

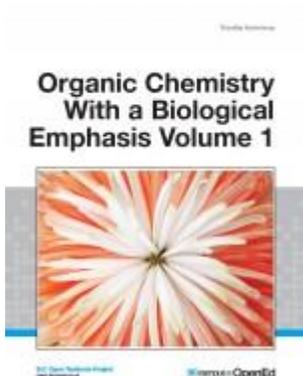


Faculty Review of Open eTextbooks

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 With a Biological Emphasis Volumes I & II



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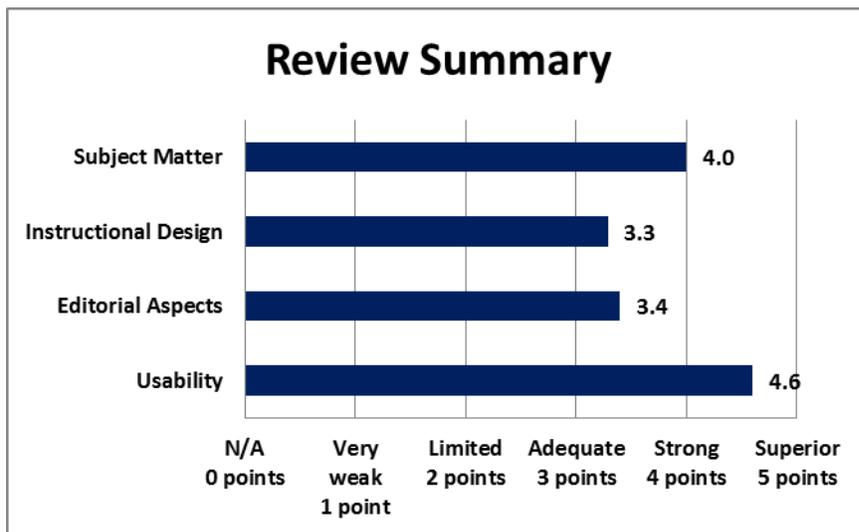
Professor

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: 24 out of 30

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

- The textbook does a great job at providing examples of organic reactions and mechanisms and covers what is expected in an Organic Chemistry course.
- The textbook contained several problems and a solution manual for students to use in order to help them learn the material.

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: 23 out of 35

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

- The textbook uses a mechanistic approach to teaching students Organic Chemistry.
- The chapters are ordered in regards to mechanistic topics as opposed to functional groups.
- There is also a heavy focus on biological/enzymatic reactions verses traditional organic chemistry reactions.

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: 17 out of 25

Please provide comments on any editorial aspect of this textbook.

- Textbook is written well. Is not too engaging, rather presents the reaction/mechanism in an efficient manner.

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: 23 out of 25

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

- Textbook took about 30 minutes total to download both volumes onto my phone. Could use the web browser just as easily as well. Like that you can choose multiple options using the text.

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	
How willing would you be to adopt this book?	Not at all (0 pts)	Strong reservations (1 pt)	Limited willingness (2 pts)	Willing (3 pts)	Strongly willing (4 pts)	Enthusiastically willing (5 pts)
				X		

Total Points: 7 out of 10

Overall Comments

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

- I like the fact the book is ordered in a mechanistic approach. This is my preferred way of teaching Organic Chemistry. There are several mechanism for each section and they are all done very well. This would be a good textbook for a first semester Organic Chemistry course I taught.

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

- The high emphasis on enzymatic organic chemistry could be a turn off for traditional organic chemistry faculty, especially volume 2, which is basically all enzymatic reactions.
- The second volume is more suited to a Biological Organic Chemistry class, not one I would use for my second semester Organic Chemistry course.

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.)



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