e-book, or audio formats that may be downloaded or purchased at little or no costs.

Here are some websites that offer Open Textbooks

BCcampus connect.collaborate.innovate.
Open textbooks for the 40 highest enrolled first- and second-year subject areas in the British Columbia's public, post-secondary system.
bookboon.com
European eBook publisher with 1000+ textbooks freely available to download. E-books are primarily in business/economics, engineering/natural sciences and IT.
Focused on driving awareness and adoptions of open and peer-reviewed textbooks to more than 2,000 community colleges.
THE GLOBAL TEXT PROJECT
Joint venture between the University of Georgia and University of Denver business schools. Provides a free library of thousands of texts on various topics.

MERLOT II

Multimedia Educational Resource for Learning and Online Teaching (MERLOT) is a curated resource of free and online textbooks for use in teaching and learning.

OER COMMONS
OPEN EDUCATIONAL RESOURCES

Provides college-level open textbooks from higher education institutions around the world.

openstax

Initiated by Rice University, their free textbooks are developed and peer-reviewed to ensure they meet the scope and sequence requirements of college courses.

Open Textbook Library

Created by the University of Minnesota to support development of high-quality open textbooks in various subjects.

OPEN SUNY OER Textbooks Services

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