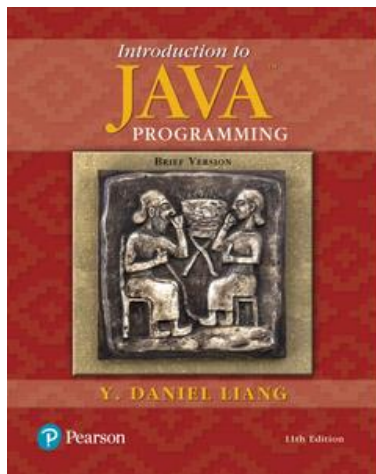


LIBRARY BOOK SUGGESTIONS VOL.3/2020



TITLE : INTRODUCTION TO JAVA PROGRAMMING
EDITION : 11th EDITION
AUTHOR : Y. Daniel Liang, Georgia Southern University
ISBN : 9780134611037
PUBLISHER : PEARSON

SYNOPSIS:

Designed to support an introductory programming course, *Introduction to Java Programming and Data Structures, Brief Version* teaches concepts of problem-solving and object-orientated programming using a fundamentals-first approach. Beginner programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The **11th edition** has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises.



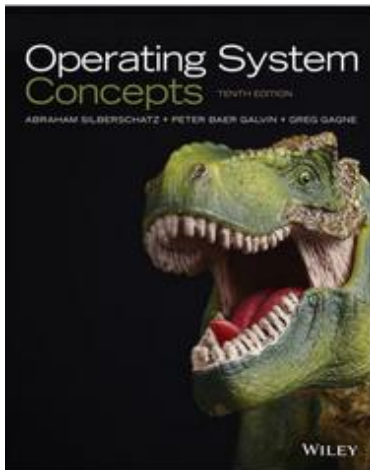
TITLE : Digital Systems
EDITION : 12th EDITION
AUTHOR : Ronald Tocci, Neal Widmer and Greg Moss
ISBN : 9780134220130
PUBLISHER : PEARSON

SYNOPSIS:

Take a journey in Digital Systems from novice to expert.

Written for all courses in digital electronics—from introductory to advanced, from high school to two- and four-year college programs—this **Twelfth Edition** of *Digital Systems* thoroughly prepares students for the study of digital systems and computer and microcontroller hardware. The text begins with the basics of digital systems, including the AHDL hardware description language, then gradually progresses to increasingly challenging topics, including the more complex VHDL.

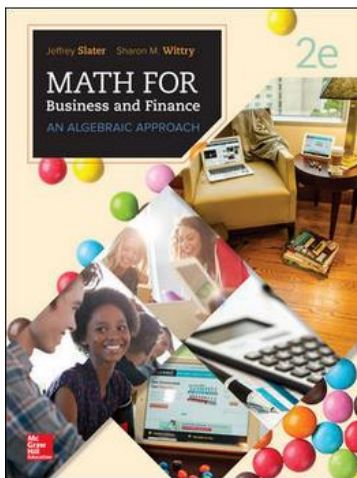
The text is comprehensive yet highly readable, clearly introducing the purpose and fundamentals of each topic before delving into more technical descriptions. It is also definition-focused, with new terms listed in each chapter and defined in a glossary. This **Twelfth Edition** has been thoroughly revised and updated with new material on section-level learning outcomes, Quadrature Shaft Encoders used to obtain absolute shaft positions, troubleshooting prototype circuits using systematic fault isolation techniques, Time Division Multiplexing, expanded discussion of VHDL data objects and more!



TITLE : OPERATING SYSTEM CONCEPT
EDITION : 10th EDITION
AUTHOR : Abraham Silberschatz , Greg Gagne and Peter B. Galvin
ISBN : 9781119642824
PUBLISHER : John Wiley & Sons, Inc.

SYNOPSIS:

The tenth edition of *Operating System Concepts* has been revised to keep it fresh and up-to-date with contemporary examples of how operating systems function, as well as enhanced interactive elements to improve learning and the student's experience with the material. It combines instruction on concepts with real-world applications so that students can understand the practical usage of the content. End-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts. New interactive self-assessment problems are provided throughout the text to help students monitor their level of understanding and progress. A Linux virtual machine (including C and Java source code and development tools) allows students to complete programming exercises that help them engage further with the material.



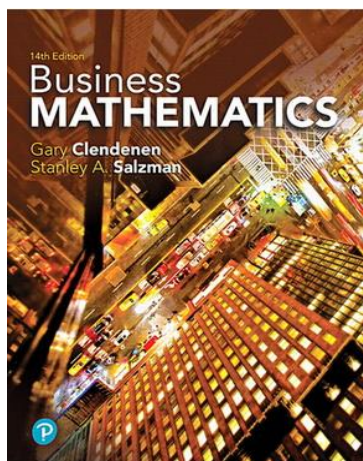
TITLE : MATH FOR BUSINESS AND FINANCE: AN ALGEBRAIC APPROACH
EDITION : 2nd EDITION
AUTHOR : Jeffrey Slater and Sharon Wittry
ISBN : 9781259957581
PUBLISHER : McGraw Hill

SYNOPSIS:

Math for Business & Finance: An Algebraic Approach provides modern examples for students to understand business mathematics and make connections with real-world applications. The course covers mathematical concepts from an algebraic approach, combined with Business applications. Every chapter is devoted to a Personal Finance theme, with topics that include Payroll and the Cost of Purchasing a Home. There is also extensive integration of scientific calculator notation, and also has the Wall Street Journal and Kiplinger news clips that have been widely popular in Jeffrey Slater's other two Business Math texts.

Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, and how they need it, so that your class time is more engaging and effective.

"synopsis" may belong to another edition of this title.



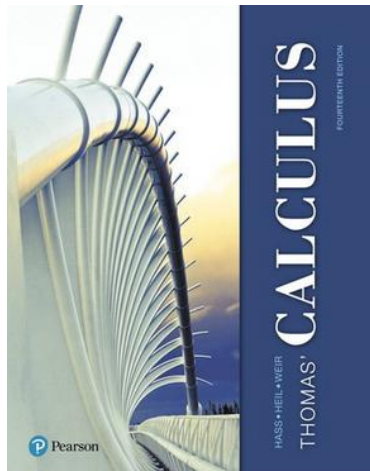
TITLE : BUSINESS MATHEMATICS
EDITION : 14th EDITION
AUTHOR : Gary Clendenen and Stanley A. Salzman
ISBN : 9780134693323
PUBLISHER : PEARSON

SYNOPSIS:

Focuses on current issues, real companies, and pragmatic business scenarios

Business Mathematics by Clendenen and Salzman teaches students the mathematical skills they need for success in business, emphasizing mastery of business concepts and scenarios that require a mathematical solution. With a strong focus on current issues, real companies, and pragmatic business scenarios, the authors cover the full spectrum of basic business math, placing every concept in context with relevant examples.

Along with an updated MyLab™ Math course, the **14th Edition** has been significantly revised to modernize the text, improve discussions, and make the material more meaningful to students. This revision is packed with data, examples, graphs, photographs, and case studies that demonstrate the material's relevance as it teaches students to interpret data and information. A global perspective is emphasized through examples and exercises that highlight issues in other countries.

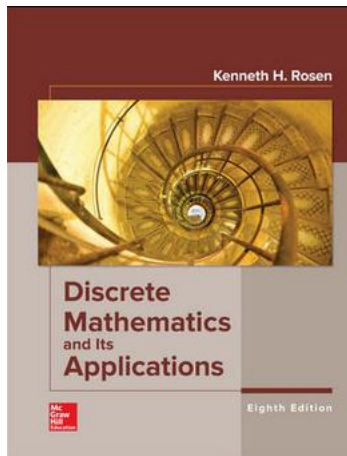


TITLE : *Thomas' Calculus*
EDITION : 14th EDITION
AUTHOR : Joel R. Hass, Christopher E. Heil and Maurice D. Weir
ISBN : 9780134438986
PUBLISHER : PEARSON

SYNOPSIS:

Clarity and precision

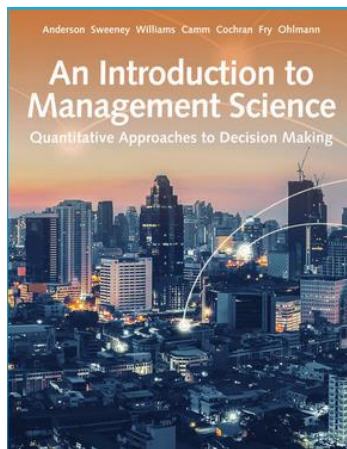
Thomas' Calculus helps students reach the level of mathematical proficiency and maturity you require, but with support for students who need it through its balance of clear and intuitive explanations, current applications, and generalized concepts. In the 14th Edition, new co-author Christopher Heil (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. The result is a text that goes beyond memorizing formulas and routine procedures to help students generalize key concepts and develop deeper understanding.



TITLE : DISCRETE MATHEMATICS AND ITS APPLICATIONS
EDITION : 8th EDITION
AUTHOR : Kenneth Rosen
ISBN : 9781259676512
PUBLISHER : McGraw Hill

SYNOPSIS:

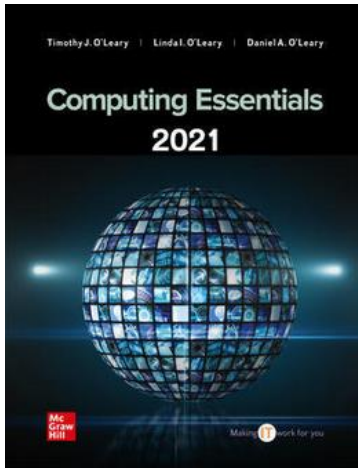
Rosen's Discrete Mathematics and its Applications presents a precise, relevant, comprehensive approach to mathematical concepts. This world-renowned best-selling text was written to accommodate the needs across a variety of majors and departments, including mathematics, computer science, and engineering. As the market leader, the book is highly flexible, comprehensive and a proven pedagogical teaching tool for instructors. Digital is becoming increasingly important and gaining popularity, crowning Connect as the digital leader for this discipline.



TITLE : AN INTRODUCTION TO MANAGEMENT SCIENCE:
QUANTITATIVE APPROACHES TO DECISION MAKING
EDITION : 15th EDITION
AUTHOR : David R. Anderson, Dennis J. Sweeney, Thomas A. Williams,
Jeffrey D. Camm, James J. Cochran, Michael J. Fry and Jeffrey W.
Ohlmann
ISBN : 9781337406529
PUBLISHER : Cengage Learning

SYNOPSIS:

Now you can gain with a sound conceptual understanding of the role that management science plays in the decision-making process while mastering the latest advantages of Microsoft® Office Excel® 2016. The trusted market leader for more than two decades, Anderson/Sweeney/Williams/Camm/Cochran/Fry/Ohlmann's AN INTRODUCTION TO MANAGEMENT SCIENCE: QUANTITATIVE APPROACHES TO DECISION MAKING, 15E uses a proven problem-scenario approach to introduce each quantitative technique within an applications setting. All data sets, applications, and screen visuals reflect the details of Excel 2016 to effectively prepare you to work with the latest spreadsheet tools. In addition, the book's online content offers LINGO software and Excel add-ins.

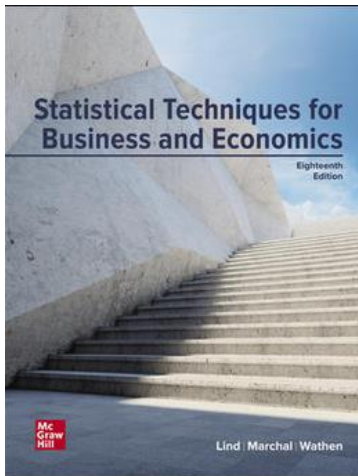


TITLE : COMPUTING ESSENTIALS 2021
EDITION : 28th EDITION
AUTHOR : Timothy O'Leary and Linda O'Leary and Daniel O'Leary
ISBN : 9781260323993
PUBLISHER : McGraw Hill

SYNOPSIS:

The rate of change in the digital information age is clearly increasing, and computer literacy is becoming a prerequisite. The goal of the 28th edition of Computing Essentials is to provide students with an introductory understanding of the concepts necessary for success and to instill an appreciation for the effect of information technology on people, privacy, ethics, and our environment. Today's students put much effort toward the things that are relevant to them, yet it is sometimes difficult to engage them in other equally important topics like personal privacy and technological advances.

Each chapter highlights a most promising career in IT including webmaster, software engineer, and database administrator by presenting job titles, responsibilities, educational requirements, and salary ranges. Students see the material relate directly to potential career paths.



TITLE : STATISTICAL TECHNIQUES IN BUSINESS AND ECONOMICS
EDITION : 18th EDITION
AUTHOR : Douglas Lind and William Marchal and Samuel Wathen
ISBN : 9781260239478
PUBLISHER : McGraw Hill

SYNOPSIS:

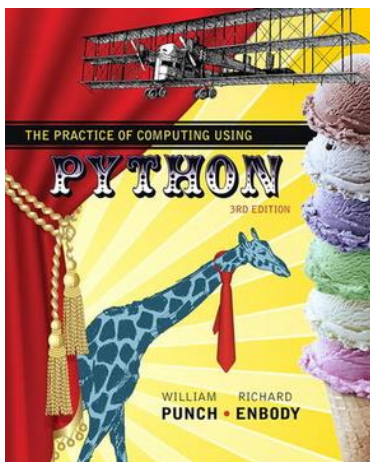
Statistical Techniques in Business and Economics, 18e is a best seller, originally published in 1967 to provide students majoring in management, marketing, finance, accounting, economics, and other fields of business administration with an introductory survey of descriptive and inferential statistics. Its hallmark presentation boasts a step by step approach that was written so clearly that any student can learn and succeed in Business Statistics. Its simple language and use of multiple examples focus on business applications, but also relate to the current world of the college student. This step-by-step approach enhances performance, accelerates preparedness, and significantly improves motivation. Lind's real-world examples, comprehensive coverage, and superior pedagogy that now includes data analytics coverage, combined with a complete digital solution help students achieve higher outcomes in the course.



TITLE : DATABASE CONCEPTS
EDITION : 9th EDITION
AUTHOR : David M Kroenke, David J. Auer, David J. Auer, Scott L. Vandenberg and Robert C. Yoder
ISBN : 9780135188149
PUBLISHER : PEARSON

SYNOPSIS:

Hands-on exploration of database fundamentals
Database Concepts offers students practical help creating and managing small databases, from two of the world's leading database authorities. The text focuses on database concepts, rather than features and functions of a particular product, making it flexible enough to work with the instructor's preferred software. Data sets for three sample databases run throughout portions of the text so students can practice working with complete databases. Three running projects challenge learners to apply concepts and techniques to real business situations. In the **9th edition**, Microsoft® Office 2019, and particularly Microsoft Access™ 2019, is now the basic software used and is shown running on Microsoft Windows™ 10.



TITLE : The Practice of Computing Using Python
EDITION : 3rd EDITION
AUTHOR : William F. Punch and Richard Enbody
ISBN : 9780134379760
PUBLISHER : PEARSON

SYNOPSIS:

Introduces Python programming with an emphasis on problem-solving
Now in its **Third Edition**, *Practice of Computing Using Python* continues to effectively introduce readers to computational thinking using Python, with a strong emphasis on problem solving through computer science. The authors have chosen Python for its simplicity, powerful built-in data structures, advanced control constructs, and practicality. The text is built from the ground up for Python programming, rather than having been translated from Java or C++.

Focusing on data manipulation and analysis as a theme, the text allows readers to work on real problems using Internet-sourced or self-generated data sets that represent their own work and interests. The authors also emphasize program development and provide readers of all backgrounds with a practical foundation in programming that suit their needs. Among other changes, the **Third Edition** incorporates a switch to the Anaconda distribution, the SPYDER IDE, and a focus on debugging and GUIs.



TITLE : Programming Languages and Paradigms
EDITION : 2nd EDITION
AUTHOR : James B. Fenwick
ISBN : 9781449652302
PUBLISHER : Jones and Bartlett Publishers, Inc

SYNOPSIS:

Designed for courses in Computer Science or Computer Engineering, this comprehensive text introduces students to the primary constructs of contemporary programming language concepts and provides them with the tools necessary to critically analyze and assess existing and future programming languages. Programming Languages and Paradigms covers the four major programming paradigms as outlined in the ACM/IEEE Computer Science curriculum guidelines (imperative, functional, logical, and object-oriented) and presents each paradigm within two chapters. The first chapter covers the paradigm's focus language in detail and then investigates how this language answers the eight fundamental questions of language design. The second chapter provides a detailed treatment of the language's more advanced features and further includes coverage of other well-known languages of the paradigm. Most chapters end with a case study that provides students with a larger application to be solved using the target language for the paradigm.

The organization of Programming Languages and Paradigms provides students with a good balance between practical, hands-on programming experience in the paradigm and the design issues associated with the paradigm, providing them with a solid foundation for understanding the fundamental concepts of programming languages. Key Features: *

Covers the four major programming paradigms as outlined in the ACM/IEEE CS curriculum guidelines: imperative; functional; logical; and object-oriented. * Provides hands-on programming experience in each of the paradigms covered and utilizes a different target language for each: C for imperative, F# for functional, Prolog for logical, and C# for object-oriented. * Illustrates and discusses concurrency for each of the target languages at the time the language is introduced, enabling students to see a variety of mechanisms for implementing concurrency throughout the text. * Provides case studies that allow the student to solve complex problems in each paradigm.

* Provides enrichment materials at the end of the book that introduce the Scala multi-paradigm programming language; tools for parallel computations such as OpenMP, MPI, and OpenCL; and programming language semantics.



TITLE : Microsoft Excel 2019 - Beginning: Instructor Guide (Color)
AUTHOR : EZ-REF Courseware
ISBN : 9781096709626
PUBLISHER : Independently published

SYNOPSIS:

Topics covered in Microsoft Excel 2019 - Beginning (6-8 hours)

- Spreadsheet Basics
- Excel Basics (Screen, Menu)
- Navigating Within a Worksheet
- Changing the View
- Using Help
- Entering, Editing, Deleting & Undeleting Data
- Working with Blocks
- Adjusting Column Widths & Row Height
- Creating & Filling Formulas
- Auto Fill
- Using the Spell Checker
- Saving, Opening & Printing Workbooks
- Setting Print Options
- Copying & Moving (Drag & Drop)
- The Office Clipboard
- Formatting (Alignment, Attributes, Borders)
- Inserting & Deleting Rows/Columns
- Using Built-In Functions
- Cell Formats
- The Format Painter
- Working with Charts
- Absolute Addressing
- Creating Templates