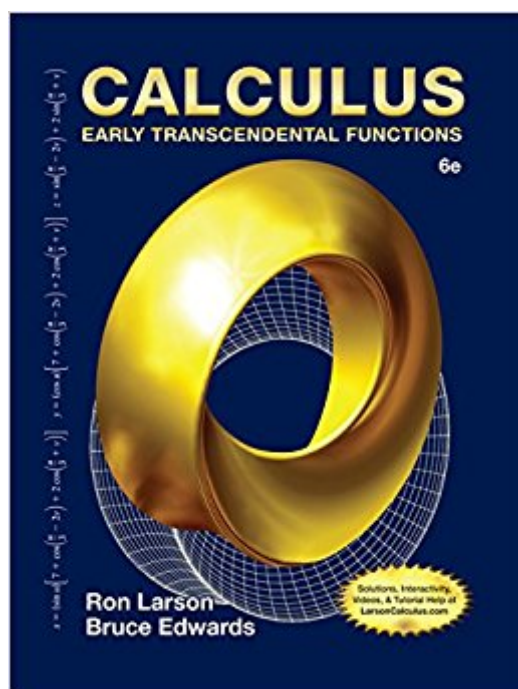


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Calculus: Early Transcendental Functions



Synopsis

Designed for the three-semester engineering calculus course, **CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS**, Sixth Edition, 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 sixth of **CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS** has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and, when appropriate, calculus reform ideas.

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When Will I Use

This? Carefully chosen applied exercises and examples are included throughout to address the question, "When will I use this?" These applications are pulled from diverse sources, such as current events, world data, industry trends, and more, and relate to a wide range of interests. Understanding where calculus is (or can be) used promotes fuller understanding of the material. [LarsonCalculus website Includes Videos, Examples, and More!](#) This robust

companion website offers multiple tools and resources. Access to these features is free. Watch videos explaining concepts or proofs from the book, explore examples, view three-dimensional graphs, download articles from math journals, and much more! **Hints and Tips Reinforce Help You Learn How to Study** These hints and tips reinforce or expand on concepts, help you learn how to study mathematics, caution you about common errors, address special cases, or show alternative or additional steps to a solution of an example. **Exercise Sets Apply Concepts in Real-Life Situations** Exercise sets have been carefully and extensively examined to ensure they are rigorous and relevant and include all topics our users have suggested. The exercises have been reorganized and titled so you can better see the connections between examples and exercises. Multi-step, real-life exercises reinforce problem-solving skills and mastery of concepts by giving you the opportunity to apply the concepts in real-life situations.

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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.

This text is one of the best thing that has happened to me. I am literally reading it all, that is from CH01 to CH15. I started it on February of this year (2015) and I am in CH11 now. Will probably finish it in 4 more months. For math lovers: Don't worry it does not really take that long to read all the chapters, it might actually take just about 8 months at most to 1 year, perhaps less, say 6 months? The reason why it is taking me so long is because I have a full time job and I'm also taking other classes, so I only get to read it twice a week, that is a section per day, and work on Exercise problems also twice a week (different days).

About the book: This book is very comprehensive. There are some people who say that most of the examples don't explain much, well in reality they are straight forward, and most of the basic stuff, such as algebraic or trigonometric calculations is

omitted from the example, which is logic because if all of the calculations were developed through this text then it would probably be much longer, like 2000 pages? And besides before taking any Calculus course you ought to know the basic stuff in your head already, correct? Like algebra, trigonometry, geometry, arithmetic. However, if you have a base knowledge on algebra and trigonometry and forgot some of the stuff, don't panic. You have CH 01 and the appendixes for review of this stuff. Bottom line: Like in life, not everything is pink color and flowers and roses-figurative speaking-I have had my hard moments with this text like anyone who is studying calculus, if you are a math lover, and by that I mean you really love math because there are some people who say "oh I love math but calculus sucks" no! I'm talking real math lovers, then you'll get through it. The hardest chapter for me so far was CH09: Infinite Series, I still don't like it that much, but I managed to learn the material at the end. Furthermore, I love how this book is made. Everything is so neat and organized. Well, actually the majority of college textbooks are neat and organized, but this one is outstanding. What I mean is for instance: There is not a single example through the chapters that covers more than a single page. In other math textbooks, like one that I have for Differential Equations, I have seen that the example starts on one page and ends on the next page. To me that's a con because you have to turn the page back and forth in order to figure out the context in the example. This textbook, in the other hand has all of the examples neatly organized. You don't have to be turning the pages to see the entire example and that's a super plus because you get to cover more material in less time.

They say this is one of the better Calculus and Analytic Geometry textbooks out there. I have mixed reviews...This does give you good information on the subject but the problems are very "here and there". I wish that the problems were progressive in the sense that they started off in the easiest example and gradually got harder. I had a PHENOMENAL Calc professor and would say I learned more from him than from this textbook. For an easy "read" (lol) be extremely well versed in Trig, logarithms and advanced Algebra. This is a great book for Engineering majors.

I recently decided to take a course in calculus as a refresher after a career in engineering that spanned 40+ years. This is the book that was required for the course. At first I felt a little sticker shock compared to the books I bought (and still have) from back in the day but this book is well worth the money. It is a thorough treatment of the subject with clear explanations of the concepts and methodologies for solving complex problems, augmented by great graphics. The publisher also provides great on-line resources that students can use to check their work. The book is a definite

'keeper' for those with academic or technical career goals. My old books need to make room on the shelf; this one is so much better.

It's a good textbook, but not stellar. There's a lot of examples that help you with calculus and even answers with work are on calcchat.com if you need it. It's giant and can provide you with three semesters of calculus in college if they keep using the same textbook.

Not hard cover. Just a bunch of loose leaf sheets with no binder. Shipping took over a week. Will be needing a refund asap.

This book was advertised as being in "good" condition but I received it in "very good" condition. Apparently it was exposed to humid conditions at one time or another but the pages are clean (no marking or folds) and crisp and the binding is in good shape. I had purchased the calculus multiple variable book not realizing there was a single variable companion until I looked at the page numbers. The books were written with graphing calculators in mind as well. Because it was published in 1994 I had pretty much given up hope of finding this companion book. I was happy to find it offered at a very nice price and in very good condition. I am very pleased with this purchase. This will definitely help me in my efforts to understand advanced scientific research material.

If my son would actually use this book the way it was intended, he'd get five stars as well. It will serve as a great reference for me as I return to school.

This book is great for Calculus course (I, II and III). It gives thorough explanation with examples to help students understand the concepts. The book is also a good choice for self study as it guides you through all materials that students need to know for the course. The website for answers to the practice/homework problems also is included inside the book (those that do not provide at the end of the book).

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