

4-22-2022

## GEO 100: Environmental Geology OER Curation

Chealsye Bowley  
*Grand Valley State University, bowleyc@gvsu.edu*

Follow this and additional works at: [https://scholarworks.gvsu.edu/library\\_curated\\_oer](https://scholarworks.gvsu.edu/library_curated_oer)



Part of the [Geology Commons](#), [Hydrology Commons](#), and the [Library and Information Science Commons](#)

---

### ScholarWorks Citation

Bowley, Chealsye, "GEO 100: Environmental Geology OER Curation" (2022). *Curated OER Collections*. 17.  
[https://scholarworks.gvsu.edu/library\\_curated\\_oer/17](https://scholarworks.gvsu.edu/library_curated_oer/17)

This Article is brought to you for free and open access by the University Libraries at ScholarWorks@GVSU. It has been accepted for inclusion in Curated OER Collections by an authorized administrator of ScholarWorks@GVSU. For more information, please contact [scholarworks@gvsu.edu](mailto:scholarworks@gvsu.edu).

# GEO 100: Environmental Geology OER Curation

[Overview](#)

[Scope Notes](#)

[Current textbooks and materials](#)

[Search Notes](#)

[Gap Analysis](#)

[Promising OER Options](#)

[Stretch Resource Options](#)

## Overview

### Scope Notes

The course explores the relationship between people and their physical geological environment. Topics that should be covered by the course text include geologic hazards, hydrology and human health, mineral and energy resources, and land use planning. The class is intended for non-science majors and fulfills foundations - physical sciences requirements.

### Current textbooks and materials

Ed Keller, Introduction to Environmental Geology, 5th ed., Pearson, ISBN: 9780321741981 \$192

Carla Montgomery, Environmental Geology, 11th ed., McGraw Hill, ISBN: 9780078022951 \$50

### Search Notes

This search consulted OER Commons, Open Textbook Library, OpenStax, Merlot, BC Campus, and Rebus Community.

## Promising OER Options

### Introduction to Geology

- Chris Johnson, Matthew D. Affolter, Paul Inkenbrandt, & Cam Mosher, Introduction to Geology, Salt Lake Community College (2019).
- Available from [Libre Texts](#)



This work is released under a [Creative Commons Attribution-NonCommercial 4.0 International License](#). Please credit University Libraries, Grand Valley State University.

- Online book
- CC BY-NC-SA

## Physical Geology - First University of Saskatchewan Edition

- Karla Panchuk, Physical Geology - First University of Saskatchewan Edition, University of Saskatchewan (2019).
- Available from [Open Textbook Library](#)
- Online, PDF, XML
- CC BY-NC-SA

## Physical Geology

- Steven Earle, Physical Geology, 2nd ed., Thompson Rivers University (2021).
- Available from [BC Campus](#)
- PDF, website, eBook, Common Cartridge
- CC BY

## Environmental Geology

- John Looney, Environmental Geology, University of Massachusetts Boston (2015).
- Available from [OER Commons](#)
- Online course
- CC BY-NC-ND

# Stretch Resource Options

## Introduction to Environmental Science

- Caralyn Zehnder Kalina Manoylov Samuel Mutiti Christine Mutiti Allison VandeVoort Donna Bennett, Introduction to Environmental Science - 2nd Edition, University System of Georgia (2018).
- Available from [Open Textbook Library](#)
- PDF, Microsoft Word
- CC BY-NC-SA

## American Environmental History

- Dan Allosso, American Environmental History, Minnesota Libraries Publishing (2019). ISBN 13: 9781981731732
- Available from [Open Textbook Library](#)
- Online book, PDF, ebook, XML, ODF
- CC BY-SA

## The Environmental Politics and Policy of Western Public Lands

- Erika Allen Wolters and Brent S. Steel, The Environmental Politics and Policy of Western Public Lands, Oregon State University (2020). ISBN 13: 9780870710223
- Available from [Open Textbook Library](#)
- Ebook, Online book, PDF, XML
- CC BY-NC

## Environmental Science: A Canadian Perspective

- Bill Freedman, Environmental Science: A Canadian Perspective, Dalhousie University (2018).
- Available from [BC Campus](#)
- Online book, PDF, Kindle, eBook, hardcopy
- CC BY-NC

## Environmental Biology

- Matthew R. Fisher, Environmental Biology, Open Oregon
- Available from [BC Campus](#)
- Online book, PDF, Kindle, ebook, hardcopy
- CC BY

## Geology of the National Parks

- Richard Alley and Sridhar Anandakrishnan, Geology of the National Parks, Penn State University College of Earth and Mineral Sciences (2019).
- Available from [OER Commons](#)
- Online course (video, modules)
- CC BY-NC-SA

## Open Geology

- Brian Ricketts et al., Open Geology (2020).
- Available from [OER Commons](#)
- Textbooks, online course, videos
- CC BY-NC-SA

## Dynamic Planet

- Charlene Estrada; Carolina Londono Michel; and Merry Wilson, Dynamic Planet: Exploring Geological Disasters and Environmental Change 2022
- Available from [Maricopa Community College](#)
- Online book, Common Cartridge
- CC BY-NC-SA