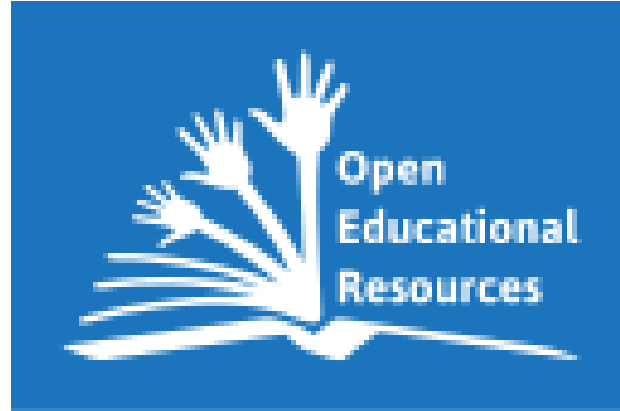
The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides of the frame, creating a modern, dynamic feel. The central area is white, providing a clean space for the text.

Open Education Resources In Academic Libraries

Seeking Alternatives to High-Cost Textbooks



What are Open Educational Resources?

Definition

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 repurposing by others.

- William and Flora Hewlett Foundation.

Open Educational Resources: The 5Rs Framework

Retain

Reuse

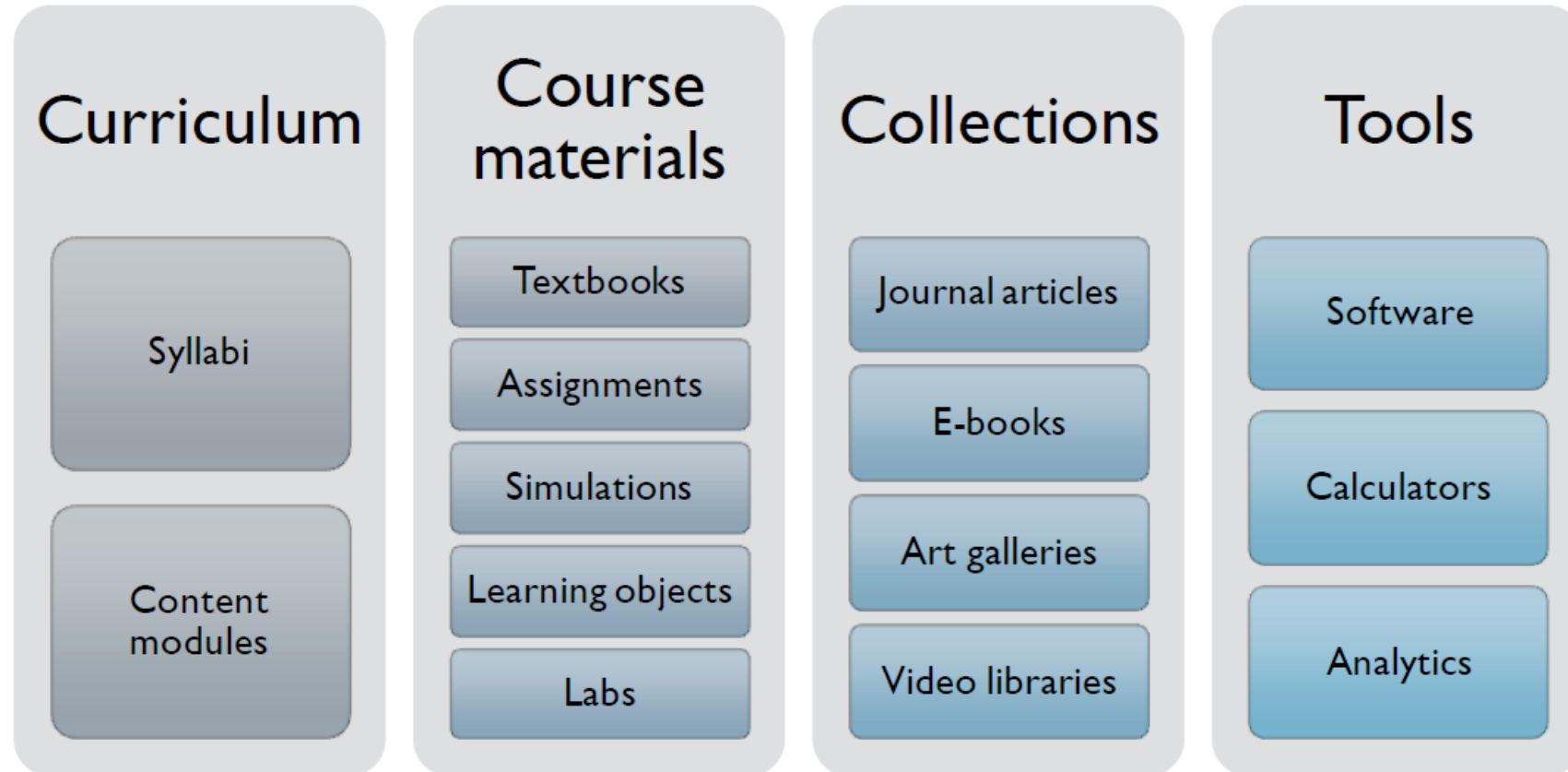
Revise

Remix

Redistribute



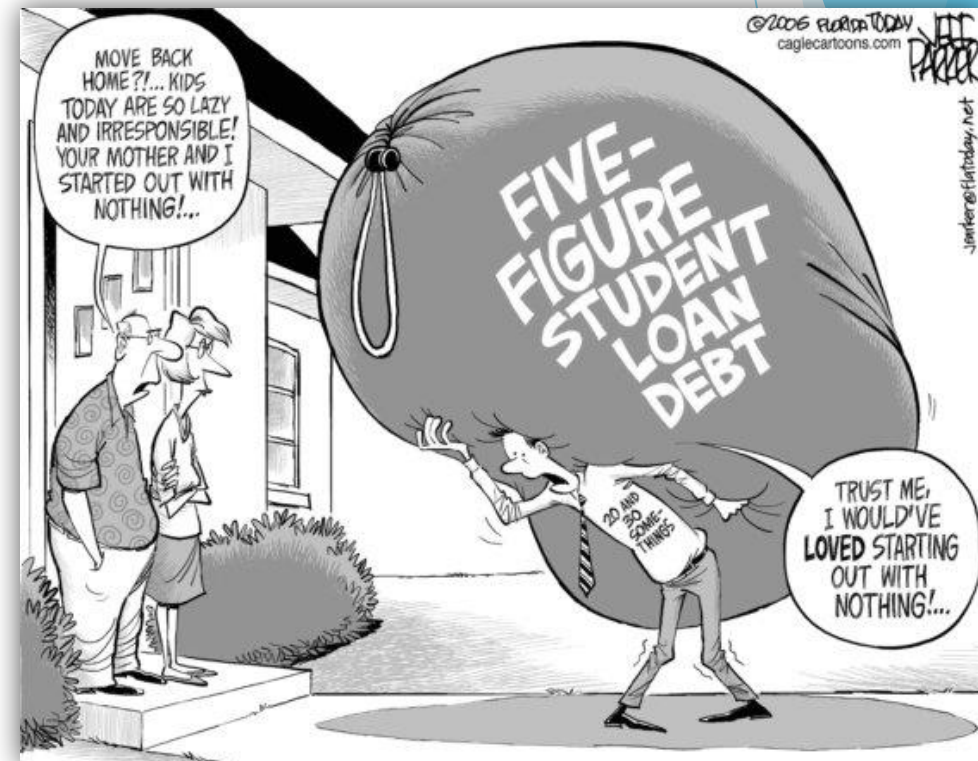
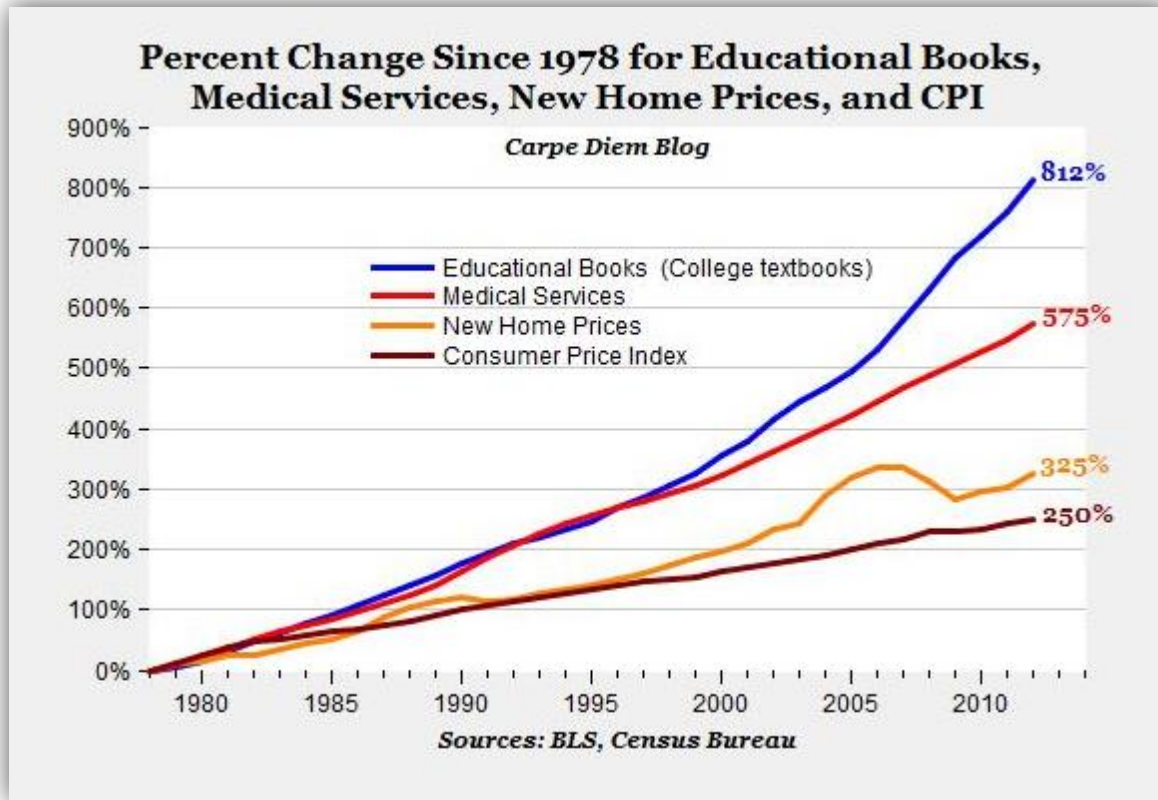
OERS Include



Research on Cost of Textbooks

UNCG Student thoughts

Why Open Education?

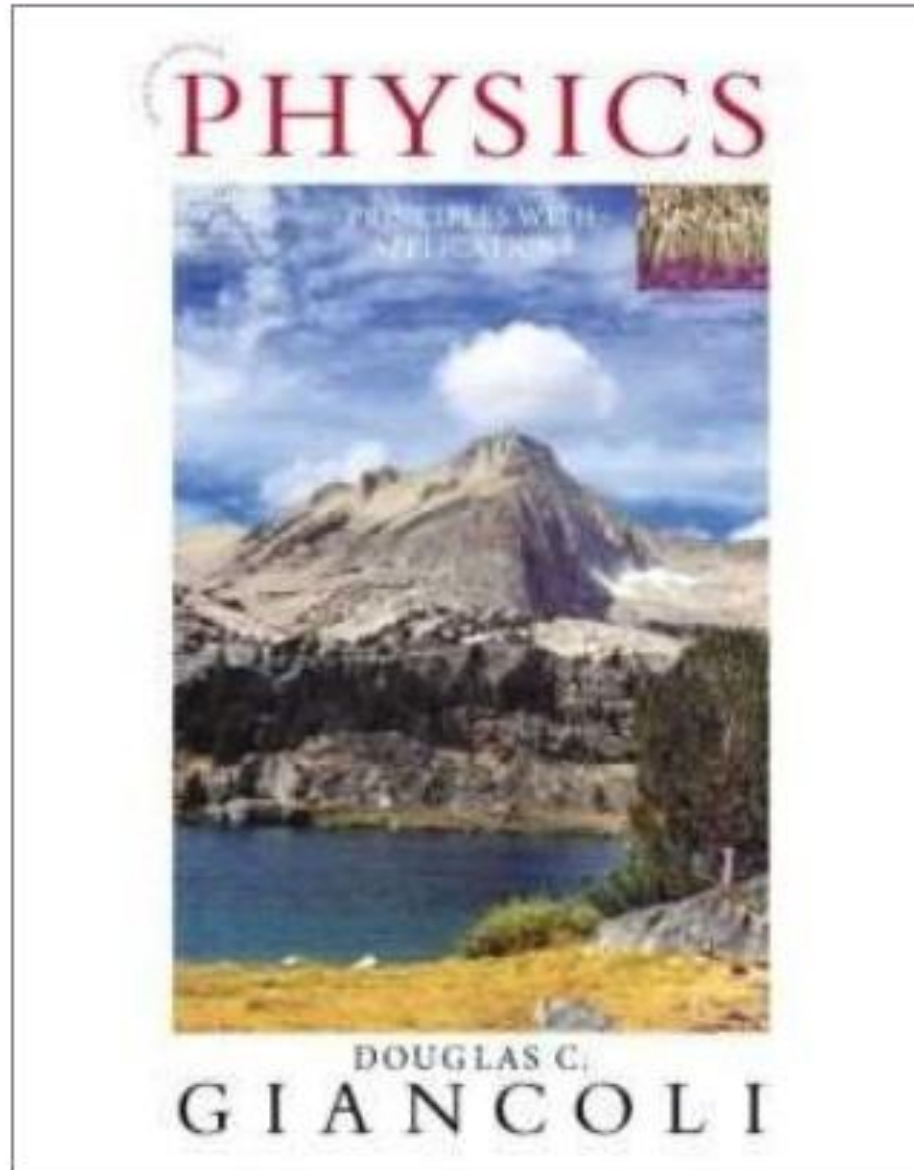


“I stopped buying textbooks my second semester here.” - Marieme T., library student assistant

Student Public Interest Group report 2016

- ▶ Survey of 5,000 students
- ▶ Nearly one third (29.7%) used financial aid to pay for their textbooks
- ▶ Students using loans to would pay an additional \$34.72 for a \$150 textbook

<http://studentpirgs.org/reports/sp/covering-cost>



Physics: Principles With Applications, 7th Edition by Douglas C. Giancoli



TEXTBOOKS APPAREL GIFTS

PHY 211 01 SPRIN



PHYSICS:PI

RECOMMENDED (By)

EDITION: 7TH 14

PUBLISHER: PEARSON

from \$103.99 - \$241.60

RENT USED \$108.70
(Return by 05/06/2015)

SAVE
55%

RENT NEW \$157.05
(Return by 05/06/2015)

BUY USED \$181.20

BUY NEW \$241.60

RENT eTEXTBOOK \$103.99

BUY eTEXTBOOK \$155.99

Savings calculated off the new book price



Search the Library

search

Browse Subjects

Accounting & Finance

Business, Management & Marketing

Computer Science & Information Systems

Economics

General Education

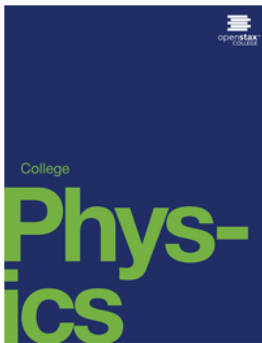
Humanities & Language

Law

Mathematics & Statistics

Natural & Physical Sciences

Social Sciences



Openstax College

Adopt this book now

Formats Available

- [Online](#) (\$0.00)
- [PDF](#) (\$0.00)
- [Hardcover Color](#) (\$48.50)

College Physics

Multiple Authors, Openstax College

Pub Date: 2012



[\(6 reviews\)](#)

ISBN: 1-9381680-0-3

ISBN 13: 978-1-9381680-0-0

At a Glance

- [Table of Contents](#)
- [About the Author\(s\)](#)
- [Reviews](#)

Conditions of Use

[Attribution](#)

CC BY



About the Book

This introductory, algebra-based, two-semester college physics book is grounded with real-world examples, illustrations, and explanations to help students grasp key, fundamental physics concepts. This online, fully editable and customizable title includes learning objectives, concept questions, links to labs and simulations, and ample practice opportunities to solve traditional physics application problems.

Table of Contents

Open Educational Resources (OER): HOME - What are OER?

HOME - What are OER?

WHAT can LEARNERS do with OER? ▾

WHAT can EDUCATORS do with OER? ▾

MOOCs and OERs

HOW to support OER?

OER- Mini Grants

OER Definitions

- The William and Flora Hewlett Foundation
"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. Open educational resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge."
- OECD (Organization for Economic Co-operation and Development)
"digitised materials offered freely and openly for educators, students, and self-learners to use and reuse for teaching, learning, and research. OER includes learning content, software tools to develop, use, and distribute content, and implementation resources such as open licences."
- SPARC's OER
Open Educational Resources are teaching, learning, and research resources released under an open

What is here for you?

On this section of the guide you can discover information about:

- What are OER?
- Oer Definitions
- What are OER and Creative Commons (video)?
- Types of OER
- History of OER
- Open Educatin is Changing the Rules (video)
- Search articles about OER

What are OER?

Various definitions have been given for Open Educational Resources (OER).

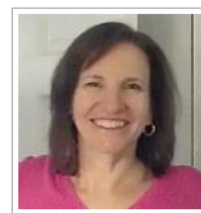
One of the most widely accepted is:

Open Educational Resources (OER) are **teaching, learning and research materials in any medium** that reside in the **public domain** and have been released under an **open license** that permits access, use, repurposing, reuse and redistribution by others with no or limited restrictions (Atkins, Brown & Hammond, 2007).

On the **Creative Commons Wiki** there is a summary of some OER definitions and a table that shows common and different points in the different definitions.

	Open copyright license required	Right of access, adaptation, and republication	Non-discriminatory (rights given to everyone, everywhere)	Does not delimit "educational resources" to specific use or form (does not include Non-Commercial definitions)
Hewlett Foundation				
OECD				
UNESCO				

Contact Beth Bernhardt



Beth Bernhardt

Contact:
ph: 336-256-1210

Jackson Library

PO Box 26170

Greensboro, NC 27402

Email me: beth_bernhardt@uncg.edu

Search articles about OER

Search articles about Open Educational Resources in Google Scholar

<http://uncg.libguides.com/oer>

Mini Grants

- ▶ 10 stipends were granted
- ▶ Goal was to encourage faculty to use low-cost or free alternatives to expensive course materials
 - ▶ Open-access scholarly resources
 - ▶ Library-licensed and owned resources
 - ▶ Learning objects and text created by the faculty

Cost Savings

Course	Number of students in the class	Cost of Textbook	Savings
CHE 342	93	\$154	\$ 14,322.00
CED 777B and D	8	\$100	\$ 800.00
POL260/240	85	\$180	\$ 15,300.00
ART 100	147	\$175	\$ 25,725.00
CED 756A	8	\$412	\$ 3,296.00
HDF 212	192	\$211	\$ 40,512.00
ATY 453	20	\$80	\$ 1,600.00
ARH 112	215	\$171	\$ 36,765.00
BUS/ENT 201	90	\$80	\$ 7,200.00
BUS/ENT 240	40	\$70	\$ 2,800.00
BUS/ENT 340	30	\$60	\$ 1,800.00
ENG101 - *by fall 2016	990	\$65	\$ 64,350.00
TOTAL	1918		\$ 214,470.00

Return on Investment

Average textbook cost	\$111.82
Cost for University Libraries and Provost Office combined (one time)	\$10,000.00
Gross Savings	\$214,470.00
Return on investment	\$204,470.00
ROI Ratio	21.45

Student Survey Quotes

- ▶ “The lack of a textbook had a positive impact on my performance in this course. My professor gave us the materials that he needed us to study and focus on, instead of me sifting through a 600pg textbook. It helped me focus on the important material. Also the reduced cost is much much appreciated, especially on a college student budget.”
- ▶ It was wonderful not having a textbook. Any extra reading materials were on point and helpful, and the lectures were very well done. The notes were easy to follow and thorough

Student Survey Quotes

- ▶ I truly appreciated the resources over a traditional text book. I connected more with the resources and it was less expensive.“
- ▶ I appreciated the fact that I didn't have to spend money on a textbook!
- ▶ The resources provided were incredible in providing relevant information. The instructor did a great job of providing the material. I think that the financial burden of textbooks is one that is sometimes unavoidable but when it can be avoided I believe it is beneficial to the student. I am very thankful for the instructor working so hard to ease the students of this burden.
- ▶ I believe that this method of teaching is great, and I have learned just as much as I would using a textbook.

East Carolina's Course-Adopted eTextbook (CAT) Program

- ▶ Begun by then-Assistant Director Patrick Carr spring semester 2015
- ▶ Receive list of required textbooks from the bookstore
- ▶ Identify ebook versions we can purchase with unlimited simultaneous users
- ▶ Contact professors and make purchases
- ▶ Bookstore carries print for those students who want it

East Carolina's Course-Adopted eTextbook (CAT) Program

- ▶ Continued each fall and spring semester
- ▶ Added already-available ebooks
- ▶ Put all available by title or by prefix on LibGuide:
<http://libguides.ecu.edu/coursetexts>
- ▶ Spring 2016: 171 ebooks for 56 depts./programs

CAT Purchases by Semester

	Spring 2015	Fall 2015	Spring 2016
#Books Purchased:	34	23	49
#Books Already Owned:	44	70	122
CATs Offered:	78	93	171
Total Expended:	\$2,974.82	\$3,431.30	\$3,253.63
Total Student Costs:	\$20,010.71	\$27,517.90	\$43,538.11

CAT Impact

- ▶ ROI: $\$91,066.72 / \$9,659.75 = \$9.43$
- ▶ Faculty: 74 professors, 4 multiple semesters
- ▶ 85 Classes
- ▶ 1,931 Students (not unique)



Bookstore Partnership

- ▶ Working with bookstore managers
- ▶ OER covered in their association literature
- ▶ Recent programs:
 - ▶ OpenStax partnership with NASCORP
 - ▶ B&N program with XanEdu to create custom materials



open**stax**™

BARNES & NOBLE
COLLEGE

Next Steps

- ▶ ECU piloting Alternative Textbook program
 - ▶ 15 professors selected
 - ▶ "Adapt, adopt, or create"
 - ▶ Stipend for summer switchover
 - ▶ Classes to be offered fall 2016



A New CAT: Combined Alternative Textbook Program

- ▶ Joint grant application from both ECU and UNCG Libraries
- ▶ Combining the Alternative Textbook and the Course Adopted eTextbook projects
- ▶ To be done at both universities
- ▶ Share practices, expertise



OER Resources

- ▶ Open Textbook Library - <http://open.umn.edu/opentextbooks/>
- ▶ Open Textbook Network - UNC Greensboro just joined in September
<http://research.cehd.umn.edu/open/join-us/>
- ▶ Open Library of Humanities - <https://www.openlibhums.org/>
- ▶ OpenStax College - <https://openstaxcollege.org/>
- ▶ Affordable Learning Georgia -
<http://www.affordablelearninggeorgia.org/>
- ▶ SPARC - List of OER Project and Policies -
<http://www.sparc.arl.org/resource/list-oer-projects-policies>

Questions?

Beth Bernhardt

Assistant Dean for Collection
Management and Scholarly
Communications

University of North Carolina
Greensboro

Beth_Bernhardt@uncg.edu

336-256-1210

Joseph Thomas

Assistant Director for
Collections and Scholarly
Communication

East Carolina University

thomasw@ecu.edu

252-737-2728