

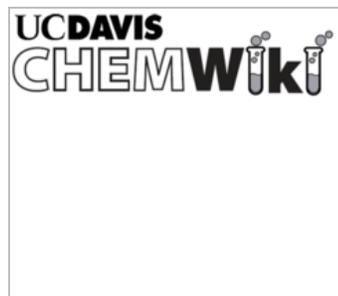


Faculty Review of Open eTextbooks

The [California Open Educational Resources Council](http://www.cool4ed.org) has designed and implemented a faculty review process of the free and open etextbooks showcased within the California Open Online Library for Education (www.cool4ed.org). Faculty from the California Community Colleges, the California State University, and the University of California were invited to review the selected free and open etextbooks using a rubric. Faculty received a stipend for their efforts and funding was provided by the State of California, the William and Flora Hewlett Foundation, and the Bill and Melinda Gates Foundation.

Textbook Name:

Organic Chemistry



License:



Organic Chemistry by ChemWiki is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike](https://creativecommons.org/licenses/by-nc-sa/4.0/)

Find it: [eTextbook Website](#)

Textbook Authors:

ChemWiki

Reviewed by:

Jared Ashcroft

Institution:

Pasadena City College

Title/Position:

Professor

Format

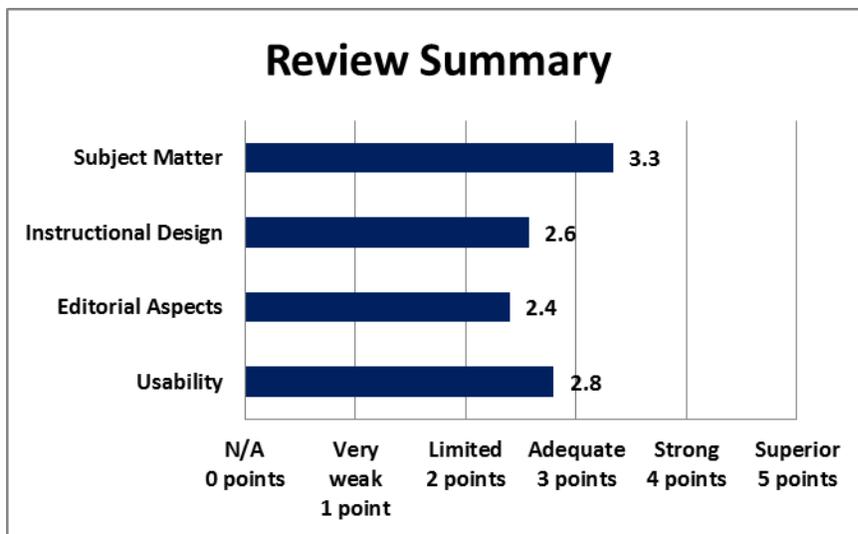
Reviewed:

[Online](#)

A small fee may be associated with various formats.

Date Reviewed:

August 2015



California OER Council eTextbook Evaluation Rubric

CA Course ID: [CHEM 160S](#)

Subject Matter (30 possible points)	N/A (0 pts)	Very Weak (1pt)	Limited (2 pts)	Adequate (3pts)	Strong (4 pts)	Superior (5 pts)
Is the content accurate, error-free, and unbiased?					X	
Does the text adequately cover the designated course with a sufficient degree of depth and scope?				X		
Does the textbook use sufficient and relevant examples to present its subject matter?				X		
Does the textbook use a clear, consistent terminology to present its subject matter?				X		

Does the textbook reflect current knowledge of the subject matter?				X			
Does the textbook present its subject matter in a culturally sensitive manner? (e.g. Is the textbook free of offensive and insensitive examples? Does it include examples that are inclusive of a variety of races, ethnicities, and backgrounds?)							X

Total Points: 20 out of 30

Please provide comments on any aspect of the subject matter of this textbook:

- The text is a traditional functional group based organic chemistry book. The topics are separated by organic functional groups, with each section having nomenclature, properties, and reactions.
- There are some problems and solutions at the end of some of the sections. They are very basic. Would like to see more challenging problems for students. Not sure if the case studies does anything for the text.

Instructional Design (35 possible points)	N/A (0 pts)	Very Weak (1pt)	Limited (2 pts)	Adequate (3pts)	Strong (4 pts)	Superior (5 pts)
Does the textbook present its subject materials at appropriate reading levels for undergrad use?			X			
Does the textbook reflect a consideration of different learning styles? (e.g. visual, textual?)				X		
Does the textbook present explicit learning outcomes aligned with the course and curriculum?				X		
Is a coherent organization of the textbook evident to the reader/student?				X		
Does the textbook reflect best practices in the instruction of the designated course?			X			
Does the textbook contain sufficient effective ancillary materials? (e.g. test banks, individual and/or group activities or exercises, pedagogical apparatus, etc.)			X			
Is the textbook searchable?				X		

Total Points: 18 out of 35

Please provide comments on any aspect of the instructional design of this textbook:

- The material is very basic. This is a great text if you are first getting into Organic Chemistry or need a reference to look at reactions. Needs to increase complexity to be used in an Organic Chemistry course.

Editorial Aspects (25 possible points)	N/A (0 pts)	Very Weak (1pt)	Limited (2 pts)	Adequate (3pts)	Strong (4 pts)	Superior (5 pts)
Is the language of the textbook free of grammatical, spelling, usage, and typographical errors?					X	
Is the textbook written in a clear, engaging style?			X			
Does the textbook adhere to effective principles of design? (e.g. are pages laid out and organized to be clear and visually engaging and effective? Are colors, font, and typography consistent and unified?)		X				
Does the textbook include conventional editorial features? (e.g. a table of contents, glossary, citations and further references)				X		
How effective are multimedia elements of the textbook? (e.g. graphics, animations, audio)			X			

Total Points: 12 out of 25

Please provide comments on any editorial aspect of this textbook.

- The textbook basically presents the reactions, properties, etc. in as concise a way possible. It is easy to find the functional group you are looking for and each section has all the information needed about that functional group.

Usability (25 possible points)	N/A (0 pts)	Very Weak (1pt)	Limited (2 pts)	Adequate (3pts)	Strong (4 pts)	Superior (5 pts)
Is the textbook compatible with standard and commonly available hardware/software in college/university campus student computer labs?					X	
Is the textbook accessible in a variety of different electronic formats? (e.g. .txt, .pdf, .epub, etc.)			X			
Can the textbook be printed easily?			X			

Does the user interface implicitly inform the reader how to interact with and navigate the textbook?				X		
How easily can the textbook be annotated by students and instructors?				X		

Total Points: 14 out of 25

Please provide comments on any aspect of access concerning this textbook.

- Has to be looked on line. Could print each section, but I could not find a place to download the entire book into a pdf, which I would prefer.

Overall Ratings						
	Not at all (0 pts)	Very Weak (1 pt)	Limited (2 pts)	Adequate (3 pts)	Strong (4 pts)	Superior (5 pts)
What is your overall impression of the textbook?			X			
	Not at all (0 pts)	Strong reservations (1 pt)	Limited willingness (2 pts)	Willing (3 pts)	Strongly willing (4 pts)	Enthusiastically willing (5 pts)
How willing would you be to adopt this book?			X			

Total Points: 4 out of 10

Overall Comments

If you were to recommend this textbook to colleagues, what merits of the textbook would you highlight?

- The text is based on functional group organic chemistry teaching pedagogy. It has all the required reactions and functional groups needed to teach the class, but is limited in the complexity of the reactions/topics.

What areas of this textbook require improvement in order for it to be used in your courses?

- A good starting point for an organic chemistry student, but would have to have another source for more complex explanations.
- Needs more problems that are at a higher difficulty level for the students to work on.

We invite you to add your feedback on the textbook or the review to [the textbook site in MERLOT](#)
(Please [register](#) in MERLOT to post your feedback.)



For questions or more information, contact the [CA Open Educational Resources Council](#).



This [review](#) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](#).