

Course Design and OER: What You Need to Know



Lorin Heaton



Ashleigh Y. Paulk



Christy Talley Smith



USG eCore: Historical Context

First & largest online collaborative in Georgia

Began in 2000

Core curriculum online

Successful model for Georgia and beyond

More than 61,000 course enrollments since 2000

Fall 2015- Twenty USG Affiliate Institutions



2015 eCore Affiliate Schools



Meeting the Needs of Learners



Helping USG campuses meet demand for high need classes to avoid bottlenecks

Increased options for students

Online Delivery, Short & Full Sessions

Financial savings to students

Decreased Tuition Rate, Open Education Resources (OER), MOOC

Serving non-traditional populations

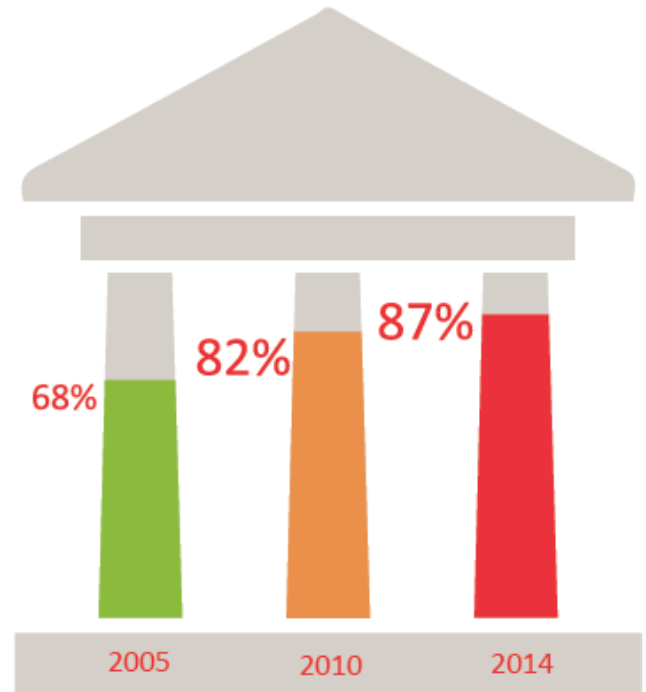
Adult Learners, Military, and Joint/
Dual

USG eCore

eCore

- successful USG collaborative providing increased institutional capabilities
 - online programs
 - efficient operations
 - proven course quality and outcomes

Course Completion Rate



eCore OER Beginnings



- University Press of North Georgia
 - http://upnorthgeorgia.org/?page_id=2181
- MERLOT
 - <http://www.merlot.org>
- College Open Textbooks
 - www.collegeopentextbooks.com
- PDF and EPUB versions available
- Traditional print version

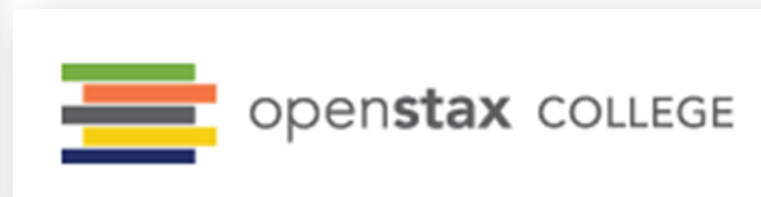
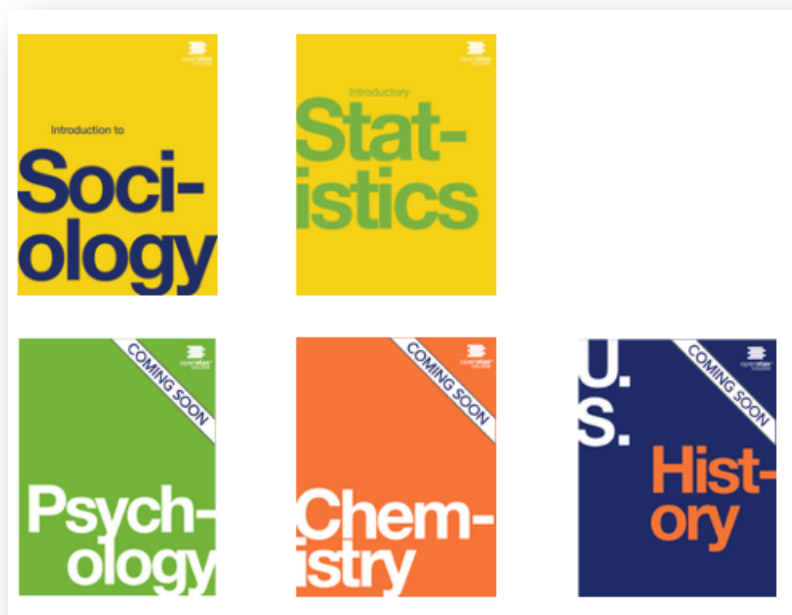
Collaborating For Success

- UPNG
- ALG
- OpenStax



USG eCore & OpenStax

http://openstaxcollege.org/pages/university_system_of_georgia



Dollars & Sense

OER Savings by Course			
Course	Traditional Text	Edition	Cost [New] (2014)
ENGL-1101	New Century Handbook-Text	5th	\$ 86.24
ENGL-1101	Sundance Reader	7th	\$ 88.50
ENGL-1102	Literature for Composition: Essays, Stories, Poems, and Plays	10th	\$ 85.36
ENGL-1102	New Century Handbook-Text	5th	\$ 86.24
ETEC-1101	Understanding Computers in a Changing Society	6th	\$ 114.66
HIST-2111	America: Narrative History, Brief-Volume One	8TH	\$ 168.13
HIST-2111	Bibliobase : History 2111: Survey Of...		\$ 30.00
MATH-1101	Modeling, Functions, and Graphs : Algebra ..	4th	\$ 224.91
MATH-1111	College Algebra-Text	9th	\$ 215.57
MATH-1113	Precalculus	9th	\$ 174.22
MATH-1401	Essentials of Statistics - With CD	5th	\$ 146.13
MATH-1501	Calculus : Single Variable	7th	\$ 135.09
PHYS-1211K	Physics for Scientists and Engineers, Volume 1	6th	\$ 137.44
PHYS-1211K	Physics Lab Experiments (Custom)		\$ 40.00
POLS-1101	American Government - 2010 Election Update	11th	\$ 31.92
SOCI-1101	Sociology: A Down-to-Earth Approach - Text Only	12th	\$ 192.16

Cost of Traditional Text calculated by Amazon purchase price of current edition of a new, hard copy text. Cost doesn't include shipping.

eCore Course Teams

Course Revision

- Subject Matter Experts (USG Faculty)
- eCore Instructional Designer
- Academic Semester

Course Development

- SMEs
- Instructional Designer
- Academic Semester per Phase
- Three Phases of Course Development

Open Educational Resources

Increasing College Access

Improving Course Completion

Growing Student Success

<https://ecore.usg.edu/courses/textbooks.php>



eCore®

Georgia's College Core-Curriculum... Online



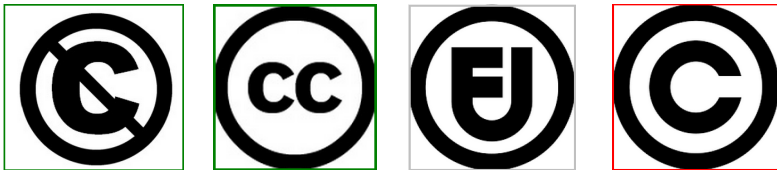
What's the intended purpose?



→ **Purpose** → **Amount**

↓
Type

License ← **Usage**



← **Flexibility**

Introducing Students to OER



Include a statement of how the OER is utilized

Create multiple, highly-visible access points

List available print options

Provide full-text access

Provide navigation tutorials and tips

OER Delivery: Introduction to Sociology

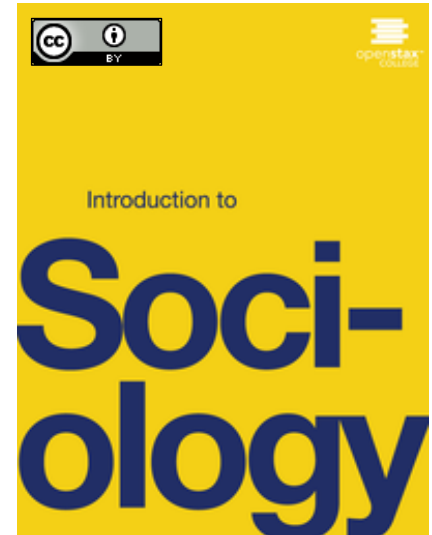
Implemented Fall 2014

Creative Commons License: CC BY

Minimal customization

Selected chapters embedded as PDFs

Ancillaries – Test bank and Chapter PowerPoints



OER Delivery: Introduction to Sociology


Readings


Introduction to Sociology Open-Source Textbook

- Chapter 5 - "Socialization"
- Chapter 8 - "Media and Technology"

Introduction to Sociology readings for Lesson 4 are provided on the following content pages. **NOTE:** The PDF reading pages may take a moment to fully appear within GoVIEW. If you would prefer to download the chapter(s), you can do so by clicking on the download button at the bottom of the page. You can also click [HERE](#) to access the full-text version.


Lesson 4: Socialization ▾

 Download


 Print


Expand All | Collapse All

33.33 % 5 of 15 topics complete


 LESSON 4 ADVANCED ORGANIZER ▾ ✓


LESSON 4 READINGS ▾

 Chapter 5 - Socialization



✓

 Chapter 8 - Media and Technology



•

OER Delivery: American Literature I

Pre-Colonial America and Colonial Settlements

Unit 2 Advance Organizer

UNIT OBJECTIVES

- Identify the social, political, and economic motivations behind the explorations and efforts at colonization by Europeans in the Americas as revealed in their narratives and histories.
- Identify the chief attitudes of the English settlers in Virginia and Massachusetts to the Native Americans.
- Identify the ways in which Early American histories and journals serve as promotional documents for colonization and the creation of various "ideals" of America.
- Identify the chief characteristics of Puritanism in early America.
- Identify the chief characteristics of the captivity narrative.
- Identify the chief characteristics of Puritan poetry, especially meditative poetry.
- Recognize the role of gender and gender conflicts in the literature of seventeenth-century America.

READINGS

- Lesson Content
- [Sioux Creation Story](#)
- [Navajo story, "Coyote, Skunk, and Prairie Dogs"](#)
- Christopher Columbus, selections from [Letter to King Ferdinand](#) (1493)
- Christopher Columbus, selections from [Letter to King Ferdinand](#) (1503)
- John Smith, [General History of Virginia](#) (1624)
- John Smith, [Description of New England](#) (1616)
- John Winthrop, selections from [A Model of Christian Charity](#) (1630)
- John Winthrop, selections from [Journal](#) (1630-1649)
- John Winthrop, selections from [Speech to the General Court](#) (1645)
- [Excerpts from Anne Hutchinson's trial](#)
- Mary Rowlandson, [A Narrative of the Captivity and Restoration of Mrs. Mary Rowlandson](#) (1682)
- Anne Bradstreet, ["The Prologue" to The Tenth Muse](#) (1660)
- Anne Bradstreet, ["To My Dear and Loving Husband"](#)
- Anne Bradstreet, ["A Letter to Her Husband, Absent Upon Public Employment"](#)

is now revered as a prototype of freedom of conscience and religious activity for women, not an easy accomplishment in the 1630s during the period in which Winthrop was the most powerful man in New England.

READINGS:

Click on the link(s) below to access your reading assignment for this lesson:

- John Winthrop, selections from the [Journal](#) (1630-1649) - **required** ←
- For a fuller account by Winthrop of Hutchinson and the Antinomian Crisis, see *A Short Story of the Rise, Reign and Ruin of the Antinomians* (1644), in the [Journal](#), vol. 1, pp. 242-55 - **optional** ←

Implemented Fall 2014

Combined multiple web resources

Aligned OER content with assignments

OER Delivery: American Literature I

HANNAH FOSTER

New Add Existing Activities

Hannah Foster: Introduction

Hannah Foster: The Coquette

Hannah Foster: Questions for Study

Unit 3 Discussion 2

Answer one of the following questions in this category: narrow and focus your answer and also support your response with examples and/or quotes from the readings.

1. Wheatley is our first published African American poet, but she does not overtly criticize slavery in her poetry. Does she actually criticize the practice of slavery; if so, how does she do this in her poetry? Cite examples from her poems. Why do you think she is so subtle in her criticism? What could her reasons be in 18th century America?
2. Discuss Tyler's description of the "sentimental" hero and heroine, Col. Manly and Maria. What do you find of value in these characters? Are they too idealistic? In what ways is Van Rough the most realistic character in the play.
3. Contrast Eliza and her role as an anti-model of the sentimental heroine to that of Maria in Tyler's *The Contrast*. Which character has the better qualities and why?
4. Do you think Foster is offering a critique of Eliza, providing a model to young female readers of the dangers of being a coquette and becoming a "fallen woman" (she gives in to passion over reason)? Or is Foster subverting that model by presenting the difficulties women faced in pursuing the same kind of freedom men possessed in determining their life choices (she seeks individualism over conformity)?

Once you have completed your initial post, read and respond to at least 1 of your peers.

Unit 3 Quiz: Toward a National Literature

Reading Quiz – Unit 3: Toward a National Literature

IMPORTANT NOTE: Be sure to review the "Questions for Study" sections in this Unit prior to beginning this quiz. These questions are designed to help you prepare for this reading assessment.

Toward a National Literature

Royall Tyler

Test your understanding of the assigned reading selections before moving on to the next lesson. These questions are designed to help prepare you for the reading comprehension quiz at the end of the unit.

QUESTIONS FOR STUDY

1. Examine the larger "contrast" between Europe and America in this play. In what ways is it similar to Crèvecoeur's "What is an American"? Is there an "agrarian" aspect to Tyler's portrayal of American virtue.
2. Discuss Tyler's depiction of the "sentimental" hero and heroine, Col. Manly and Maria.
3. Discuss the major characteristics of sentimental comedy as depicted in this play.

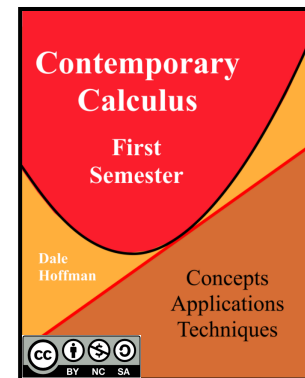
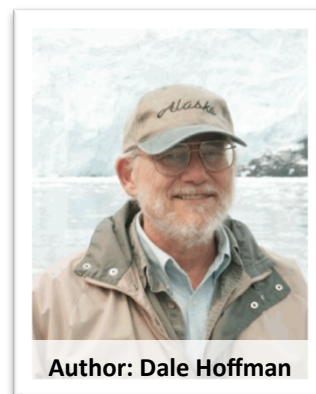
OER Delivery: Calculus I

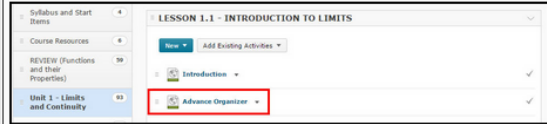

Implemented Spring 2014

Creative Commons License:
CC BY-NC-SA

Collaborative effort to remix OER

Customized chapters embedded as
PDFs



Title:	<i>Contemporary Calculus: First Semester (Open Text)</i>
Author:	Dale Hoffman
Publisher:	CreateSpace
Edition/Year:	2013
Access:	<p>The assigned reading selections are available from the "Advance Organizer" within each Lesson:</p>  <p>Note: If you prefer a hard copy of the course textbook - versus the free online version- you may purchase one at https://www.createpace.com/4341863.</p>
Additional Information:	<p>This work is licensed under a Creative Commons / CC BY-NC-SA 3.0 license.</p> 

OER Delivery: Mathematical Modeling

Implemented Spring 2014

Creative Commons License:
CC BY-NC-SA 2.5

Highly targeted practice & review
sections linked throughout content
modules

Enhanced with multimedia

The screenshot displays the OER interface. At the top, the 'LESSON 1 ADVANCE ORGANIZER' is visible, listing various sections like 'Introduction', 'Example - Sales Tax', and 'Restrictions on Domains'. A blue arrow points from the 'LESSON 1 Supplemental Readings and Practice Activities' dropdown to the 'Lesson 1: Part 1 Text Supplemental Resources' link. Below this, the 'Lesson 2: Introduction to Functions' page is shown, which includes a table of resources for 'Part 1: Solving Linear Equations Symbolically' and 'Part 2: Solving Graphically'.

Lesson 2: Introduction to Functions

Below are some additional resources from your online textbook for certain sections of the lesson. These are to be read and done in addition to the online readings and exercises. References to these readings and exercises are also located at the end of each individual lesson Part before the quiz.

Part 1: Solving Linear Equations Symbolically

eCore Lesson 2	Text Reading	Text HW Section#	Text HW Page(s)	Text Problems
Part 1: Solving Equations	Text Chapter 1:			
Text 1.2	1.2 (pp. 15-25)	Text 1.2	p. 27	1-7 odd 13-19 odd 25-29 odd

Part 2: Solving Graphically

eCore Lesson 2	Text Reading	Text HW Section#	Text HW Page(s)	Text Problems
Part 2: Zeros of Quadratic	Text Chapter 5:			
Text 5.3 Only use calculator method	5.3 (pp. 467-469) Begin reading at	Text 5.3	pp. 473-476	(Only use the calculator method) 9-21 odd

OER Delivery: Mathematical Modeling

The image displays the ecore OER interface. On the left is a sidebar titled "QUIZ AND ONLINE TEST PREPARATION" with a "New" button and an "Add Existing Activities" button. Below these are four menu items, each with a globe icon and a dropdown arrow:

- Lesson 1 - Review Guide
- Lesson 1 - Video Review - Conversions
- Lesson 1 - Video Review - Function Notation
- Lesson 1 - Video Review - Functions

A blue arrow points from the "Lesson 1 - Video Review - Conversions" item to a video player window on the right. The video player has a title bar "Math 1101-Conversions (00:48 / 06:22)" and a "Resources" link. The video content shows the ecore logo and a diagram for unit conversion:

Math 1101-Conversions

What units you have x $\left(\frac{\text{What units you want}}{\text{What units you have}} \right)$ = What units you want

number & units you know Conversion factor Number and units you want

→ 5 feet

Convert 5 feet to inches

You have You want

The video player includes a progress bar at the bottom showing 01:21 / 06:21 and navigation buttons for "PREV" and "NEXT".

OER Delivery: Principles of Chemistry I & II

To be implemented Fall 2015

Creative Commons License: CC

High level of customization

OER content serves as the course content

Ancillaries – Test bank and Chapter PowerPoints



OER Delivery: Principles of Chemistry I & II

Unit 1 Introduction

Advance Organizer

Intermolecular Forces

Intermolecular Forces

Forces between Molecules

Dispersion Forces

Dipole-Dipole Attractions

Hydrogen Bonding

Properties of Liquids

Properties of Liquids

Surface Tension

Forces between Molecules

Under appropriate conditions, the attractions between all gas molecules will cause them to form liquids or solids. This is due to intermolecular forces, not *intramolecular* forces. *Intramolecular* forces are those *within* the molecule that keep the molecule together, for example, the bonds between the atoms. *Intermolecular* forces are the attractions *between* molecules, which determine many of the physical properties of a substance. **Figure 10.5** illustrates these different molecular forces. The strengths of these attractive forces vary widely, though usually the IMFs between small molecules are weak compared to the intramolecular forces that bond atoms together within a molecule. For example, to overcome the IMFs in one mole of liquid HCl and convert it into gaseous HCl requires only about 17 kilojoules. However, to break the covalent bonds between the hydrogen and chlorine atoms in one mole of HCl requires about 25 times more energy—430 kilojoules.

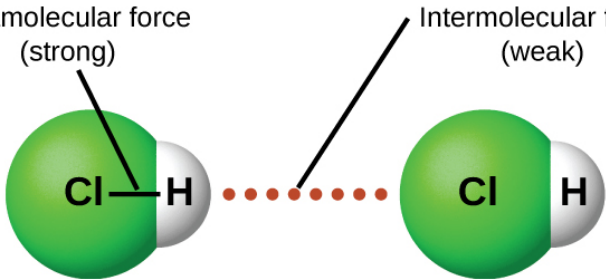



Figure 10.5. Intramolecular forces keep a molecule intact. Intermolecular forces hold multiple molecules together and determine many of a substance's properties.

LINK TO LEARNING:

Watch this [video](#) to learn more about Kellar Autumn's research that determined that van der Waals forces are responsible for a gecko's ability to cling and climb.

Geckos and Intermolecular Forces: Interested in reading more about these concepts in everyday life? Reference this [example](#) or page 534 of the [full-text](#) version of your course open-textbook.

Putting it All Together

- 
- 1 Collaborate when needed.
 - 2 Before beginning your OER search, establish your intended purpose.
 - 3 Ensure that the selected OER supports your learning objectives.
 - 4 Know your license and any associated limitations.
 - 5 Don't be afraid to think outside of the box!
 - 6 Ensure your students are aware of how to access and use the selected OER.

eCore and OER: Student Testimonials

“Free textbooks!”

“The **free textbooks** were my favorite part, it helped relieve my extra expenses.”

“The **free textbooks** are honestly the best thing ... Not having to spend hundreds on textbooks is such a good thing.”

“most of all, the **free textbooks!**”

“I love the **free textbooks**, I spend about \$500 on textbooks in school each semester.”

“Flexibility and **free textbooks** are the two things that are most important to me as a student and a working mother of two.”

“the **free e-text** ... it chopped off about \$200 and it was easier to read on my phone instead of lugging around a 10+ pound book bag.”

