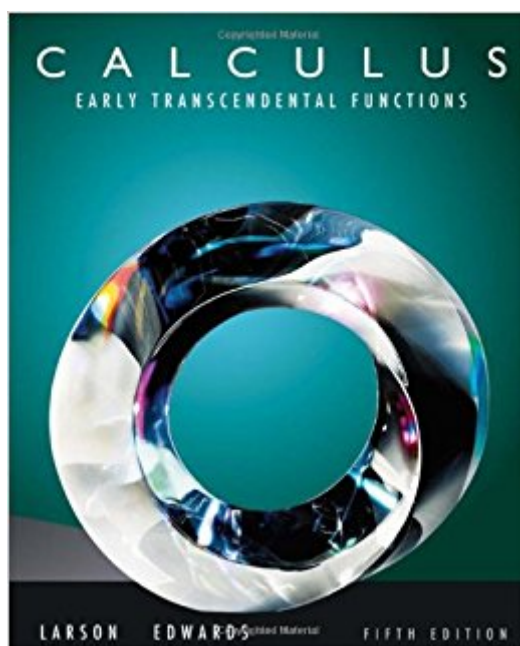


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# Calculus: Early Transcendental Functions (Available Titles CourseMate)



## Synopsis

Designed for the three-semester engineering calculus course, *CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS*, 5/e, continues to offer instructors and students innovative teaching and learning resources. The Larson team always has two main objectives for text revisions: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus; and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques and save time. The Larson/Edwards Calculus program offers a solution to address the needs of any calculus course and any level of calculus student. Every edition from the first to the fourth of *CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS*, 5/e has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and, when appropriate, calculus reform ideas.

## Book Information

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## Customer Reviews

Dr. Ron Larson is a professor of mathematics at The Pennsylvania State University, where he has taught since 1970. He received his Ph.D. in mathematics from the University of Colorado and is considered the pioneer of using multimedia to enhance the learning of mathematics, having authored over 30 software titles since 1990. Dr. Larson conducts numerous seminars and in-service workshops for math educators around the country about using computer technology as an instructional tool and motivational aid. He is the recipient of the 2014 William Holmes McGuffey

Longevity Award for CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS, the 2013 Text and Academic Authors Association Award for CALCULUS, the 2012 William Holmes McGuffey Longevity Award for CALCULUS: AN APPLIED APPROACH, and the 1996 Text and Academic Authors Association TEXTY Award for INTERACTIVE CALCULUS (a complete text on CD-ROM that was the first mainstream college textbook to be offered on the Internet). Dr. Larson authors numerous textbooks including the bestselling Calculus series published by Cengage. Dr. Bruce H. Edwards is Professor of Mathematics at the University of Florida. Professor Edwards received his B.S. in Mathematics from Stanford University and his Ph.D. in Mathematics from Dartmouth College. He taught mathematics at a university near Bogotá, Colombia, as a Peace Corps volunteer. While teaching at the University of Florida, Professor Edwards has won many teaching awards, including Teacher of the Year in the College of Liberal Arts and Sciences, Liberal Arts and Sciences Student Council Teacher of the Year, and the University of Florida Honors Program Teacher of the Year. He was selected by the Office of Alumni Affairs to be the Distinguished Alumni Professor for 1991-1993. Professor Edwards has taught a variety of mathematics courses at the University of Florida, from first-year calculus to graduate-level classes in algebra and numerical analysis. He has been a frequent speaker at research conferences and meetings of the National Council of Teachers of Mathematics. Professor Edwards has produced five mathematics courses for the Great Courses (The Teaching Company). He has also coauthored a wide range of award winning mathematics textbooks with Professor Ron Larson.

The age old conundrum...Stewart or Larson? You won't go wrong with either. I found this book to be very well written, clear and include plenty of real-world problems. Weaknesses? Well, I suppose it could have a bit more vector calculus in it-although this would in all likelihood be skipped over by the professor anyway. It is also quite heavy, which is a bigger deterrent to taking the book into class with you than you may imagine.

I've just started using this textbook in my Calc I course and, thus, we haven't gone too far into it yet. However, I am deeply impressed by the book's accompanying web site, [...]. Every odd question from the book is answered on the website, oftentimes accompanied by a detailed solution. The site also touts having a live calc tutor available for chat mode, though I've yet to partake of this particular service, primarily because their hours are somewhat limited. If you want a great 10 thousand foot view of calculus, I would augment Larson's Calculus with a long weekend viewing "Change and Motion: Calculus Made Clear", a Teaching Company DVD course (ISBN 978-1598032314). I'm

certain any calc student who aspires to ace his/her course will find these two products a dynamic learning duo!

This book is geared towards engineering and not mathematics majors. Additional visual aides are presented along with multiple applications per topic, as opposed to formal proofs which are typically found in books favored by mathematicians. Much of how I feel about this book can be found in response to a review currently listed as the most helpful critical review (one star), but for convenience I will list my main points here. If you are someone who learns by visual representations of topics if it is possible to do so, then more than likely you will find this book to be one of the easiest ways to learn calculus. Every topic has a plethora of visual aides and a prose writing style to accompany those aides without ever feeling cluttered. For those who need to see why this math even exists in order to help bolster your understanding, the book gives you a variety applications for each topic in the exercises. These exercises also often come with visual aides to help make sure you understand the question being asked. The text even has an "index of applications", which lists the page numbers of every application demonstrated throughout the material. If you are a mathematics major, this book may still teach you calculus just fine but you might be in a disadvantage later for when constructing formal proofs becomes necessary. I am not saying formal proofs are required to understand calculus, but for aspiring mathematicians it may be good to get early exposure to them. For the lack of a better term, proofs are slightly downplayed in this text in favor of what I mentioned in the second and third paragraphs. The book has proofs but they are a bit "watered down" compared to more rigorous methods you may find in other books. Even so, you may still benefit from having this text as supplemental material especially when factoring in the average price for this edition.

Great product. I love how the integrals, derivatives, and basic formulas are on the cover and back cover.

Came with code for the book's website as advertised. Do yourself a favor and make a Chegg account as well. They work out the solutions for all the problems, not just the odd ones.

Awesome price. Completely worth it over renting it from my colleges store. Plus it comes with all the chapters.

I used this text for calculus (I, II, III) during my engineering classes. The chapter problems are shown with simple solutions and plenty of clear details. I still have it on my shelf as a reference and use it all the time. I did get really tired of carting this thing around, though. It was like carrying Mini Me around in my backpack all day long...heavy with an attitude.

Wasn't a huge fan of Calculus but this book was helpful.

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