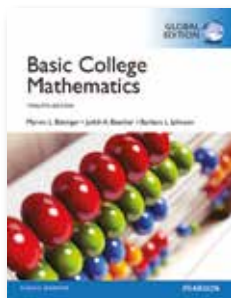


# Mathematics & Statistics

Precalculus / Precollege Maths



**Basic College Mathematics, 12e**

Marvin L. Bittinger & Judith A. Penna

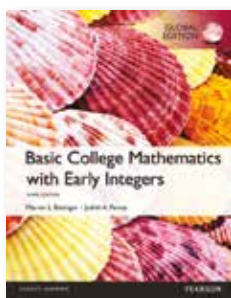
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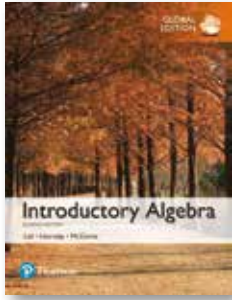
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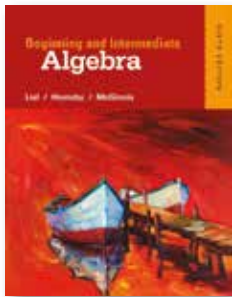
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## Beginning and Intermediate Algebra, 6e

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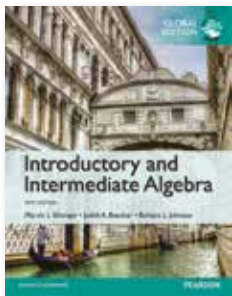
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Marvin L. Bittinger & Judith A. Beecher

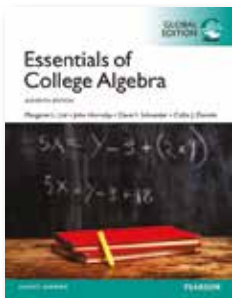
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*Essentials of College Algebra* develops both the conceptual understanding and the analytical skills necessary for success in mathematics. With the Eleventh Edition, the authors have adapted and updated the program for the evolving student, New co-author Callie Daniels brings her experience with traditional, hybrid, and online courses, to create a suite of resources to support today's learners.



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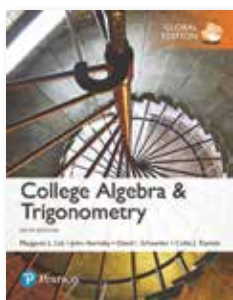


## Algebra and Trigonometry, 4e

Judith A. Beecher, Judith A. Penna & Marvin L. Bittinger  
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**Course:** Algebra and Trigonometry

Beecher, Penna, and Bittinger's *Algebra and Trigonometry* is known for enabling students to see the math through its focus on visualization and early introduction to functions. With the Fourth Edition, the authors continue to innovate by incorporating more ongoing review to help students develop their understanding and study effectively.

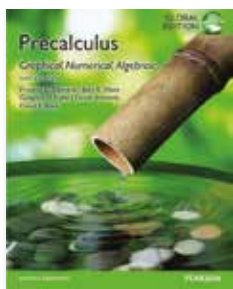


## College Algebra and Trigonometry, 6e

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Mark Dugopolski

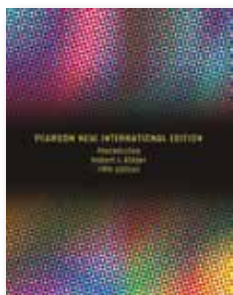
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**Course:** Precalculus Mathematics

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**Course:** Plane Trigonometry

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## Trigonometry, 10e

Margaret Lial, John Hornsby, David I. Schneider & Callie Daniels

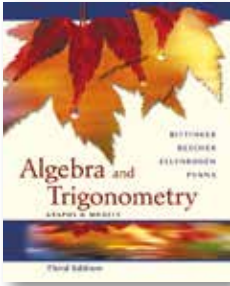
9781292023601 • ©2013  
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## Algebra and Trigonometry: Graphs and Models, 3e

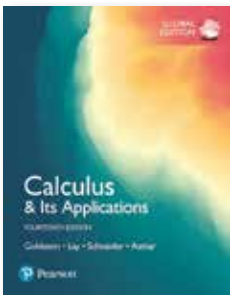
Marvin L. Bittinger,  
Judith A. Beecher,  
David J. Ellenbogen  
& Judith A. Penna

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With a visual, graphical approach that emphasizes connections among concepts, this text helps students make the most of their study time. The authors show how different mathematical ideas are tied together through their zeros, solutions, and x-intercepts theme; side-by-side algebraic and graphical solutions; calculator screens; and examples and exercises. By continually reinforcing the connections among various mathematical concepts as well as different solution methods, the authors lead students to the ultimate goal of mastery and success in class.

## Applied Maths



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Larry J. Goldstein, David Lay,  
Nakhle I Asmar &  
David I. Schneider

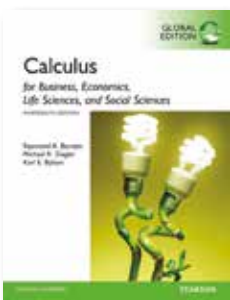
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Package: 9781292229164 • £69.00

**Course:** Applied Calculus

A comprehensive, yet flexible, text for students majoring in business, economics, life science, or social sciences. The authors delve into greater mathematical depth than other texts while motivating students through relevant, up-to-date, applications drawn from students' major fields of study. The authors motivate key ideas geometrically and intuitively, providing a solid foundation for the more abstract treatments that follow. This new edition features updated exercises, applications, and technology coverage, presenting calculus in an intuitive yet intellectually satisfying way.



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Michael R. Ziegler & Karl E. Byleen

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**Course:** Applied Calculus

Barnett/Ziegler/Byleen is designed to help students help themselves succeed in the course. This text offers more built-in guidance than any other on the market – with special emphasis on prerequisites skills – and a host of student-friendly features to help students catch up or learn on their own.

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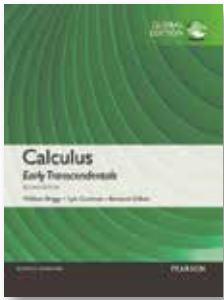
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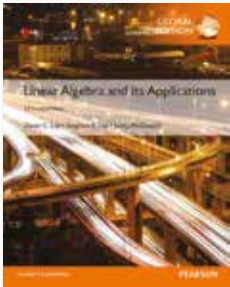
Otto Bretscher

9781292022147 • ©2013  
464pp • Paperback • £54.99

eBook: 9781292035345 • £43.99

**Course:** Introductory Linear Algebra

Offering the most geometric presentation available, *Linear Algebra with Applications* emphasizes linear transformations as a unifying theme. This elegant textbook combines a user-friendly presentation with straightforward, lucid language to clarify and organize the techniques and applications of linear algebra. Exercises and examples make up the heart of the text, with abstract exposition kept to a minimum.



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David C. Lay, Steven R. Lay  
& Judi J. McDonald

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R. Kent Nagle, Edward Saff  
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**Course:** Differential Equations

*Fundamentals of Differential Equations* presents the basic theory of differential equations and offers a variety of modern applications in science and engineering. Available in two versions, these flexible texts offer the instructor many choices in syllabus design, course emphasis (theory, methodology, applications, and numerical methods), and in using commercially available computer software.



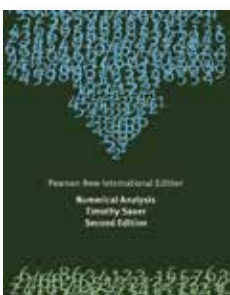
## Elementary Differential Equations, 8e

Earl D. Rainville, Phillip E. Biedent  
& Richard E. Biedent

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544pp • Paperback • £53.99

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This text emphasizes the physical interpretation of mathematical solutions and introduces applied mathematics while presenting differential equations. Coverage includes Fourier series, orthogonal functions, boundary value problems, Green's functions, and transform methods.



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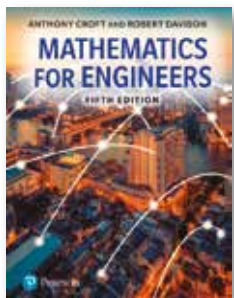
Edward B. Saff &  
Arthur David Snider

9781292023755 • ©2013  
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eBook: 9781292036885 • £49.00

**Course:** Complex Analysis

This is the best seller in this market. It provides a comprehensive introduction to complex variable theory and its applications to current engineering problems. It is designed to make the fundamentals of the subject more easily accessible to students who have little inclination to wade through the rigors of the axiomatic approach. Modelled after standard calculus books – both in level of exposition and layout – it incorporates physical applications throughout the presentation, so that the mathematical methodology appears less sterile to engineering students.



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Tony Croft & Robert Davison

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Understanding key mathematical concepts and applying them successfully to solve problems are vital skills that all engineering students must acquire. *Mathematics for Engineers* teaches, develops and nurtures those skills. Practical, informal and accessible, it begins with the foundations and gradually builds upon this knowledge as it introduces more complex concepts to cover all requirements for a first year engineering maths course, together with introductory material for even more advanced topics.



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Stephen H. Friedberg,  
Arnold J. Insel &  
Lawrence E. Spence

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Michael Sullivan

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Ron Larson & Elizabeth Farber

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eBook: TBC • £TBC

**Available with MyLab Statistics**  
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Paul Velleman & David E. Bock

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Richard J. Larsen & Morris L. Marx

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**Course:** Introductory Statistics-Calculus Based

Noted for its integration of real-world data and case studies, this text offers sound coverage of the theoretical aspects of mathematical statistics. The authors demonstrate how and when to use statistical methods, while reinforcing the calculus that students have mastered in previous courses. Throughout the Fifth Edition, the authors have added and updated examples and case studies, while also refining existing features that show a clear path from theory to practice.



## Introduction to Mathematical Statistics, 7e

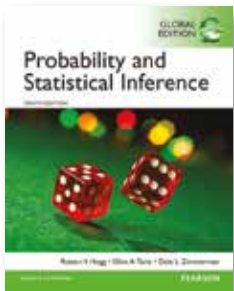
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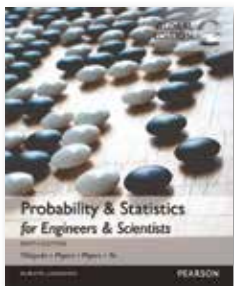
Sheldon Ross

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*A First Course in Probability* features clear and intuitive explanations of the mathematics of probability theory, outstanding problem sets, and a variety of diverse examples and applications. This book is ideal for an upper-level undergraduate or graduate level introduction to probability for math, science, engineering and business students. It assumes a background in elementary calculus.



## Probability & Statistics for Engineers & Scientists, 9e

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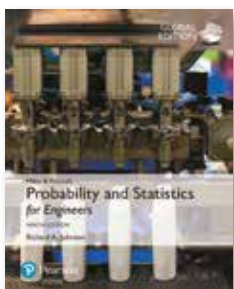
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**Course:** Probability & Statistics – Engineers & Scientists

This classic text provides a rigorous introduction to basic probability theory and statistical inference, with a unique balance between theory and methodology. Interesting, relevant applications use real data from actual studies, showing how the concepts and methods can be used to solve problems in the field. This revision focuses on improved clarity and deeper understanding.



## Miller & Freund's Probability and Statistics for Engineers, 9e

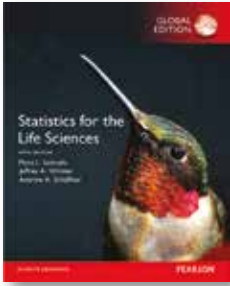
Richard A. Johnson, Irwin Miller & John Freund

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eBook: 9781292176031 • £43.99

**Course:** Probability & Statistics – Engineers & Scientists

This text is rich in exercises and examples, and explores both elementary probability and basic statistics, with an emphasis on engineering and science applications. Much of the data has been collected from the author's own consulting experience and from discussions with scientists and engineers about the use of statistics in their fields. In later chapters, the text emphasizes designed experiments, especially two-level factorial design.



**Statistics for the Life Sciences, 5e**

Myra L. Samuels, Jeffrey A. Witmer & Andrew Schaffner

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 656pp • Paperback • £56.99  
 eBook: 9781292101828 • £46.00

**Course:** Biostatistics

This text uses authentic examples and exercises from a wide variety of life science domains to give statistical concepts personal relevance, enabling students to connect concepts with situations they will encounter outside the classroom. The emphasis on understanding ideas rather than memorizing formulas makes the text ideal for students studying a variety of scientific fields: animal science, agronomy, biology, forestry, health, medicine, nutrition, pharmacy, physical education, zoology and more.