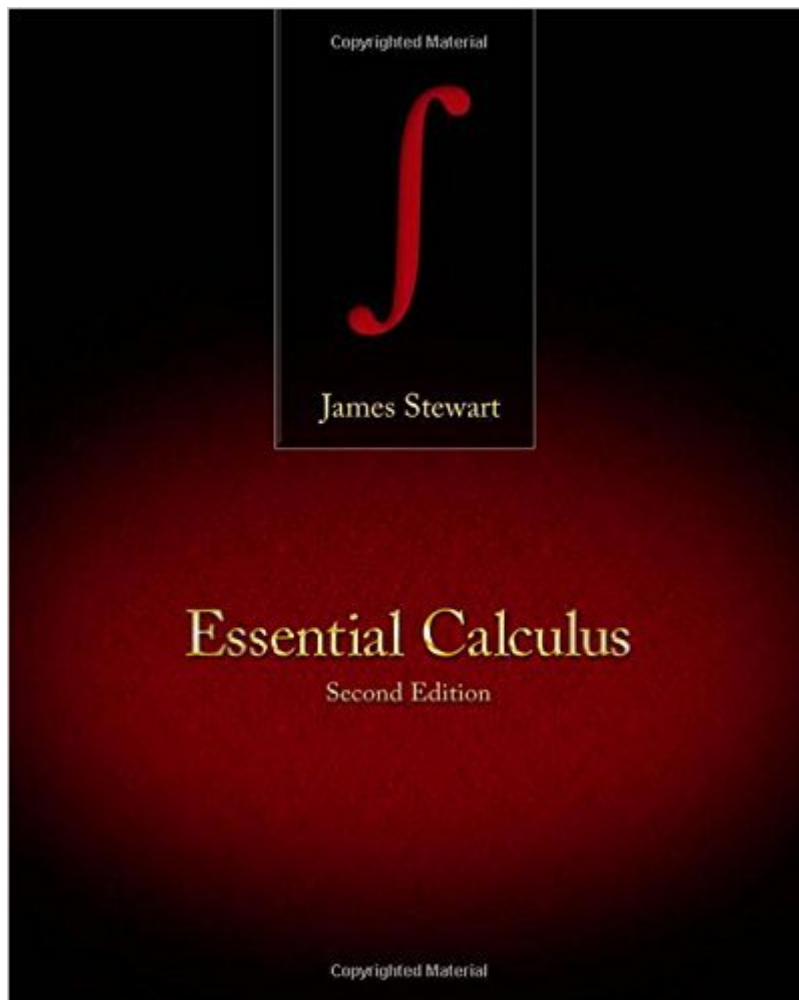


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# Essential Calculus



## Synopsis

This book is for instructors who think that most calculus textbooks are too long. In writing the book, James Stewart asked himself: What is essential for a three-semester calculus course for scientists and engineers? ESSENTIAL CALCULUS, Second Edition, offers a concise approach to teaching calculus that focuses on major concepts, and supports those concepts with precise definitions, patient explanations, and carefully graded problems. The book is only 900 pages--two-thirds the size of Stewart's other calculus texts, and yet it contains almost all of the same topics. The author achieved this relative brevity primarily by condensing the exposition and by putting some of the features on the book's website, [www.StewartCalculus.com](http://www.StewartCalculus.com). Despite the more compact size, the book has a modern flavor, covering technology and incorporating material to promote conceptual understanding, though not as prominently as in Stewart's other books. ESSENTIAL CALCULUS features the same attention to detail, eye for innovation, and meticulous accuracy that have made Stewart's textbooks the best-selling calculus texts in the world.

## Book Information

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Test your preexisting knowledge

Pinpoint where you may need to brush up on skill techniques to successfully begin the course. A series of four diagnostic tests begins the text, Basic Algebra, Analytic Geometry, Functions, and Trigonometry --giving you the opportunity to get up to speed on skills needed for Calculus so you

can begin the course on solid ground and with confidence. Relevant examples Data in examples and exercises assures that the text is current and relevant. Effectively prepare for exams Review what you know and don't know to ensure success on your next exam. Comprehensive review sections follow each chapter with a "Concept Check" and "True/False Quiz" that allow you to prepare for upcoming tests. Deepen your understanding by visualizing concepts Margin notes clarify and expand on topics presented in the main body of the text by providing cautions, historical background, and references to Tools For Enriching Calculus and to [www.stewartcalculus.com](http://www.stewartcalculus.com). The website is a free, online, interactive resource that allows you to work with animations that you are learning.

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The late James Stewart received his M.S. from Stanford University and his Ph.D. from the University of Toronto. He did research at the University of London and was influenced by the famous mathematician George Polya at Stanford University. Stewart was most recently Professor of Mathematics at McMaster University, and his research field was harmonic analysis. Stewart was the author of a bestselling calculus textbook series published by Cengage, including CALCULUS, CALCULUS: EARLY TRANSCENDENTALS, and CALCULUS: CONCEPTS AND CONTEXTS, as well as a series of precalculus texts.

I really wanted to like this book since I value a concise approach, but I think it fails to lay a solid foundation for understanding (at least multivariable) calculus. I'm only familiar with Ch.10-13 because it was required for a calc 3 class. The problem with its approach is that it quickly explains new concepts, making sense only half the time, then launches into examples where it skips important logical steps in problem setup. Stating a problem and then immediately writing the relevant theorem without any discussion doesn't teach "mathematically rigorous" thinking as so many instructors seem to love Stewart for, and it doesn't lay the foundation for creative application of the concepts in physics. If you have to get this book for a class, sorry. Watching Khan Academy videos was helpful for me, just know that Sal doesn't cover stuff in the same order as the book or most classes, and doesn't give much attention to difficult double/triple integral problems (something this book gets lost in while glossing over some of the concepts). If you're looking for a self-study book, this is definitely not it because it's hard enough to understand with the help of a professor. Plus the problems are generally uninteresting and avoid challenging the reader with physics applications. There are plenty of resources online for self-studying math so track down one of those for better recommendations.

As with all modern text books, it's an overpriced, very slightly different version of a good text that's been around for decades

haHAA Calculus.

Great condition

textbooks are a scam by the publishing companies.

Sorry, I made a mistake when rating this product and seller. The product was delivered as expected and the merchant was willing to take my return. I was rating a different product and the 1 star was for something else.

Bought it for a class and was not disappointed. Came in great condition!

Theory and examples are written in an understandable manner. However, my instructor was a bit annoyed by the fact that it lacks exercises for a couple of points of Calculus 2 (not a big deal

though).Also, if you need more in depth proof for certain theorems and propositions, maybe a different textbook would be better.

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