

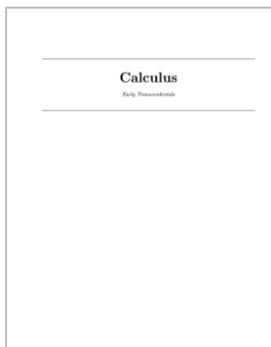


Faculty Review of Open eTextbooks

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:

Calculus: Early Transcendentals



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Find it: [eTextbook Website](#)

Textbook Authors:

David Guichard, et al.

Reviewed by:

Shirley Yap

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Title/Position:

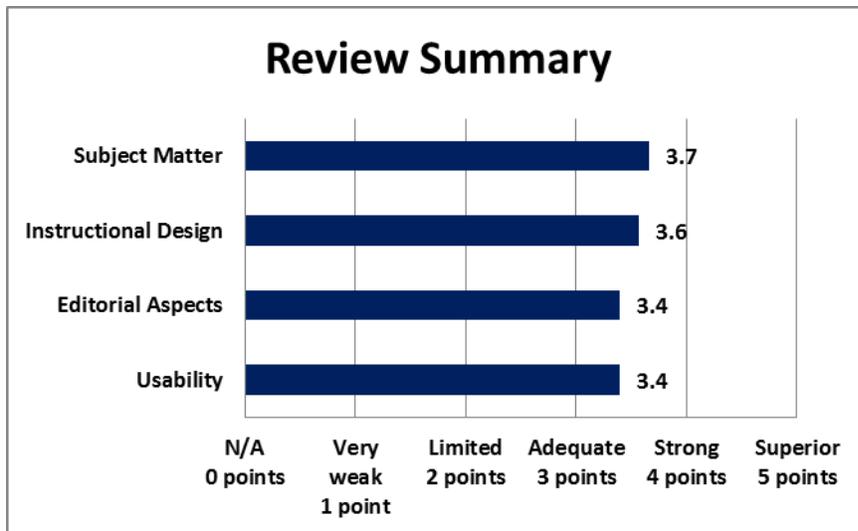
Professor

Format

Reviewed:

[Online](#)

A small fee may be associated with various formats.



Date Reviewed:

December 2015

California OER Council eTextbook Evaluation Rubric

CA Course ID: [MATH 220](#)

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: 22 out of 30

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

- The book begins with a strong review of analytic geometry, which sets up a nice foundation for the rest of the Calculus. It presents all the standard topics of Calculus.
- It has many examples and it is quite rigorous, providing standard proofs of important theorems and really requiring the student to understand limits well.
- Many commercial Calculus textbooks have more images, have test banks, instructors' manuals, and student workbooks. Having said that, none of these things are necessary.

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: 25 out of 35

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

- One nice feature of the book is that students can easily see solutions to problems by clicking on links.
- Another nice feature is a collection of applets that are interactive (however, the latest version of Java must be installed for the applets to work).
- The format of the .pdf version of the book may intimidate students because, for a lower division book, it is dense with text and math symbols. However, the language is quite conversational, so students will not be intimidated by the book once they start reading it.

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:

- The layout of the .pdf version is a bit dense (however, the .html version is broken up into nice bite-sized pieces).
- The interactive applets are great and the book could benefit from having more of them.

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: 17 out of 25

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

- The .html version of the book is much easier to navigate than the .pdf version. For the .pdf version, the right browser with the most up to date Java plugin is necessary to view the applets.

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: 7 out of 10

Overall Comments

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

- The development of the subject is rigorous and yet there are plenty of examples of a variety of skill ranges.
- The web version is easy to navigate with solutions to problems one click away.

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

- The text would benefit from more images. Students are not accustomed to full-color, saturated images and visually learners can really benefit from such pictures. More interactive animations would be even better.

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