Differential Equations and Boundary Value Problems: Computing and Modeling
Edition 5

Edwards / Penney / Calvis
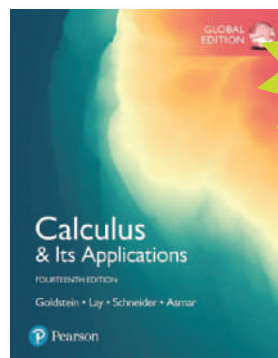
Binding Paperback | **Page Count** 800

For introductory courses in differential equations

This best-selling text blends the traditional algebra problem-solving skills with the conceptual development and geometric visualization of a modern differential equations course that is essential to science and engineering students. It reflects the new qualitative approach that is altering the learning of elementary differential equations, including the wide availability of scientific computing environments like Maple, Mathematica, and MATLAB. Its focus balances the traditional manual methods with the new computer-based methods that illuminate qualitative phenomena and make accessible a wider range of more realistic applications. Seldom-used topics have been trimmed and new topics added: it starts and ends with discussions of mathematical modeling of real- world phenomena, evident in figures, examples, problems, and applications throughout the text.

Table of Contents

1. First-Order Differential Equations
2. Mathematical Models and Numerical Methods
3. Linear Equations of Higher Order
4. Introduction to Systems of Differential Equations
5. Linear Systems of Differential Equations
6. Nonlinear Systems and Phenomena
7. Laplace Transform Methods
8. Power Series Methods
9. Fourier Series Methods and Partial Differential Equations
10. Eigenvalue Methods and Boundary Value Problems

ISBN 9781292108773 | **PUB Date** 9/10/2017

Calculus & Its Applications
Edition 14

Goldstein / Lay / Schneider / Asmar

Binding Paperback | **Page Count** 664

For one- or two-semester courses in Calculus for students majoring in business, social sciences, and life sciences

Calculus & Its Applications builds intuition with key concepts of calculus before the analytical material. For example, the authors explain the derivative geometrically before they present limits, and they introduce the definite integral intuitively via the notion of net change before they discuss Riemann sums. The strategic organization of topics makes it easy to adjust the level of theoretical material covered. The significant applications introduced early in the course serve to motivate students and make the mathematics more accessible. Another unique aspect of the text is its intuitive use of differential equations to model a variety of phenomena in Chapter 5, which addresses applications of exponential and logarithmic functions.

Time-tested, comprehensive exercise sets are flexible enough to align with each instructor's needs, and new exercises and resources in MyLab™ Math help develop not only skills, but also conceptual understanding, visualization, and applications. The 14th Edition features updated exercises, applications, and technology coverage, presenting calculus in an intuitive yet intellectually satisfying way.

Table of Contents

0. Functions
1. The Derivative
2. Applications of the Derivative
3. Techniques of Differentiation
4. The Exponential and Natural Logarithm Functions
5. Applications of the Exponential and Natural Logarithm Functions
6. The Definite Integral
7. Functions of Several Variables
8. The Trigonometric Functions
9. Techniques of Integration
10. Differential Equations
11. Taylor Polynomials and Infinite Series
12. Probability and Calculus

ISBN 9781292229041 | **PUB Date** 4/23/2018
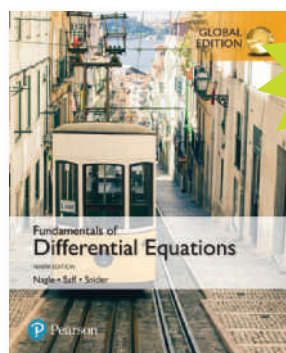
Fundamentals of Differential Equations, Global Edition
Edition 9

Nagle / Saff / Snider

Binding Paperback | **Page Count** 720

ISBN 9781292240992 | **PUB Date** 2/19/2018

MyLab Math available

For one-semester sophomore- or junior-level courses in Differential Equations

An introduction to the basic theory and applications of differential equations

Fundamentals of Differential Equations presents the basic theory of differential equations and offers a variety of modern applications in science and engineering. This flexible text allows instructors to adapt to various course emphases (theory, methodology, applications, and numerical methods) and to use commercially available computer software. For the first time, MyLab™ Math is available for this text, providing online homework with immediate feedback, the complete eText, and more.

Table of Contents

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog

NEW

MyLab Math available

Pearson

Thomas' Calculus
Edition 14

Hass / Heil / Weir

Binding Paperback | **Page Count** 1224

For three-semester or four-quarter courses in Calculus for students majoring in mathematics, engineering, or science

Thomas' Calculus helps students reach the level of mathematical proficiency and maturity you require, but with support for students who need it through its balance of clear and intuitive explanations, current applications, and generalized concepts. In the 14th Edition, new co-author Christopher Heil (Georgia Institute of Technology) partners with author Joel Hass to preserve what is best about Thomas' time-tested text while reconsidering every word and every piece of art with today's students in mind.

Table of Contents

1. Functions
2. Limits and Continuity
3. Derivatives
4. Applications of Derivatives
5. Integrals
6. Applications of Definite Integrals
7. Transcendental Functions
8. Techniques of Integration
9. First-Order Differential Equations
10. Infinite Sequences and Series
11. Parametric Equations and Polar Coordinates
12. Vectors and the Geometry of Space
13. Vector-Valued Functions and Motion in Space
14. Partial Derivatives
15. Multiple Integrals
16. Integrals and Vector Fields
17. Second-Order Differential Equations
Appendices
1. Real Numbers and the Real Line
2. Mathematical Induction
3. Lines, Circles, and Parabolas
4. Proofs of Limit Theorems
5. Commonly Occurring Limits
6. Theory of the Real Numbers
7. Complex Numbers
8. The Distributive Law for Vector Cross Products
9. The Mixed Derivative Theorem and the Increment Theorem

ISBN 9781292253220 | **PUB Date** 3/23/2017

NEW

MyLab Math available

Pearson

Thomas' Calculus: Early Transcendentals, 14/e
Edition 14

Hass / Heil / Weir
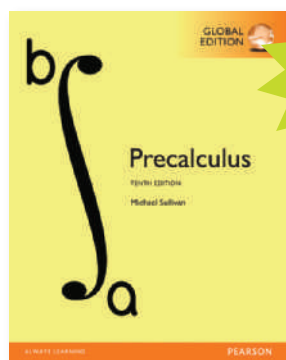
Binding Paperback | **Page Count** 1232

For three-semester or four-quarter courses in Calculus for students majoring in mathematics, engineering, or science

Thomas' Calculus: Early Transcendentals helps students reach the level of mathematical proficiency and maturity you require, but with support for students who need it through its balance of clear and intuitive explanations, current applications, and generalized concepts.

Table of Contents

1. Functions
2. Limits and Continuity
3. Derivatives
4. Applications of Derivatives
5. Integrals
6. Applications of Definite Integrals
7. Integrals and Transcendental Functions
8. Techniques of Integration
9. Infinite Sequences and Series
10. Parametric Equations and Polar Coordinates
11. Vectors and the Geometry of Space
12. Vector-Valued Functions and Motion in Space
13. Partial Derivatives
14. Multiple Integrals
15. Integrals and Vector Fields
16. First-Order Differential Equations
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2 Graphing with Software
3. Mathematical Induction AP-6
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5 Proofs of Limit Theorems AP-19
6 Commonly Occurring Limits AP-22
7 Theory of the Real Numbers AP-23
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9. Probability
10. The Distributive Law for Vector Cross Products AP-34
11. The Mixed Derivative Theorem and the Increment Theorem

ISBN 9781292253114 | **PUB Date** 4/2/2018


Precalculus
Edition 10

Sullivan

Binding Paperback | **Page Count** 1176

Mike Sullivan's time-tested approach in Precalculus focuses students on the fundamental skills they need for the course: preparing for class, practicing with homework, and reviewing the concepts. The 10th Edition has evolved to meet today's course needs.

Table of Contents

1. Graphs
2. Functions and Their Graphs
3. Linear and Quadratic Functions
4. Polynomial and Rational Functions
5. Exponential and Logarithmic Functions
6. Trigonometric Functions
7. Analytic Trigonometry
8. Applications of Trigonometric Functions
9. Polar Coordinates; Vectors
10. Analytic Geometry
11. Systems of Equations and Inequalities
12. Sequences; Induction; the Binomial Theorem
13. Counting and Probability
14. A Preview of Calculus: The Limit, Derivative, and Integral of a Function
Appendix A: Review
Appendix B: Graphing Utilities

ISBN 9781292121772 | **PUB Date** 4/1/2018
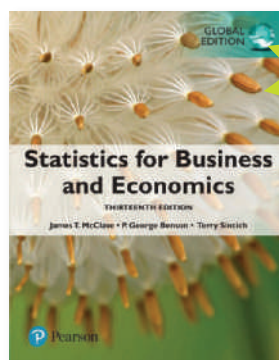
Statistics for Business and Economics
Edition 13

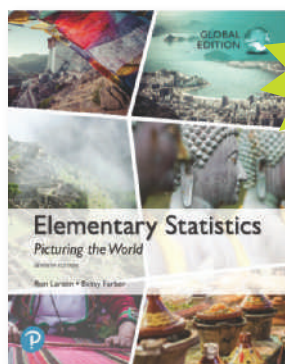**Mcclave / Benson / Sincich**

Binding Paperback | **Page Count** 888

For courses in Introductory Business Statistics

Now in its 13th Edition, Statistics for Business and Economics introduces statistics in the context of contemporary business. Emphasizing statistical literacy in thinking, the text applies its concepts with real data and uses technology to develop a deeper conceptual understanding. Examples, activities, and case studies foster active learning in the classroom while emphasizing intuitive concepts of probability and teaching students to make informed business decisions. The 13th Edition continues to highlight the importance of ethical behavior in collecting, interpreting, and reporting on data, while also providing a wealth of new and updated exercises and case studies.

Table of Contents

1. Statistics, Data, and Statistical Thinking
2. Methods for Describing Sets of Data
3. Probability
4. Random Variables and Probability Distributions
5. Sampling Distributions
6. Inferences Based on a Single Sample: Estimation with Confidence Intervals
7. Inferences Based on a Single Sample: Tests of Hypotheses
8. Inferences Based on Two Samples: Confidence Intervals and Tests of Hypotheses
9. Design of Experiments and Analysis of Variance
10. Categorical Data Analysis
11. Simple Linear Regression
12. Multiple Regression and Model Building
13. Methods for Quality Improvement: Statistical Process Control (Available Online)
14. Time Series: Descriptive Analyses, Models, and Forecasting (Available Online)
15. Nonparametric Statistics (Available Online)

ISBN 9781292227085 | **PUB Date** 2/3/2018

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog

MyLab Statistics available

Elementary Statistics: Picturing the World
Edition 7

Larson / Farber
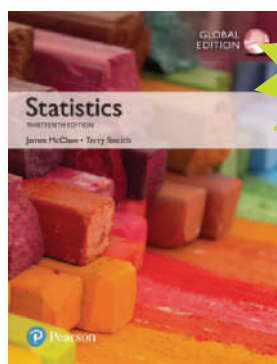
Binding Paperback | **Page Count** 712

For courses in Introductory Statistics (algebra-based)

Elementary Statistics: Picturing the World makes statistics approachable with stepped-out instruction, extensive real-life examples and exercises, and a design that fits content to each page to make the material more digestible. The text's combination of theory, pedagogy, and design helps students understand concepts and use statistics to describe and think about the world. The 7th Edition incorporates a thorough update of key features, examples, and exercises.

Table of Contents

I. DESCRIPTIVE STATISTICS
1. Introduction to Statistics
2. Descriptive Statistics
3. Probability
4. Discrete Probability Distributions
5. Normal Probability Distributions
6. Confidence Intervals
7. Hypothesis Testing with One Sample
8. Hypothesis Testing with Two Samples
IV. MORE STATISTICAL INFERENCE
9. Correlation and Regression
10. Chi-Square Tests and the F -Distribution
APPENDICES
Appendix A: Alternative Presentation of the Standard Normal Distribution
Appendix B: Tables

ISBN 9781292260464 | **PUB Date** 1/13/2018

MyLab Statistics available

Statistics
Edition 13

Mcclave / Sincich

Binding Paperback | **Page Count** 896
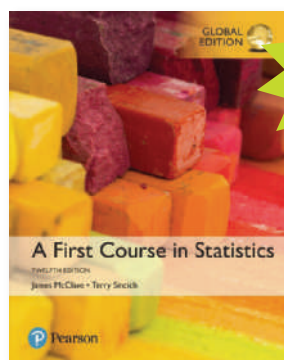
For courses in introductory statistics

Classic, yet contemporary; theoretical, yet applied. McClave & Sincich's Statistics gives you the best of both worlds. This text offers a trusted, comprehensive introduction to statistics that emphasizes inference and integrates real data throughout. The authors stress the development of statistical thinking, the assessment of credibility, and value of the inferences made from data. This new edition is extensively revised with an eye on clearer, more concise language throughout the text and in the exercises.

Ideal for one- or two-semester courses in introductory statistics, this text assumes a mathematical background of basic algebra. Flexibility is built in for instructors who teach a more advanced course, with optional footnotes about calculus and the underlying theory.

Table of Contents

1. Statistics, Data, and Statistical Thinking
2. Methods for Describing Sets of Data
3. Probability
4. Discrete Random Variables
5. Continuous Random Variables
6. Sampling Distributions
7. Inferences Based on a Single Sample: Estimation with Confidence Intervals
8. Inferences Based on a Single
9. Inferences Based on Two Samples: Confidence Intervals and Tests of Hypotheses
10. Analysis of Variance: Comparing More than Two Means
11. Simple Linear Regression
12. Multiple Regression and Model Building
13. Categorical Data Analysis
14. Nonparametric Statistics (available online)

ISBN 9781292161556 | **PUB Date** 4/1/2018

MyLab Statistics available

A First Course in Statistics
Edition 12

Mcclave / Sincich

Binding Paperback | **Page Count** 640

For courses in introductory statistics

Classic, yet contemporary; theoretical, yet applied–McClave & Sincich's A First Course in Statistics gives you the best of both worlds. This text offers a trusted, comprehensive introduction to statistics that emphasizes inference and integrates real data throughout. The authors stress the development of statistical thinking, the assessment of credibility, and value of the inferences made from data. This new edition is extensively revised with an eye on clearer, more concise language throughout the text and in the exercises.

Ideal for one- or two-semester courses in introductory statistics, this text assumes a mathematical background of basic algebra. Flexibility is built in for instructors who teach a more advanced course, with optional footnotes about calculus and the underlying theory.

Table of Contents

1. Statistics, Data, and Statistical Thinking
2. Methods for Describing Sets of Data
3. Probability
4. Discrete Random Variables
5. Continuous Random Variables
6. Sampling Distributions
7. Inferences Based on a Single Sample: Estimation with Confidence Intervals
8. Inferences Based on a Single
9. Inferences Based on Two Samples: Confidence Intervals and Tests of Hypotheses
10. Analysis of Variance: Comparing More than Two Means
11. Simple Linear Regression
12. Multiple Regression and Model Building
13. Categorical Data Analysis
14. Nonparametric Statistics (available online)

ISBN 9781292165417 | **PUB Date** 4/1/2018
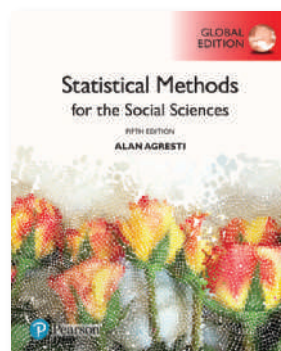
Statistical Methods for the Social Sciences
Edition 5

Agresti

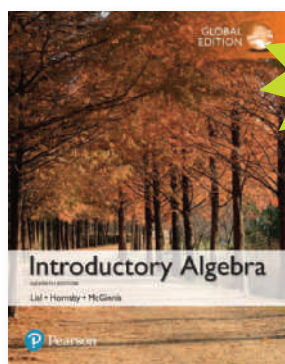**Binding** Paperback | **Page Count** 568

For courses in Statistical Methods for the Social Sciences

Statistical Methods for the Social Sciences introduces statistical methods to students majoring in social science disciplines. With an emphasis on concepts and applications, this book assumes no previous knowledge of statistics and only a minimal mathematical background. It contains sufficient material for a two-semester course. The 5th Edition uses examples and exercises with a variety of real data. It includes more illustrations of statistical software for computations and takes advantage of the outstanding applets to explain key concepts, such as sampling distributions and conducting basic data analyses. It continues to downplay mathematics (often a stumbling block for students) while avoiding reliance on an overly simplistic recipe-based approach to statistics.

Table of Contents

Introduction
Sampling and Measurement
Descriptive Statistics
Probability Distributions
Statistical Inference: Estimation
Statistical Inference: Significance Tests
Comparison of Two Groups
Analyzing Association between Categorical Variables
Linear Regression and Correlation
Introduction to Multivariate Relationships
Multiple Regression and Correlation
Regression with Categorical Predictors: Analysis of Variance Methods
Multiple Regression with Quantitative and Categorical Predictors
Model Building with Multiple Regression
Logistical Regression: Modeling Categorical Responses
Appendix: R, Stata, SPSS, and SAS for Statistical Analyses
Answers to Select Odd-Numbered Exercises

ISBN 9781292220314 | **PUB Date** 4/1/2018

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog

Introductory Algebra, Global Edition
Edition 11

Lial / Hornsby / Mcginnis

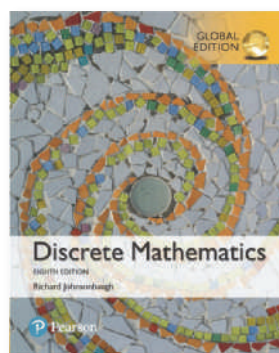**Binding** Paperback | **Page Count** 752

For courses in Beginning Algebra

The Lial Series has helped thousands of students succeed in developmental mathematics by combining clear, concise writing and examples with carefully crafted exercises to support skill development and conceptual understanding. Written with the developmental learner in mind, the precise, accessible writing style delivers help precisely when needed. The revision of the series faithfully continues to support students with enhancements in the text and Pearson MyLab Mathematics course to encourage conceptual understanding beyond skills and procedures. Student-oriented features throughout the text and Pearson MyLab Mathematics, including the Relating Concepts exercises, Guided Solutions, Test Your Word Power, and the Lial Video Library, make the Lial series one of the most well-rounded and student-friendly on the market.

Table of Contents

ISBN 9781292246123 | **PUB Date** 4/1/2018

Discrete Mathematics, 8/e
Edition 8

Johnsonbaugh

Binding Paperback | **Page Count** 712

For one- or two-term introductory courses in discrete mathematics

With nearly 4,500 exercises, Discrete Mathematics provides ample opportunities for students to practice, apply, and demonstrate conceptual understanding. Exercise sets feature a large number of applications, especially applications to computer science. The almost 650 worked examples provide ready reference for students as they work. A strong emphasis on the interplay among the various topics serves to reinforce understanding. The text models various problem-solving techniques in detail, then provides opportunity to practice these techniques. The text also builds mathematical maturity by emphasizing how to read and write proofs. Many proofs are illustrated with annotated figures and/or motivated by special Discussion sections. The side margins of the text now include directions to relevant applications, extensions, and computer programs on the textbook website.

Table of Contents

ISBN 9781292233703 | **PUB Date** 11/13/2018
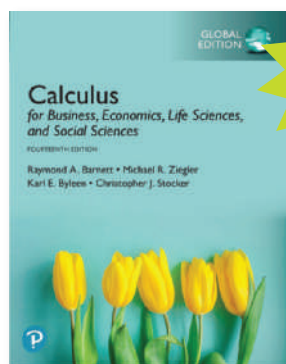
MyLab Math available

Calculus for Business, Economics, Life Sciences, and Social Sciences
Edition 14

Barnett / Ziegler / Byleen / Stocker
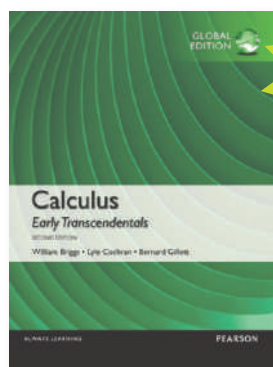
Binding Paperback | **Page Count** 800

For two-semester courses in Calculus

Calculus for Business, Economics, Life Sciences, and Social Sciences, 14th Edition offers more built-in guidance than any other text in its field (with special emphasis on applications and prerequisite skills) and a host of student-friendly features to help students catch up or learn on their own. The text's emphasis on helping students "get the idea" is enhanced in the new edition by a design refresh and updated data and applications.

Table of Contents

ISBN 9781292266152 | **PUB Date** 2/3/2018

MyLab Math available

Calculus: Early Transcendentals
Edition 2

Briggs / Cochran / Gillett

Binding Paperback | **Page Count** 1320

For a three-semester or four-quarter calculus course covering single variable and multivariable calculus for mathematics, engineering, and science majors

This book retains the best of the first edition while introducing important advances and refinements. Authors Briggs, Cochran, and Gillett build from a foundation of meticulously crafted exercise sets, then draw students into the narrative through writing through examples that are stepped out and thoughtfully annotated, and figures that are designed to teach rather than supplement the narrative.

Table of Contents

ISBN 9781292062310 | **PUB Date** 4/1/2018

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog
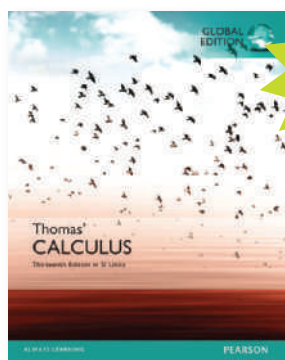
Thomas' Calculus SI
Edition 13

Thomas / Weir / Hass

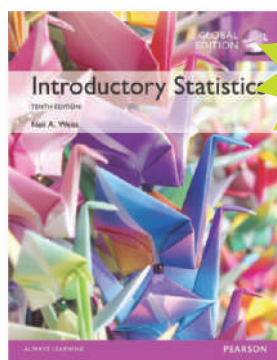**Binding** Paperback | **Page Count** 1192

This text is designed for a three-semester or four-quarter calculus course (math, engineering, and science majors).

Calculus, 13th Edition, introduces students to the intrinsic beauty of calculus and the power of its applications. For more than half a century, this text has been revered for its clear and precise explanations, thoughtfully chosen examples, superior figures, and time-tested exercise sets. With this new edition, the exercises were refined, updated, and expanded.

Table of Contents

ISBN 9781292089799 | **PUB Date** 2/25/2018

Introductory Statistics
Edition 10

Weiss

Binding Paperback | **Page Count** 856

For introductory statistics courses

Weiss's Introductory Statistics, 10th Edition emphasizes statistical reasoning and critical thinking. Comprehensive in its coverage, Weiss's meticulous style offers careful, detailed explanations to ease the learning process. With more than 1,000 data sets and over 3,000 exercises, this text takes a data-driven approach that encourages students to apply their knowledge and develop statistical understanding.

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ISBN 9781292099729 | **PUB Date** 4/1/2018

University Calculus, Early Transcendentals Edition 3

**Hass / Weir / Thomas**

Binding Paperback | **Page Count** 1076

ISBN 9781292104034 | **PUB Date** 2/25/2018

MyLab Math available

For three-semester or four-quarter courses in calculus for math, science, and engineering majors

University Calculus, Early Transcendentals, 3rd Edition helps students generalize and apply the key ideas of calculus through clear and precise explanations, thoughtfully chosen examples, meticulously crafted figures, and superior exercise sets. This text offers the right mix of basic, conceptual, and challenging exercises, along with meaningful applications. This revision features more examples, more mid-level exercises, more figures, as well as improved conceptual flow, and the best in technology for learning and teaching.

Table of Contents

1. Functions
2. Limits and Continuity
3. Differentiation
4. Applications of Derivatives
5. Integration
6. Applications of Definite Integrals
7. Integrals and Transcendental Functions
8. Techniques of Integration
9. Infinite Sequences and Series
10. Parametric Equations and Polar Coordinates
11. Vectors and the Geometry of Space
12. Vector-Valued Functions and Motion in Space
13. Partial Derivatives
14. Multiple Integrals
15. Integration in Vector Fields
16. First-Order Differential Equations (Online)
17. Second-Order Differential Equations (Online)
Appendices
1. Real Numbers and the Real Line
2. Mathematical Induction
3. Lines, Circles, and Parabolas
4. Conic Sections
5. Proofs of Limit Theorems
6. Commonly Occurring Limits
7. Theory of the Real Numbers
8. Complex Numbers
9. The Distributive Law for Vector Cross Products
10. The Mixed Derivative Theorem and the Increment Theorem
11. Taylor's Formula for Two Variables
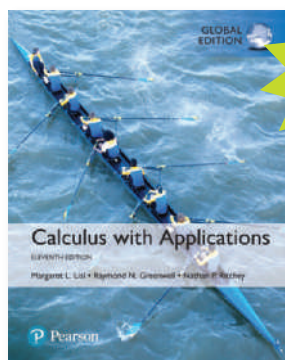
Calculus with Applications
Edition 11

Lial / Greenwell / Ritchey
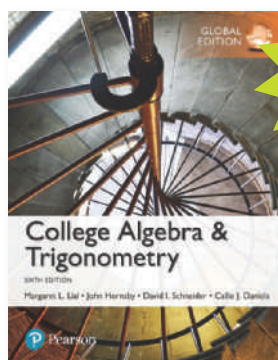
Binding Paperback | **Page Count** 864

For freshman/sophomore, two-semester (2-3 quarter) courses covering applied calculus for students in business, economics, social sciences, or life sciences

Calculus with Applications, 11th Edition by Lial, Greenwell, and Ritchey, is our most applied text to date, making the math relevant and accessible for students of business, life science, and social sciences. Current applications, many using real data, are incorporated in numerous forms throughout the book, preparing students for success in their professional careers. With this edition, students will find new ways to help them learn the material, such as Warm-Up Exercises and added "help text" within examples.

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R. Algebra Reference
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R-2 Factoring
R-3 Rational Expressions
R-4 Equations
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R-6 Exponents
R-7 Radicals
1. Linear Functions
2. Nonlinear Functions
3. The Derivative
4. Calculating the Derivative
5. Graphs and the Derivative
6. Applications of the Derivative
7. Integration
8. Further Techniques and Applications of Integration
9. Multivariable Calculus
10. Differential Equations
11. Probability and Calculus
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Photo Acknowledgements
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ISBN 9781292108971 | **PUB Date** 4/1/2018

College Algebra and Trigonometry
Edition 6

Lial / Hornsby / Schneider / Daniels
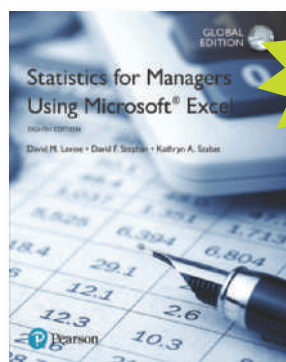
Binding Paperback | **Page Count** 1200

For courses in college algebra and trigonometry

The College Algebra series, by Lial, Hornsby, Schneider, and Daniels, combines the experience of master teachers to help students develop both the conceptual understanding and the analytical skills necessary for success in mathematics. With this latest edition, the authors respond to the challenges of new student expectations and new classroom models.

Table of Contents

1. Equations and Inequalities
2. Graphs and Functions
3. Polynomial and Rational Functions
4. Inverse, Exponential, and Logarithmic Functions
5. Trigonometric Functions
6. The Circular Functions and Their Graphs
7. Trigonometric Identities and Equations
8. Applications of Trigonometry
9. Systems and Matrices
10. Analytic Geometry
11. Further Topics in Algebra
Appendices

ISBN 9781292151953 | **PUB Date** 4/2/2018

Statistics for Managers Using Microsoft Excel
Edition 8

Levine / Stephan / Szabat
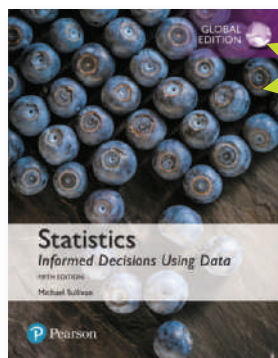
Binding Paperback | **Page Count** 728

For undergraduate business statistics courses

This text is the gold standard for learning how to use Microsoft Excel® in business statistics, helping students gain the understanding they need to be successful in their careers. The authors present statistics in the context of specific business fields; full chapters on business analytics further prepare students for success in their professions. Current data throughout the text lets students practice analyzing the types of data they will see in their professions. The friendly writing style include tips throughout to encourage learning.

Table of Contents

- 1. Defining and Collecting Data
- 2. Organizing and Visualizing Variables
- 3. Numerical Descriptive Measures
- 4. Basic Probability
- 5. Discrete Probability Distributions
- 6. The Normal Distribution and Other Continuous Distributions
- 7. Sampling Distributions
- 8. Confidence Interval Estimation
- 9. Fundamentals of Hypothesis Testing: One-Sample Tests
- 10. Two-Sample Tests
- 11. Analysis of Variance
- 12. Chi-Square and Nonparametric Tests
- 13. Simple Linear Regression
- 14. Introduction to Multiple Regression
- 15. Multiple Regression Model Building
- 16. Time-Series Forecasting
- 17. Getting Ready to Analyze Data in the Future
- 18. Statistical Applications in Quality Management (online)
- 19. Decision Making (online)
- Appendices
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- B. Important Excel and Minitab Skills and Concepts
- C. Online Resources
- D. Configuring Microsoft Excel
- E. Tables
- F. Useful Excel Knowledge
- G. Software FAQs
- Self-Test Solutions and Answers to Selected Even-Numbered Problems

ISBN 9781292156347 | **PUB Date** 9/10/2017

Statistics: Informed Decisions Using Data
Edition 5

Sullivan

Binding Paperback | **Page Count** 976

For courses in introductory statistics

Statistics: Informed Decisions Using Data, Fifth Edition, gives students the tools to see a bigger picture and make informed choices. As a current introductory statistics instructor,

Mike Sullivan III presents a text that is filled with ideas and strategies that work in today's classroom. His practical emphasis resonates with students and helps them see that statistics is connected, not only to individual concepts, but also with the world at large.

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Resources for Success
Technology Resources
Applications Index
PART 1: GETTING THE INFORMATION YOU NEED
1. Data Collection
PART 2: DESCRIPTIVE STATISTICS
2. Organizing and Summarizing Data
3. Numerically Summarizing Data
4. Describing the Relation between Two Variables
PART 3: PROBABILITY AND PROBABILITY DISTRIBUTIONS
5. Probability
6. Discrete Probability Distributions
7. The Normal Probability Distribution
PART 4: INFERENCE: FROM SAMPLES TO POPULATION
8. Sampling Distributions
9. Estimating the Value of a Parameter
10. Hypothesis Tests Regarding a Parameter
11. Inferences on Two Samples
12. Inference on Categorical Data
13. Comparing Three or More Means
14. Inference on the Least-Squares Regression Model and Multiple Regression
15. Nonparametric Statistics
Answers

ISBN 9781292157115 | **PUB Date** 4/1/2018

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog
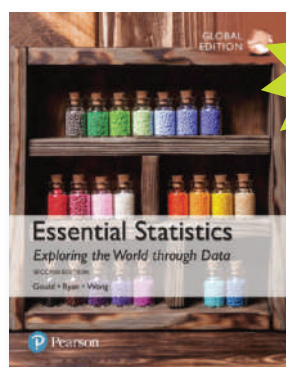
MyLab Statistics available

Essential Statistics
Edition 2

Gould / Ryan / Wong

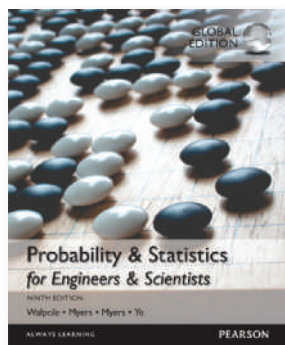**Binding** Paperback | **Page Count** 584

ISBN 9781292161228 | **PUB Date** 4/2/2018

For a one-semester course in statistic

Essential Statistics aims to teach students how to access and analyze data critically in today's data-driven world. Regardless of the students' math backgrounds, this text helps to learn how to think about data and how to reason using data. With a clear, unintimidating writing style and carefully chosen pedagogy, this text makes data analysis accessible to all students.

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Probability & Statistics for Engineers & Scientists, MyStatLab Update
Edition 9

Walpole / Myers / Myers / Ye
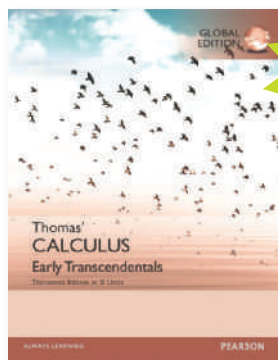
Binding Paperback | **Page Count** 816

For junior/senior undergraduates taking probability and statistics as applied to engineering, science, or computer science

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.

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ISBN 9781292161365 | **PUB Date** 4/1/2018

Thomas' Calculus Early Transcendentals SI
Edition 13

Thomas / Weir / Hass

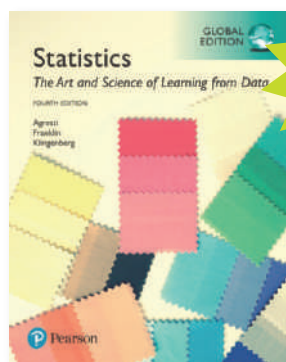**Binding** Paperback | **Page Count** 1200

This text is designed for a three-semester or four-quarter calculus course (math, engineering, and science majors).

Calculus Early Transcendentals, 13th Edition, introduces students to the intrinsic beauty of calculus and the power of its applications. For more than half a century, this text has been revered for its clear and precise explanations, thoughtfully chosen examples, superior figures, and time- tested exercise sets. With this new edition, the exercises were refined, updated, and expanded.

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ISBN 9781292163444 | **PUB Date** 4/1/2018

The full catalogue and instructor resources are available online
catalogue.pearsoned.co.uk/educator/catalog

MyLab Statistics available

Statistics: The Art and Science of Learning from Data
Edition 4

Agresti / Franklin / Klingenberg

Binding Paperback | **Page Count** 816

For courses in introductory statistics

Statistics: The Art and Science of Learning from Data, 4th Edition, takes a conceptual approach, helping students understand what statistics is about and learning theright questions to ask when analyzing data. This book takes the ideas that have turned statistics into a central science in modern life and makes them accessible, without compromising rigor. This book provides a wide variety of real-world data in the examples and exercises.

The text pays greater attention to the analysis of proportions than many other introductory statistics texts. Concepts are introduced first with categorical data, and then with quantitative data.

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Miller & Freund's Probability and Statistics for Engineers
Edition 9

Johnson / Miller / Freund

Binding Paperback | **Page Count** 552

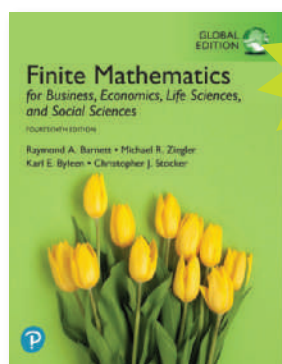For an introductory, one or two semester, or sophomore-junior level course in Probability and Statistics or Applied Statistics for engineering, physical science, and mathematics students

Miller & Freund's Probability and Statistics for Engineers 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. The 9th Edition includes several new datasets and examples showing application of statistics in scientific investigations, familiarizing students with the latest methods, and readying them to become real-world engineers and scientists.

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Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences
Edition 14

Barnett / Ziegler / Byleen / Stocker

Binding Paperback | **Page Count** 672

For one-semester courses in Finite Mathematics.

Helps students "get the idea." Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences, 14th Edition offers more built-in guidance than any other text for this course – with special emphasis on applications and prerequisite skills – and a host of student-friendly features to help students catch up or learn on their own. The text's emphasis on helping students "get the idea" is enhanced in the new edition by a design refresh, updated data and applications, and a robust MyLab™ Math course.

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I. A LIBRARY OF ELEMENTARY FUNCTIONS
1. Linear Equations and Graphs
2. Functions and Graphs
II. FINITE MATHEMATICS
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5. Linear Inequalities and Linear Programming
6. Linear Programming: The Simplex Method
7. Logic, Sets, and Counting
8. Probability
9. Markov Chains
10. Data Description and Probability Distributions
11. Games and Decisions (online at goo.gl/6VBjkQ)
Appendix A: Basic Algebra Review
Appendix B: Special Topics
Appendix C: Area under the Standard Normal Curve

ISBN 9781292264202 | **PUB Date** 11/15/2018

Introduction to Mathematical Statistics
Edition 8

Binding Paperback | **Page Count** 768

For courses in mathematical statistics.

Comprehensive coverage of mathematical statistics – with a proven approach. Introduction to Mathematical Statistics by Hogg, McKean, and Craig enhances student comprehension and retention with numerous, illustrative examples and exercises.

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1. Probability and Distributions
2. Multivariate Distributions
3. Some Special Distributions
4. Some Elementary Statistical Inferences
5. Consistency and Limiting Distributions
6. Maximum Likelihood Methods
7. Sufficiency
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9. Inferences About Normal Linear Models
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F. Answers to Selected Exercises

ISBN 9781292264769 | **PUB Date** 1/20/2018

A First Course in Probability
Edition 10

Ross

Binding Paperback | **Page Count** 528

For upper-level to graduate courses in Probability or Probability and Statistics, for majors in mathematics, statistics, engineering, and the sciences.

Explores both the mathematics and the many potential applications of probability theory. A First Course in Probability offers an elementary introduction to the theory of probability for students in mathematics, statistics, engineering, and the sciences. Through clear and intuitive explanations, it attempts to present not only the mathematics of probability theory, but also the many diverse possible applications of this subject through numerous examples. The 10th Edition includes many new and updated problems, exercises, and text material chosen both for inherent interest and for use in building student intuition about probability.

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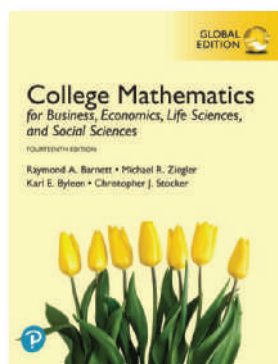
College Mathematics for Business, Economics, Life Sciences, and Social Sciences
Edition 14

Barnett / Ziegler / Byleen / Stocker

Binding Paperback | **Page Count** 1008

For two-semester courses in Finite Math & Applied Calculus or Mathematics for Business

College Mathematics for Business, Economics, Life Sciences, and Social Sciences, 14th Edition offers more built-in guidance than any other text for this course – with special emphasis on applications and prerequisite skills – and a host of student-friendly features to help students catch up or learn on their own. Its emphasis on helping students "get the idea" is enhanced in the new edition by a design refresh, updated data and applications, and a robust MyLab™ Math course.

The text is organized into three parts: A Library of Elementary Functions (Chapters 1-2), Finite Mathematics (Chapters 3-8, 15), and Calculus (Chapters 9-14).

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ISBN 9781292270494 | **PUB Date** 5/8/2018