

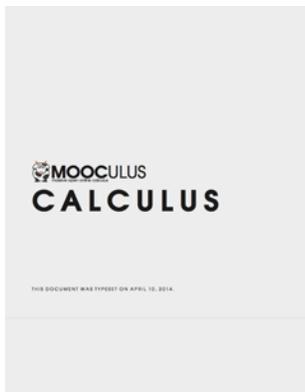


## Faculty Review of Open eTextbooks

The [California Open Educational Resources Council](#) 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](http://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 etextboks 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:

### Mooculus: Calculus



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Format

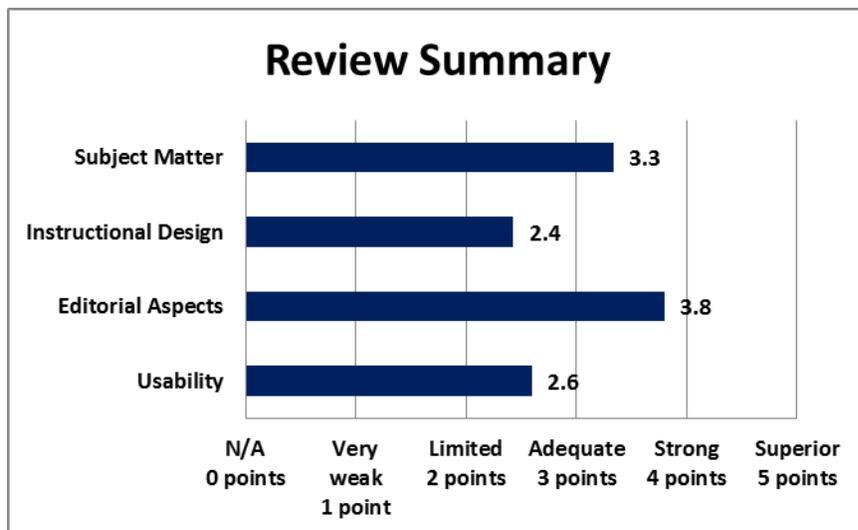
Reviewed:

[Online](#)

A small fee may be associated with various formats.

Date Reviewed:

August 2015



### California OER Council eTextbook Evaluation Rubric

CA Course ID: [MATH 210](#)

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 textbook covers all the topics taught in a regular first semester calculus class.
- There are examples and exercises for each section of the text. The exercises are limited in scope and rigor. Although applications are presented, the number of applications is much less than your typical paid textbook. The number of exercises for each section varies from 10 to 30, and should be supplemented with additional problems.

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: 17 out of 35

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

- The textbook is not organized like most typical calculus textbooks. The authors deal with curve sketching before they discuss the product, quotient, and chain rule for derivatives. So, it follows that the functions that are sketch are simple polynomial and rational functions that do not require any complicated derivatives. The derivative as a rate of change is not discussed until after optimization and curve sketching.
- There are no ancillaries for this textbook. The textbook contains exercises. The answers are in the back of the text.

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: 19 out of 25

Please provide comments on any editorial aspect of this textbook.

- The text is well-written. It is easy to follow.
- I like the layout of the textbook. There are side notes and graphics on the right column of the text. The spacing between lines made it very easy to read on a computer screen.

- The graphics are limited to just graphs of functions.

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: 13 out of 25

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

- This textbook is only available in PDF format.

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: 5 out of 10

## Overall Comments

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

- This textbook is well-written. It would be easy for a student to follow. It covers all of the topics required for a first-semester calculus class.

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

- The order in which the topics are presented are not typical for a calculus textbook, so the instructor may need to re-arrange the topics.
- There is a limited number of exercises for each section. I would like to see an increase in the number of exercises, along with more rigor in the examples and exercises.

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](#).



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