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Shannon Moore

Shannon Moore

Director of Marketing

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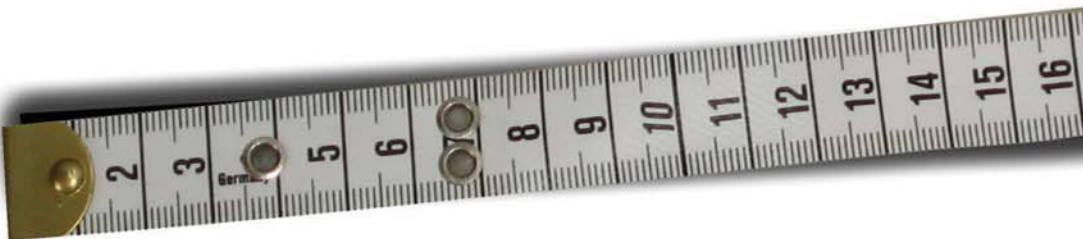
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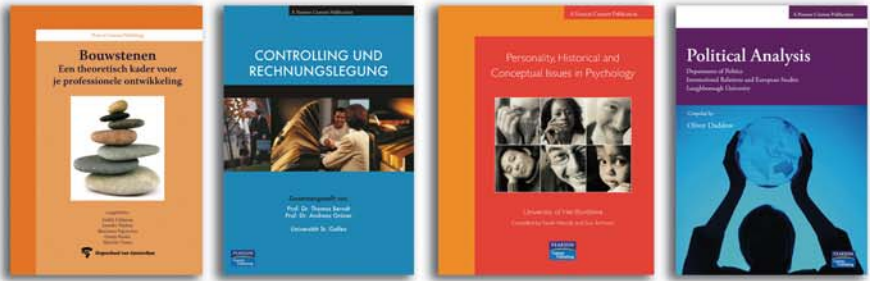
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new
EDITION

Computer Science

An Overview:
International Edition
Tenth Edition

J. GLENN BROOKSHEAR

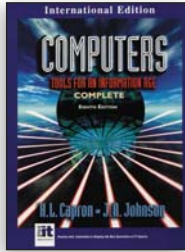
Students and instructors alike continue to praise the broad coverage and clear exposition that *Computer Science: An Overview* uses to present a complete picture of the dynamic computer science field. Accessible to students from all backgrounds, Glenn Brookshear uses a language-independent context to encourage the development of a practical, realistic understanding of the field.

The Tenth Edition employs several world-renowned experts in respective fields to ensure that coverage reflects cutting-edge technology and appeals to today's students. Timely topics such as bioinformatics and artificial intelligence engage students, and the text provides coverage of foundational hardware topics like data representation and storage, machine architecture, and machine language.

Features

- A language-independent introduction to computer science uses C#, C++, and Java™ as example languages. C++ and Java lab manuals are available for those who want to focus on a particular language.
- Ethical and legal aspects of areas such as Internet security, software engineering, and database technology.

2009 688pp Pbk
0-321-54428-5 / 978-0-321-54428-5
Addison-Wesley



new
EDITION

Computers

Tools Info Age& Expl It
Labs02: International
Edition

Eighth Edition
CAPRON & JOHNSON

For introductory courses in concepts courses, including those in Business and Information Technology.

This direct, complete text with easy-to-use style teaches the latest in computers and information technology.

Features

- New chapter on ethics and social issues. New chapter on Security and Privacy: Computers and the Internet - Gives students more emphasis on these emerging trends.
- “Day in the Life” segments – Cover the professional working area of Information Technology related to the concepts in each chapter
- Planet Internet – Includes challenging Internet exercises.
- Operating Systems – Includes coverage of Windows 95, 98, Me, NT, 2000, and XP, Windows CE, Mac OS, Unix, and Linux - Gives students broad information about the building blocks of computers.
- Database Management Systems – Includes such topics as the hierarchy of data, data integrity, the functions of database management systems, and data warehouses.

2004 624pp Pbk
0-13-230086-9 / 978-0-13-230086-5
Prentice Hall



new
EDITION

Computers Are Your Future, Complete

International Edition
Ninth Edition
BILL DALEY

For introductory courses in computer concepts or computer literacy often including instruction in Microsoft Office.

Computers Are Your Future serves as a valuable computer technology reference tool without being overwhelming or intimidating.

Features

- NEW - Thoroughly revised and updated coverage throughout.
- Visually stimulating Spotlight features—e.g., emerging technologies; buying and upgrading your computer system; and file management.
- Highlights innovative thinking in each subject area with “bites” of computer content.
- Examines issues in computing as well as cutting-edge computer technology to show students what is going to change the face of computing by the time they become professionals.
- Impacts boxes—Illustrate chapter-by-chapter insights on thought-provoking cultural and societal implications of computing.
- Provides students with substantial review including multiple choice, matching, fill in, and short answer questions, as well as exercises and Web Research projects.

2008 632pp Pbk
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Prentice Hall



Technology In Action, Complete

Fifth Edition
ALAN EVANS
KENDALL MARTIN
MARY ANN POATSY

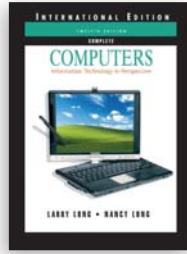
For introductory courses in computer concepts or computer literacy often including instruction in Microsoft Office.

A Computer Concepts Text Focused on Today's Student! *Technology in Action* engages students by combining a unique teaching approach with rich companion media.

Features

- Annotated Instructor's Edition - provides chapter-by-chapter recommendations from the authors on how to successfully use the companion media and resources in a course, while the new Instructor Resource CD allows you to reorganize and customize assets to fit your own teaching style.
- Learn By Experience - A unique approach teaches computer technology the way students would actually experience it in real life, not a history lesson on computers.
- Unique Companion Media - *Technology in Action*'s rich companion media have proven to engage students in and out of the classroom while providing essential training on computer concepts.
- Vango Notes Study Guide - Study on the go with VangoNotes.

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Prentice Hall



Computers

International Edition
Twelfth Edition
LARRY LONG
NANCY LONG

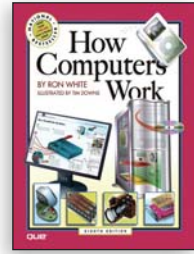
For courses in Computer Concepts and Introduction to Computers.

Providing overview coverage of computing/IT concepts and applications for introductory courses, *Computers* meets the needs of contemporary IT education in content, sequence, and depth of presentation. The material in this progressive edition reflects faculty consensus and student interests, spanning the world of information technology. It contains seven core chapters; plus an introduction to e-commerce, database management, IT security, and information systems. This text takes a user approach.

Features

- NEW - Emphasis on critical IT knowledge.
- Presents students with the everyday know-how needed to thrive in our information society, and offers them many time and money saving hints that can enhance their personal computing experience.
- Prepares students to be more effective computer users, and helps them understand what to expect in 21st century IT.
- Provides students with information about the ethical implications of technology in their daily lives.

2005 528pp Pbk
0-13-127314-0 / 978-0-13-127314-6
Pearson Education



How Computers Work

Ninth Edition
RON WHITE
TIMOTHY EDWARD DOWNS

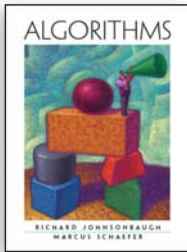
How Computers Work is the definitive illustrated guide to the world of PCs and technology. In this new edition, you'll find detailed information not just about every last component of hardware found inside your PC, but also in-depth explanations about home networking, the Internet, PC security, and even how cell phone networks operate.

This full-colour, fully illustrated guide to the world of technology assumes nothing and explains everything.

Features

- How tablet PCs put the power of a PC quite literally in your hands
- How Windows Vista makes your Windows desktop translucent and makes your PC more secure
- How advances in optical disc technology such as dual-layer DVD, HD-DVD, and Blu-Ray discs continue to push the envelope
- How Apple's new iPhone is revolutionizing what cell phones can do
- How BitTorrent technology enables anyone to share information with everyone

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Que



Algorithms

International Edition
RICHARD JOHNSONBAUGH
MARCUS SCHAEFER

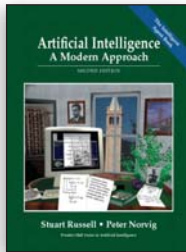
For upper-level undergraduate and graduate courses in algorithms.

Filling the void left by other algorithms books, *Algorithms and Data Structures* provides an approach that emphasizes design techniques. The text includes application of algorithms, examples, end-of-section exercises, end-of-chapter exercises, hints and solutions to selected exercises, figures and notes to help the reader master the design and analysis of algorithms.

Features

- Numerous algorithm traces throughout the book.
- Enables students to check their understanding of the algorithm.
- Over 1,000 end-of-section exercises—With answers to 1/3 of them in the back of the book.
- Helps students practice solving problems.
- More applications than other algorithms texts.
- Provides students with applications to computer science to motivate the material.
- Provides students with expanded explanations of particular topics and additional information on algorithms.

2004 768pp Pbk
0-13-122853-6 / 978-0-13-122853-5
Prentice Hall



Artificial Intelligence

A Modern Approach:
International Edition
Second Edition
STUART RUSSELL
PETER NORVIG

For one or two-semester, undergraduate or graduate-level courses in Artificial Intelligence.

The long-anticipated revision of this best-selling text offers the most comprehensive, up-to-date introduction to the theory and practice of artificial intelligence.

Features

- Provides a simple overview of major concepts, uses a nontechnical language to help increase understanding. Makes the book accessible to a broader range of students.
- The Internet as a sample application for intelligent systems – Examples of logical reasoning, planning, and natural language processing using Internet agents.
- Increased coverage of material – including constraint satisfaction, local search planning methods, multi-agent systems, game theory, statistical natural language processing and uncertain reasoning over time. More detailed descriptions of algorithms for probabilistic inference, fast propositional inference, probabilistic learning approaches including EM, and other topics.

2003 1132pp Pbk
0-13-080302-2 / 978-0-13-080302-3
Prentice Hall



first
EDITION

COMING SOON

Business Database Systems

THOMAS CONNOLLY
CAROLYN BEGG
RICHARD HOLOWCZAK

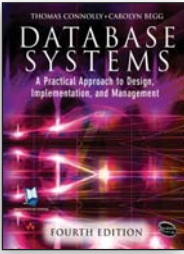
Business Database Systems arms you with the knowledge to analyse, design and implement effective, robust and successful databases. Using a tried and tested three-phase methodology, the authors lucidly describe each facet of the database development lifecycle, giving you a complete understanding of the fundamentals in this key topic area and helping you to ensure that your databases are the best that they possibly can be.

This book is ideal for students of Business/Management Information Systems, or Computer Science, who will be expected to take a course in database systems for their degree programme. It is also excellently suited to any practitioner who needs to learn, or refresh their knowledge of, the essentials of database management systems.

Features

- Three-phase design methodology covering conceptual database design; logical database design; and physical database design.
- Step-by-step approach introduces each stage of the database development lifecycle.
- Extensive coverage of Structured Query Language (SQL), the industry-standard language of databases.

2008 560pp Pbk
1-4058-7437-6 / 978-1-4058-7437-3
Addison Wesley



Database Systems

A Practical Approach to Design, Implementation and Management

Fourth Edition

**THOMAS CONNOLLY
CAROLYN BEGG**

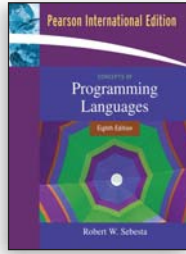
For undergraduate courses covering databases for the following departments; Computer Science, Business IT, Management Information Systems, MSc conversion courses.

A clear introduction to design, implementation and management issues, as well as an extensive treatment of database languages and standards, make this book an indispensable complete reference for database students and professionals alike.

Features

- Complex subjects are clearly explained using running case studies throughout the book – brings the subject to life by showing students how each topic actually works in real world.
- Database design methodology is explicitly divided into three phases: conceptual, logical, and physical.
- SQL is comprehensively covered in three tutorial style chapters.
- Full discussion of distributed, object-oriented, and object-relational DBMSs.

2005 1424pp Pbk
0-321-21025-5 / 978-0-321-21025-8
Addison Wesley



Concepts of Programming Languages

International Edition

Eighth Edition

ROBERT W. SEBESTA

Now in the Eighth Edition, *Concepts of Programming Languages* introduces students to the main constructs of contemporary programming languages and provides the tools necessary to critically evaluate existing and future programming languages. By presenting design issues for various language constructs, examining the design choices for these constructs in some of the most common languages, and critically comparing the design alternatives, this book gives readers a solid foundation for understanding the fundamental concepts of programming languages.

Features

- Formal methods of describing the syntax and semantics of programming languages are described in Chapter 3.
- Implementation techniques for various language constructs are discussed in chapter 4 using lexical and syntax analysis, and in chapter 10 using the implementation of subprogram linkage.
- Coverage of advanced object-oriented topics and languages like C#, Java™, JavaScript™, Perl™, PHP, XHTML, XSLT, and JSP™ is integrated throughout.

2008 752pp Pbk
0-321-50968-4 / 978-0-321-50968-0
Addison-Wesley



new
EDITION

Engineering Problem Solving with C++

Second Edition

**DELORES M. ETTER
JEANINE A. INGBER**

For one/two semester courses in Engineering and Computer Science at the freshman/sophomore level.

This text is a clear, concise introduction to problem solving and the C++ programming language. The authors' proven five-step problem solving methodology is presented and then incorporated in every chapter of the text. Outstanding engineering and scientific applications are used throughout; all applications are centered around the theme of engineering challenges in the 21st century.

Features

- Real-world engineering and scientific examples and application problems.
- Extensive pedagogy – Chapters contain Practice! problems, Modify! exercises, Exam Practice! and programming problems.
- Emphasis on readability and documentation – Stresses the importance of these two facets in program development.
- Standard C++ library – Utilizes the first international standard language published by the IOS (International Standards Organization) and ANSI (American National Standards Institute).

2008 576pp Pbk
0-13-601175-6 / 978-0-13-601175-0
Prentice Hall



new
EDITION

Problem Solving with C++

International Edition
Sixth Edition
WALTER SAVITCH

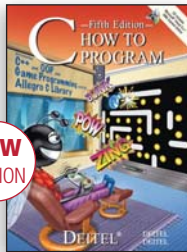
Problem Solving with C++ is the most-widely used textbook by students and instructors in the introduction to programming and C++ language course.

Created for the beginner, this book focuses on problem solving and programming techniques, in addition to the programming language.

Features

- Students benefit from Savitch's extensive use of practical programming examples, programming projects, exercises, case studies, tips, and pitfalls.
- A summary of major points appears in boxed sections of each chapter, reinforcing the most important topics.
- Self-test exercises with complete answers at the end of each chapter offering another opportunity for students to check their comprehension.
- Control Structures and Arrays are covered before Classes.
- Advanced topic coverage includes discussions of C++ templates, inheritance (including virtual functions), and exception handling, and a full chapter on the Standard Template Library (STL).

2007 1056pp Pbk
0-321-44263-6 / 978-0-321-44263-5
Addison-Wesley



new
EDITION

C How to Program

International Edition
Fifth Edition
(HARVEY & PAUL) DEITEL & ASSOCIATES

For introductory courses in C Programming. Also for courses in Programming for Engineers, Programming for Business, and Programming for Technology.

The Deitels' groundbreaking *How to Program* series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study.

Using the Deitels' signature 'Live-Code™ Approach,' this complete, authoritative introduction to C programming offers strong treatment of structured algorithm and program development in ANSI/ISO C with 150 working C programs. Includes rich, 300-page treatment of object-oriented programming in C++ that helps students interpret the code more effectively.

Features

- Features thousands of lines of code in hundreds of complete working programs.
- Icons throughout identify Software Engineering Observations; Good Programming Practices; Common Programming Errors; Portability Tips; Performance Tips, Testing and Debugging Tips, and Look-and-Feel Observations.
- Extensive set of interesting exercises and substantial projects.

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new
EDITION

C++ How to Program

International Edition
Sixth Edition
(HARVEY & PAUL) DEITEL & ASSOCIATES

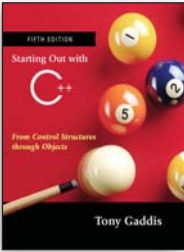
For Introduction to Programming (CS1) and other more intermediate courses covering programming in C++. Also appropriate as a supplement for upper-level courses where the instructor uses a book as a reference for the C++ language.

This best-selling comprehensive text is aimed at readers with little or no programming experience. It teaches programming by presenting the concepts in the context of full working programs and takes an early objects approach. The text has an emphasis on achieving program clarity through structured and object-oriented programming, software reuse and component-oriented software construction.

Features

- Early classes and early objects approach.
- Optional automated teller machine (ATM) case study that teaches the fundamentals of software engineering and object-oriented design with the UMLTM 2.0
- Integrated case studies throughout the book.
- Uses string and vector classes to make earlier examples more object-oriented

2008 1504pp Pbk
0-13-242701-X / 978-0-13-242701-2
Prentice Hall



Starting Out with C++

From Control Structures through Objects (Formerly 'Standard Version')
Fifth Edition
TONY GADDIS

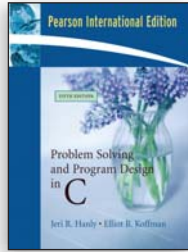
Tony Gaddis's accessible, step-by-step framework defines *Starting Out With C++: Control Structures through Objects* (formerly called Standard Version), and has made this book the #1 choice with instructors who emphasize problem-solving and program design in their introduction to programming course.

Gaddis takes a problem-solving approach, motivating students to understand the programming logic behind developing quality programs using the C++ language. Procedural programming is thoroughly covered before objects are introduced in the latter part of the book.

Features

- Control structures, functions, arrays, and pointers are covered before objects.
- The STL string class is used throughout.
- Chapter on exceptions, templates, and the Standard Template Library.
- Concise, practical examples place programming concepts into a real-world context, making them more tangible for students.

2007 1200pp Pbk
0-321-40939-6 / 978-0-321-40939-3
Addison Wesley



Problem Solving and Program Design in C

International Edition
Fifth Edition
JERI R. HANLY
ELLIOT B. KOFFMAN

Problem Solving and Program Design in C is one of the best-selling introductory programming textbook using the C programming language for beginning programmers. It embraces a balanced approach to program development and an introduction to ANSI C and provides a gradual introduction to pointers and covers programming with functions early in the text.

The fifth edition has been updated to reflect current developments in the C programming language and includes a new chapter on Multitasking.

Features

- Gradual introduction of pointers with consistent emphasis on the connection between problem solving skills and effective software development.
- Early coverage of functions, logical operators, and operators with side effects.
- New chapter on Multiprocessing Using Processes and Threads
- 'On to C++' chapter provides an introduction to the C++ programming language.

2007 944pp Pbk
0-321-46464-8 / 978-0-321-46464-4
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Java Software Solutions

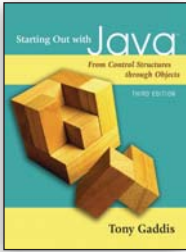
Foundations of Program Design
International Edition
Sixth Edition
JOHN LEWIS
WILLIAM LOFTUS

As the worldwide best seller for introductory programming using the Java™ programming language, *Java Software Solutions* is the premiere model of text that teaches a foundation of programming techniques to foster well-designed object-oriented software. Heralded for its integration of small and large realistic examples, the authors' emphasize building solid problem-solving and design skills.

Features

- Introduces a software methodology early and revisits it throughout to ensure that students build sound program-development skills
- Includes numerous programming examples, both small and large, that include the program output, sample run, or screenshot display
- Provides a wealth of end-of-chapter programming projects, varying in difficulty level, so students can practice their design skills and implementation of Java™ programs

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0-321-54934-1 / 978-0-321-54934-1
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Starting Out with Java

From Control Structures through Objects
Third Edition
TONY GADDIS

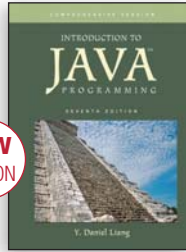
Tony Gaddis's accessible, step-by-step style helps beginning students understand the important details necessary to become skilled programmers at an introductory level.

In *Starting Out with Java: From Control Structures through Objects*, Gaddis covers procedural programming – control structures and methods – before introducing objects in the latter part of the book. As with all Gaddis texts, clear and easy-to-read code listings, concise and practical real-world examples, and an abundance of exercises appear in every chapter.

Features

- The Third Edition is fully compatible with both Java (J2SE) 5.0 and the new version, Java 6.0.
- Concise, practical, and real-world examples that students understand and relate to are included to foster motivation and retention.
- Each new copy of the Third Edition comes with a Student Resource Disk that includes source code, appendices, case studies, JDK 6.0, NetBeans™ IDE, jGrasp™ IDE, TextPad® Eclipse™ and DrJava.

2008 987pp Pbk
0-321-47927-0 / 978-0-321-47927-3
Addison Wesley



new
EDITION

Introduction to Java Programming

Comprehensive Version
Seventh Edition
International Edition
Y DANIEL LIANG

Regardless of major, students will be able to grasp concepts of problem-solving and programming - thanks to Liang's ground breaking fundamentals-first approach, which enables students to understand problem solving and core constructs before object-oriented programming. Students begin using objects early. Later chapters introduce advanced topics including graphical user interface, exception handling, I/O, and data structures. Small, simple examples demonstrate concepts and techniques while longer examples are presented in case studies with overall discussions and thorough line-by-line explanations.

Features

- Innovative fundamentals-first approach - Starts students with essential problem-solving and programming concepts (control statements, methods, and arrays); moves on to object-oriented programming, graphical user interface (GUI), and applets; and finally introduces exception handling, binary I/O, and recursion.
- Exceptionally broad range of carefully chosen examples.
- Utilizes the industry's most advanced online homework application.

2009 1584pp Pbk
0-13-605966-X / 978-0-13-605966-0
Prentice Hall



Objects First With Java

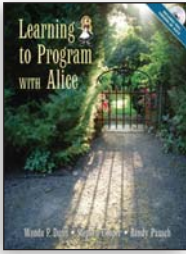
A Practical Introduction Using BlueJ
Third Edition
DAVID J. BARNES
MICHAEL KOLLING

The book has a very clear identity.

It takes a truly objects first approach to teaching problem solving using Java. These are complicated concepts so the book uses the development environment BlueJ to help the student's understanding. BlueJ has a strong emphasis on visualization and interaction techniques, and allows the students to manipulate objects and call methods as a first exercise. BlueJ is free and freely available, and has been developed specifically for teaching.

The book is loaded with projects so that the student can really get a grip on actually solving problems; and it takes a "spiral approach", introducing a topic in a simple context early on, then revisiting it later in the book to deepen understanding. It also comes with a CD containing JDK, BlueJ, a BlueJ tutorial and code for all the projects. The website contains style guide for all examples, PowerPoints for lecturers and also a Solutions Manual.

2006 520pp Pbk
0-13-197629-X / 978-0-13-197629-0
Prentice Hall



Learning to Program with Alice

WANDA P. DANN
STEPHEN COOPER
RANDY PAUSCH

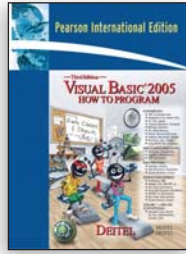
For courses in C++ - Intro to Programming/CS1, Java - Intro to Programming/CS1, and Introduction to Computer Science.

The authors use program visualization to create an easy relationship between program construct and the animation action in a 3D world. Pedagogical goals include a fundamental introduction to programming with objects, methods, decision statements, loops, recursion, and problem solving.

Features

- Supports either an objects-first or an objects-early approach, with an optional early introduction to events - Enables professors to select a sequence of chapters to suit his/her curriculum demands.
- Object-oriented programming concepts are introduced in the context of complete working animation programs - Shows students how their animated programs run.
- The concept of an 'object' is made visible and tangible in a 3-D world that is compelling to students - Makes the concept of an object more intuitive; makes properties (data) and actions (methods) easier to teach.

2006 375pp Pbk
0-13-187289-3 / 978-0-13-187289-9
Prentice Hall



Visual Basic 2005 How to Program

International Edition
Third Edition
DEITEL & ASSOCIATES

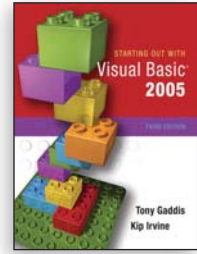
For introductory and intermediate courses on Visual Basic programming offered in departments of Computer Science, CIS, MIS, IT, Business, Engineering, and Continuing Education.

Revised to work with the new Visual Studio 2005 software, this book is ideal for beginning to intermediate level Visual Basic programmers. It includes all of the hallmark features of the How to Program series: the Deitel's signature Live-Code™ Approach, hundreds of programming tips, extensive set of interesting exercises and substantial projects.

Features

- Full color – Program listings now include syntax coloring of code to help readers better interpret the code.
- Features thousands of lines of code in hundreds of complete working programs.
- Icons throughout identify Software Engineering Observations; Good Programming Practices; Common Programming Errors; Portability Tips; Performance Tips, Testing and Debugging Tips, and Look-and-Feel Observations.
- Extensive set of interesting exercises and substantial projects.

2006 1568pp Pbk
0-13-227958-4 / 978-0-13-227958-1
Prentice Hall



Starting Out with Visual Basic 2005

Third Edition
TONY GADDIS
KIP IRVINE

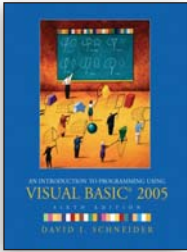
Tony Gaddis's accessible, step-by-step style is the approach students with no prior programming experience can follow and understand as they build their programming skills. An abundance of hands-on tutorials, case studies, and programming exercises gives students the practical tools needed to learn introductory programming concepts.

In *Starting Out With Visual Basic 2005*, Gaddis and Irvine take a problem-solving approach, motivating students to understand the logic behind developing quality programs while introducing the Visual Basic 2005 language. As students become familiar with each programming concept, they will learn how, why, and when to use various controls, constructs, and features of Visual Basic 2005.

Features

- Completely up-to-date with the release of Visual Basic 2005.
- Stepped-out, practical tutorials place programming concepts into a real-world context, making them more tangible for students.
- Clear code listings are easy for students to read and understand.
- Each new student edition comes with a Visual Basic 2005 Express software package.

2007 880pp Hbk
0-321-39399-6 / 978-0-321-39399-9
Addison Wesley



An Introduction to Programming Using Visual Basic 2005

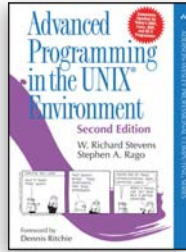
Sixth Edition
DAVID I. SCHNEIDER

Based on the newest version of Microsoft's VB. NET, this revision of Schneider's best-selling text is designed for students with no prior computer programming experience. The author uses Visual Basic .NET to explore the fundamentals of programming, building a strong foundation that will give students a sustainable understanding of programming. A broad range of examples, case studies, exercises, and programming projects give students significant hands-on experience. A 'tried and true' text, this book has been consistently praised by both students and instructors.

Features

- A thought-provoking approach that is more challenging to students – Does not water down presentation like other texts in this market.
- Teaches actual programming, not just what students can do with VB. NET.
- Teaches VB. NET in the context of object-oriented programming, not the other way around.
- Well-chosen examples that illustrate each new concept.

2007 752pp Pbk
0-13-030654-1 / 978-0-13-030654-8
Prentice Hall



Advanced Programming in the UNIX® Environment

Second Edition
W. RICHARD STEVENS
STEPHEN A. RAGO

Advanced Programming in the Unix Environment is a must-have volume describing and illustrating the programming interface to the Unix system.

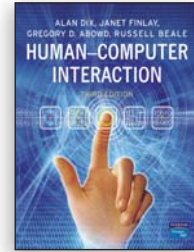
Author builds on the basic information presented in the first 15 chapters to provide chapter-length examples illustrating among other things how to develop a database library as well as a postscript print driver.

The book progresses from basic topics such as file systems, directories, and signals to more advanced topics including interprocess communications, threads and multi-threaded programming. Extensive code examples in C combined with a clear writing style make the more difficult aspects of Unix programming easy to master.

Features

- Describes and illustrates more than 200 system calls - the interface that programmers must master in order to access all major Unix internal resources.
- New Edition covers the final POSIX.1 standard as well as threads and multi-threaded programming.

2005 960pp Hbk
0-201-43307-9 / 978-0-201-43307-4
Addison Wesley



Human-Computer Interaction

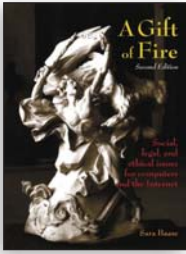
Third Edition
ALAN DIX
JANET E. FINLAY
GREGORY D. ABOWD
RUSSELL BEALE

The third edition of human-computer interaction can be used for introductory and advanced courses on HCI, Interaction Design, Usability or Interactive Systems Design. It will also prove an invaluable reference for professionals wishing to design usable computing devices. Accompanying the text is a comprehensive website containing a broad range of material for instructors, students and practitioners, a full text search facility for the book, links to many sites of additional interest and much more: go to www.hcibook.com

Features

- Strong usable design
- Gives details of HCI in practice
- Comprehensive website at www.hcibook.com
- Covers the latest topics
- Increased coverage of social and contextual models and theories
- New chapters on: Interaction Design, Universal Access and Rich Interaction

2004 864pp Hbk
0-13-046109-1 / 978-0-13-046109-4
Prentice Hall



A Gift of Fire

Social, Legal, and Ethical Issues for Computers and the Internet: International Edition

Second Edition

SARA BAASE

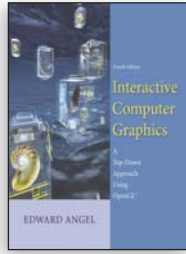
For courses in Computer Ethics and Computers & Society.

This text explores social, legal, philosophical, ethical, political, constitutional and economic implications of computing from a computer scientist's point of view. It covers the issues students will face both as members of a technological society and as professionals in computer-related fields.

Features

- NEW - Extensively updated material – Free speech issues on the Internet (censorship, spam, anonymity); privacy threats on the Web; search and surveillance technologies and their impact on the Fourth Amendment; government interception of telephone calls and e-mail (Carnivore, Echelon); intellectual property in cyberspace; computer crime (hacking, hacktivism, online fraud).
- Explores new and emerging issues and controversies and presents students with many arguments and viewpoints.
- Recent significant laws, court cases and decisions—Includes the Napster case, recent Web censorship attempts, and the Digital Millennium Copyright Act.

2003 464pp Pbk
0-13-121988-X / 978-0-13-121988-5
Prentice Hall



Interactive Computer Graphics

A Top-Down Approach Using OpenGL:

International Edition

Fourth Edition

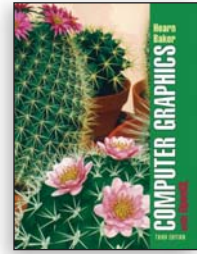
EDWARD ANGEL

Interactive Computer Graphics fourth edition presents introductory computer graphics concepts using a proven top-down, programming-oriented approach and careful integration of OpenGL to teach core concepts. The fourth edition has been revised to more closely follow the OpenGL pipeline architecture and includes a new chapter on programmable hardware topics (vertex shaders).

Features

- Provides expanded breadth and depth to account for new developments in the field of computer graphics.
- Consistent and complete discussion of the pipeline architecture.
- Coverage of the OpenGL shading language that is now an official part of OpenGL.
- Coverage of Vertex shaders and fragment shaders.
- Uses C++, as well as C.
- Rasterization content is covered before texture mapping.

2006 816pp Pbk
0-321-31252-X / 978-0-321-31252-5
Addison Wesley



Computer Graphics with OpenGL

International Edition

Third Edition

DONALD HEARN

M. PAULINE BAKER

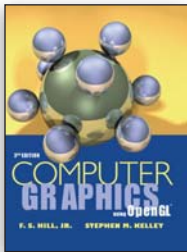
For junior- to graduate-level courses in computer graphics.

Assuming no background in computer graphics, this junior- to graduate-level course presents basic principles for the design, use, and understanding of computer graphics systems and applications. The authors, authorities in their field, offer an integrated approach to two-dimensional and three-dimensional graphics topics. A comprehensive explanation of the popular OpenGL programming package, along with C++ programming examples illustrates applications of the various functions in the OpenGL basic library and the related GLU and GLUT packages.

Features

- Provides a large and efficient collection of device independent functions for creating graphics with a general-purpose language.
- 2D and 3D topics are combined.
- Major expansions of key topics—Animation, object representation, 3D viewing pipeline, illuminations models, surface-rendering technique, and texture mapping have all been expanded and updated.

2004 880pp Pbk
0-13-120238-3 / 978-0-13-120238-2
Prentice Hall



Computer Graphics Using OpenGL

Third Edition
FRANCIS S HILL, JR.
STEPHEN M KELLEY

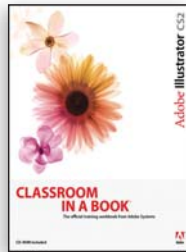
For undergraduate Computer Graphics courses.

Updated throughout for the latest developments and technologies, this text combines the principles and major techniques in computer graphics with state-of-the-art examples that relate to things students see everyday on the Internet and in computer-generated movies. Practical, accessible, and integrated in approach, it carefully presents each concept, explains the underlying mathematics, shows how to translate the math into program code, and displays the result.

Features

- Vastly expanded to include all colour images, source programs for all complete programs given in the text, and resources closely related to the book's material.
- C++ as the underlying programming language – Introduces useful classes for graphics, but does not force a rigid object-oriented posture.
- Early, in-depth treatment of 3D graphics and the underlying mathematics – Enables students to produce realistic 3D graphics much earlier in a course. Students can write programs to “fly” a camera through a 3D scene.

2007 920pp Hbk
0-13-149670-0 / 978-0-13-149670-5
Prentice Hall



Adobe Illustrator CS2 Classroom in a Book

ADOBE CREATIVE TEAM

The fastest, most comprehensive way to master Adobe Illustrator CS2.

This thorough, comprehensive guide to Adobe Illustrator CS2 is ideal for beginning users who want to master the key features of Adobe's powerful illustration software. Using clear, step-by-step lessons, each chapter contains a project that builds upon the reader's growing knowledge of the software, while review questions at the end of each chapter reinforce key concepts and skills. Readers can use the project files included in the book's companion CD to follow along with each lesson.

Features

- Project-based lessons show readers how to use Adobe Illustrator CS2 in real-life, everyday tasks.
- Combines focused learning materials and practical lessons developed by Adobe instructional designers.
- Self-paced lessons and project files give users a complete tour of the software.

2005 472pp Pbk
0-321-32183-9 / 978-0-321-32183-1
Adobe



Adobe InDesign CS2 Classroom in a Book

ADOBE CREATIVE TEAM

The fastest, most comprehensive way to master Adobe InDesign CS2!

This thorough, self-paced guide to Adobe InDesign CS2 – written by the experts at Adobe Systems – is ideal for beginning users who want to master the key features of this Adobe program, while readers who already have some experience with InDesign can use this book to familiarize themselves with InDesign CS2's newest features and tools. Using clear, step-by-step, project-based lessons, each chapter contains a project that builds upon the reader's growing knowledge of the program, while review questions at the end of each chapter reinforce the most important skills learned in each lesson.

The workbook-style format includes self-paced lessons followed by review questions to reinforce the knowledge and a CD with all of the files required to complete the book's projects.

Features

- Project-based lessons teach readers the fundamental concepts and techniques of InDesign CS2.
- InDesign CS2 includes over 300 new features, such as object styles, snippets, and smarter text handling.
- Self-paced lessons give users a complete tour of their software with the ease of working at their own desktop.

2006 480pp Pbk
0-321-32185-5 / 978-0-321-32185-5
Adobe



Adobe Photoshop CS2 Classroom in a Book

ADOBE CREATIVE TEAM

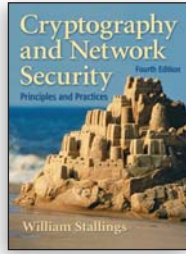
A fully updated revision of the best-selling guide to Adobe Photoshop CS2.

This thorough, self-paced guide to Adobe Photoshop CS2-written by the experts at Adobe Systems-is ideal for beginning users who want to learn key Photoshop concepts and techniques, while readers who already have some experience with Photoshop can use this book to learn Photoshop CS2's more advanced features and newest tools. Using clear, step-by-step, project-based lessons, each chapter walks readers through the creation of a specific project, with each chapter building on the reader's growing knowledge of the program, while review questions at the end of each chapter reinforce the skills learned in each lesson.

Features

- Comprehensive, project-based lessons teach readers the fundamental concepts and techniques in Photoshop CS2.
- Covers the new features, which include: Vanishing Point, Image Warp, Smart Sharpen, Spot Healing Brush, and more.
- Self-paced lessons give users a complete tour of the software with the ease of working at their own desktop.

2005 496pp Pbk
0-321-32184-7 / 978-0-321-32184-8
Adobe



Cryptography and Network Security

Fourth Edition
WILLIAM STALLINGS

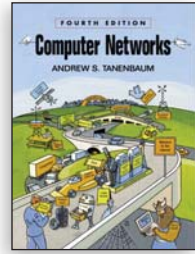
For one-semester, undergraduate- or graduate-level courses in Cryptography, Computer Security, and Network Security.

This text provides a practical survey of both the principles and practice of cryptography and network security. First, the basic issues to be addressed by a network security capability are explored through a tutorial and survey of cryptography and network security technology. Then, the practice of network security is explored via practical applications that have been implemented and are in use today.

Features

- Consistent chapter pedagogy – Each chapter includes homework problems, review questions, a list of key words, suggestions for further reading, and recommended Web sites.
- Detailed, chapter-by-chapter summary of each part – Appears at the beginning of that part.
- Abundant homework and classwork assignment material.
- An extensive glossary, a list of frequently used acronyms, and a bibliography.

2006 592pp Hbk
0-13-187316-4 / 978-0-13-187316-2
Prentice Hall



Computer Networks

International Edition
Fourth Edition
ANDREW S. TANENBAUM

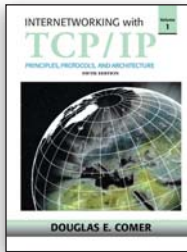
Appropriate for courses titled Computer Networking or Introduction to Networking at both the undergraduate and graduate level in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments.

In this highly anticipated revision, Tanenbaum takes a structured approach to explaining how networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications. Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media).

Features

- New Chapter on security, including coverage of IPsec, web security, and VPN security.
- New coverage of wireless communications including Bluetooth, 802.11b/wireless LANs and 3G cellular systems.

2003 912pp Pbk
0-13-038488-7 / 978-0-13-038488-1
Prentice Hall



Internetworking with TCP/IP, Vol 1

Fifth Edition
DOUGLAS E. COMER

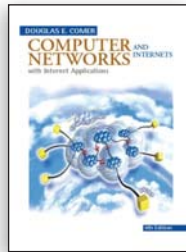
For junior to graduate-level courses in Computer Networks, Data Networks, Network Protocols, and Internetworking.

This best-selling, conceptual introduction to TCP/IP internetworking protocols interweaves a clear discussion of fundamentals with the latest technologies. Leading author Doug Comer covers layering and shows how all protocols in the TCP/IP suite fit into the five-layer model. With a new focus on CIDR addressing, this revision addresses MPLS and IP switching technology, traffic scheduling, VOIP, Explicit Congestion Notification (ECN), and Selective ACKnowledgement (SACK).

Features

- Voice and Video Over IP (RTP) – Examines the RTP protocol that allows a receiver to coordinate and play real-time data such as voice and video as well as the RSVP and COPS protocols that can be used to provide resource information.
- IP coverage – Up-to-date discussions of Internet Security and Firewalls, Design with IPSEC, the latest IPv6 features, and IP Routing.
- Discussion of routing architectures – Elaborates on the routing architectures used for large and small Internets.

2006 688pp Hbk
0-13-187671-6 / 978-0-13-187671-2
Prentice Hall



Computer Networks and Internets with Internet Applications

International Edition
Fourth Edition
DOUGLAS E. COMER

For one-semester, undergraduate/graduate introductory computer networking courses in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments.

Written by a best-selling author and leading computer networking authority, this text builds a comprehensive picture of the technologies behind Internet applications. Ideal for those with little or no background in the subject, the book answers the basic question ‘how do computer networks and Internets operate?’ in the broadest sense and includes an early optional introduction to network programming and applications.

The text provides a comprehensive, self-contained tour through all of networking from the lowest levels of data transmission and wiring to the highest levels of application software, explaining how underlying technologies provide services and how Internet applications use those services.

2004 768pp Pbk
0-13-123627-X / 978-0-13-123627-1
Prentice Hall



Computer Networking

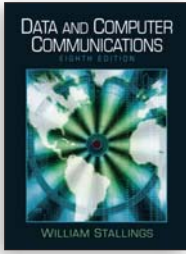
A Top-Down Approach:
International Edition
Fourth Edition
JAMES F. KUROSE
KEITH W. ROSS

Building on the successful top-down approach of previous editions, the Fourth Edition of *Computer Networking* continues with an early emphasis on application-layer paradigms and application programming interfaces, encouraging a hands-on experience with protocols and networking concepts. With this edition, Kurose and Ross bring the issues of network security to the forefront and integrate the most current and relevant networking technologies.

Features

- A balanced presentation focuses on the Internet as a specific motivating example of a network and also introduces students to protocols in a more theoretical context.
- A chapter on wireless and mobility includes insight into 802.11 and coverage of ad hoc networking.
- Principles and Practice boxes throughout demonstrate real-world applications of the principles studied.
- Material on application programming development is included, along with numerous programming assignments.

2008 880pp Hbk
0-321-51325-8 / 978-0-321-51325-0
Addison Wesley



Data and Computer Communications

Eighth Edition
WILLIAM STALLINGS

For a one/two-semester courses in Computer Networks, Data Communications, and Communications Networks in CS, CIS, and Electrical Engineering departments.

With a focus on the most current technology and a convenient modular format, this best-selling text offers a clear and comprehensive survey of the entire data and computer communications field. Emphasizing both the fundamental principles as well as the critical role of performance in driving protocol and network design, it explores in detail all the critical technical areas in data communications, wide-area networking, local area networking, and protocol design. The Eighth Edition provides updated coverage of multimedia, Gigabit and 10 Gbps Ethernet, WiFi/IEEE 802.11 wireless LANs, security, and more

Features

- The text repeatedly emphasizes such principles as multiplexing, flow control, and error control, and contrasts their application in specific areas of technology. This enables students to understand how the same protocol design principles are applied at different levels of the protocol architecture.

2007 896pp Pbk
0-13-243310-9 / 978-0-13-243310-5
Prentice Hall



CCNA 1 and 2 Companion Guide, Revised

(Cisco Networking Academy Program)
Third Edition
CISCO SYSTEMS, INC.

The only authorized textbook for the Cisco Networking Academy Program

This revised and expanded edition, which has 1:1 chapter-to-online module alignment, contains many learning aids that have been redesigned to help you reinforce the material in the course, focus on important concepts, and organize your study time for exams.

- Chapter Objectives are stated as questions at the beginning of each chapter. The objectives cover only the topics that are critical to passing the certification exam.
- Additional Topics of Interest is a new feature that indicates related information provided in the chapter that is not pertinent to pass the certification exam but would certainly be worthy to know on the job.
- Key Terms are now also listed at the beginning of each chapter in order of occurrence to alert you to the technical vocabulary that you need to understand as you work through that chapter.

2005 1088pp Hbk
1-58713-150-1 / 978-1-58713-150-9
Cisco Press



CCNA 3 and 4 Companion Guide

(Cisco Networking Academy Program)
Third Edition
CISCO SYSTEMS, INC.

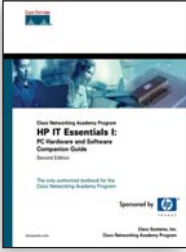
For use within the Cisco Networking Academy Program, CCNA (Semesters 3 and 4) program of study.

Cisco Networking Academy Program CCNA 3 and 4 Companion Guide, Third Edition is a companion and supplement to the third and fourth semesters of Cisco Systems Networking Academy classes. This book will support and reinforce the Web-based training materials for the Cisco Systems Network Academy, along with topics pertaining to CCNA certification. The Networking Academy is completing a major revision of the online course (3.0) to be available in the late spring/early summer 2003. The Companion Guide will mirror these changes and enhancements.

Features

- Maps to Web-based Curriculum—All print products map to the current version of the Web-based curriculum.
- Provides instructors with a print companion that matches the online learning.
- Integrated Learning—Increased integration of all Networking Academy print products.

2004 1040pp Hbk
1-58713-113-7 / 978-1-58713-113-4
Cisco Press



IT Essentials I

PC Hardware and Software Companion Guide (Cisco Networking Academy Program)
Second Edition
CISCO SYSTEMS, INC.
ABC, INC.

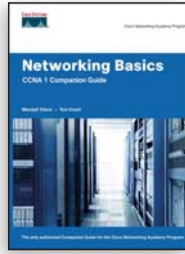
For use within the Cisco Networking Academy Program IT Essentials I: PC Hardware and software course, version 3.X. The course introduces students to information technology and data communications. The students will develop the necessary skills to enter this field by building a computer, installing the operating system, adding peripherals, and connecting the computer to a local-area network and to the Internet. This is a hands-on, lab-oriented course that stresses laboratory safety and working effectively in a group environment.

The Companion Guide is a convenient, portable desk reference that provides the student with the knowledge and understanding of general IT knowledge within the hardware environment and how to maintain a personal computer.

Features

- CD-ROM – Interactive media activities are included on a CD-ROM to complement the Companion Guide. The CD-ROM includes practice test questions for the CompTIA A+ certification exam, PhotoZooms and e-Lab Activities for further reinforcement.

2005 1104pp Hbk
1-58713-136-6 / 978-1-58713-136-3
Cisco Press



Networking Basics CCNA 1 Companion Guide

(Cisco Networking Academy Program)
WENDELL ODOM
THOMAS KNOTT

The completely revised and only authorized textbook for the Cisco Networking Academy Program CCNA 1 curriculum

- A portable reference that fully supports the topics covered in the Networking Academy CCNA 1 curriculum and aligns 1:1 with course modules
- Features enhanced readability through improved word usage, sentence structure, concise descriptions, real-world examples, and graphical presentations
- Written by leading CCNA author Wendell Odom, who brings a fresh voice to the course material
- Chapter objectives – Review core concepts by answering the questions at the beginning of each chapter.
- Key terms – Refer to the updated lists of networking vocabulary introduced in each chapter and turn to the highlighted terms in context.
- Glossary – Consult the all-new glossary with more than 700 terms.

2006 624pp Hbk
1-58713-164-1 / 978-1-58713-164-6
Cisco Press



Modern Operating Systems

International Edition
Third Edition
ANDREW S. TANENBAUM

For introductory courses in Operating Systems in Computer Science, Computer Engineering, and Electrical Engineering programs.

The widely anticipated revision of this worldwide best-seller incorporates the latest developments in operating systems technologies. The Third Edition includes up-to-date materials on relevant operating systems such as Linux, Windows, and embedded real-time and multimedia systems. Tanenbaum also provides information on current research based on his experiences as an operating systems researcher.

Features

- Coverage of all standard material - Includes processes, threads, memory management, file systems, I/O, and deadlocks.
- Discussion of multimedia file systems.
- Coverage of multiprocessors, multicomputers, virtual machines, and distributed systems - Reflects that field is rapidly moving from an era of single-processor systems to multicore systems, multiprocessors, and distributed systems.
- A thorough treatment of computer security.

2008 1,104pp Pbk
0-13-813459-6 / 978-0-13-813459-4
Prentice Hall



new
EDITION

Operating Systems

Internals and Design
Principles: United States
Edition
Sixth Edition
WILLIAM STALLINGS

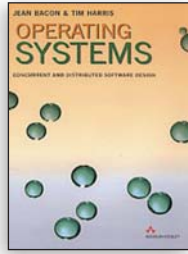
For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors.

Operating Systems: Internals and Design Principles is a comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the animation input and analyze the results.

Features

- Running case studies focused on how specific operating systems implement specific concepts are embedded throughout the text instead of end of book case studies. This enhances the student understanding of relevant concepts at the point of study.
- A copy of all algorithms in an easy-to-read Pascal pseudocode is available on the author's Web site.

2009 832pp Hbk
0-13-600632-9 / 978-0-13-600632-9
Prentice Hall



Operating Systems

Concurrent and Distributed
Software Design
**JEAN BACON
TIM HARRIS**

Modern software systems rely on the concepts of concurrency, modularity and distribution, both within the design of the operating system and those systems that it supports. Underlying this book is the premise that distributed systems are now commonplace and a reader is more likely to be using one than a centralized time-sharing system.

Features

- Incorporates Java throughout the book to illustrate concurrent algorithms, object-oriented concepts and distributed programming.
- Covers the latest developments in OS theory and practice.
- OS case studies in Unix, Linux, Windows 2000/NT, JVM.
- Integrated approach to database and distributed system design.
- Objects, concurrency and transactions are unifying themes.
- Case studies on Web services, Middleware and Transaction Processing.
- Appendix on historical evolution of systems.
- Exercises in each chapter, coupled with more challenging projects.

2003 912pp Pbk
0-321-11789-1 / 978-0-321-11789-2
Addison Wesley



Object-Oriented Software Engineering

Using UML, Patterns and
Java: International Edition
Second Edition
**BERND BRUEGGE
ALLEN H. DUTOIT**

For courses in Software Engineering, Software Development, or Object-Oriented Design and Analysis at the Junior/Senior or Graduate level.

This textbook shows how to use both the principles of software engineering as well as the practices of various object-oriented tools, processes, and products. Using a step by step case study to illustrate the concepts and topics in each chapter, this book emphasizes practical experience: participants can apply the techniques learned in class by implementing a real-world software project.

Features

- Comprehensive case study – Each chapter is complemented by an actual system case study that discusses the concepts presented.
- New chapter–‘Mapping Models to Code’ covers in detail the mapping of UML models into Java source code.
- Object-oriented modeling approach–Covers techniques in a step-by-step manner, from requirements elicitation to testing.

2004 800pp Pbk
0-13-191179-1 / 978-0-13-191179-6
Pearson Education



Software Engineering

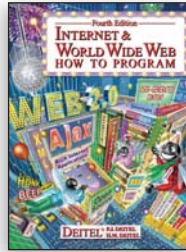
(Update)
Eighth Edition
IAN SOMMERVILLE

Building on the widely acclaimed strengths of the 7th edition, 8 updates readers with the latest developments in the field, whilst maintaining the structure and content of the 7th – easily upward compatible for those using the text in a teaching environment.

Features

- Covers all the latest developments on software engineering, keeping readers up-to-date.
- Core structure built around the key software engineering activities of specification, design, development, verification and validation and management, makes the subject even easier to grasp and gives students a clear understanding of how these important topics work together.
- 2 integrated, contrasting case studies flow through the text, continuously giving practical context and examples for topics discussed.
- Introduces management issues such as project planning early in the book, allowing it to be used in a project based course (where this material should be covered early).
- Program examples in Java.

2006 864pp Hbk
0-321-31379-8 / 978-0-321-31379-9
Addison Wesley



Internet & World Wide Web

How to Program
Fourth Edition
(HARVEY & PAUL) DEITEL & ASSOCIATES, INC.

For a wide variety of Web Programming, XHTML, and JavaScript courses found in Computer Science, CIS, MIS, IT, Business, Engineering, and Continuing Education departments.

Internet and World Wide Web How to Program, 4e introduces students with little or no programming experience to the exciting world of Web-Based applications. The book has been substantially revised to reflect today's Web 2.0 rich Internet application-development methodologies.

A comprehensive book that teaches the fundamentals needed to program on the Internet, this text provides in-depth coverage of introductory programming principles, various markup languages (XHTML, Dynamic HTML and XML), several scripting languages (JavaScript, PHP, Ruby/Ruby on Rails and Perl); AJAX, web services, Web Servers (IIS and Apache) and relational databases (MySQL/Apache Derby/Java DB)—all the skills and tools needed to create dynamic Web-based applications.

2008 1424pp Pbk
0-13-175242-1 / 978-0-13-175242-9
Prentice Hall



HTML, XHTML, and CSS

Visual QuickStart Guide
Sixth Edition
ELIZABETH CASTRO

Appropriate professionals or amateurs who want to learn HTML quickly and get up to speed with the new features, fast.

With *XHTML and CSS: Visual QuickStart Guide*, readers can start from the beginning to get a tour of the language, or look up specific tasks to learn just what they need to know. This task-based, visual reference guide uses step-by-step instructions, and hundreds of screenshots to teach beginning and intermediate users HTML. Best-selling author Elizabeth Castro takes readers step-by-step through today's HTML and XHTML essentials and provides extensive coverage of CSS techniques, current browsers (Opera, Safari, Firefox), creating pages for the mobile Web, and more.

Features

- Amply illustrated with hundreds of screen-shots—all updated to reflect the way new browsers implement HTML, XHTML, and CSS.
- Loaded with tips and techniques gleaned from real-world HTML experience by best-selling author Elizabeth Castro.

2007 456pp Pbk
0-321-43084-0 / 978-0-321-43084-7
Preachpit Press



Macromedia Flash 8

Training from the Source
JAMES ENGLISH

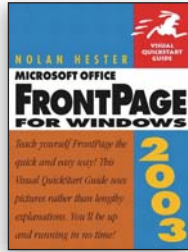
The official guide to learning Flash Basic 8 through project-based, hands-on lessons.

This Macromedia-certified guide provides the key to learning the basics of Flash 8. Through a series of hands-on projects, master trainer James English provides a firm foundation in everything Flash—from graphics, animation, and video to ActionScript fundamentals. Simple step-by-step instructions and tons of screenshots guide you through the process of creating buttons and links, drawing and animating in Flash, formatting text, adding video and sound, loading data, and more—in short, everything you need to develop sophisticated, professional-looking Web sites. A companion CD includes the lesson files needed to complete the book's projects as well as a trial version of the program itself.

Features

- Readers will gain a firm foundation of how to use Flash 8 from graphics, animation, video and rich interactive content to ActionScript fundamentals.
- Readers will learn to easily build engaging motion graphics and interactivity for delivery to the Flash Player.
- CD includes all necessary lesson files and a 30-day trial version of Flash 8.

2006 416pp Pbk
0-321-33629-1 / 978-0-321-33629-3
Macromedia Press



Microsoft Office FrontPage 2003 for Windows

Visual QuickStart Guide
NOLAN HESTER

Visual QuickStart Guide
NOLAN HESTER

For any course in Digital Graphics, Web Design, Web Scripting and Development, Multimedia, Page Layout, and Operating Systems.

These task-based, visual reference guides feature step-by-step instructions and plenty of screen shots to guide students and teachers through the most important tasks. V

Features

- Allows students to learn the most important tasks of a program or operating system and get right to work on any project.
- Step-by-Step—Numbered, easy-to-follow instructions.
- Succinct numbered instructions provide a logical approach to learning tasks.
- Visual Reference—Plenty of screen shots illustrate the step-by-step instructions.
- Visually demonstrates and reinforces the instructions for a particular task as the students work at their computers.
- Quick Reference Tabs—Tabs on each page identify the task.
- Sections that call attention to important features and additional helpful information.

2004 480pp Pbk
0-321-19449-7 / 978-0-321-19449-7
Peachpit Press



Macromedia Dreamweaver 8

Training from the Source
KHRISTINE ANNWN PAGE

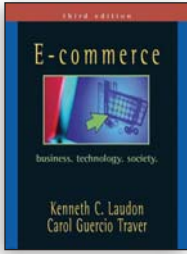
Training from the Source
KHRISTINE ANNWN PAGE

Macromedia's official guide to Dreamweaver 8, the latest version of the leading Web design software!

Learn by doing! The lessons in this book guide you step-by-step through the creation of a project Web site, "Yoga Sangha." With Macromedia's official guide, you'll learn how to use the leading, best-selling Web editor and gain a thorough understanding of how you can use Dreamweaver 8 to effectively manage and maintain Web sites, develop sites that are accessible to a wide audience, and work in an environment that integrates visual and code editing. As you complete the tasks, you'll develop the skills and techniques that you need to create Web sites on your own. In addition to the basics of creating a Web page that incorporates text, graphics and tables, you'll learn about all that's new in Dreamweaver 8: visual authoring with XML data, advanced CSS support including a unified CSS panel and a style rendering toolbar, integration with the latest Web technologies and standards, and more. The companion CD-ROM contains all of the lesson files as well as a free trial version of Dreamweaver 8.

- The completely updated best-seller includes 18 project-based lessons providing 23 hours of tutorials that teach readers how to create and maintain Websites

2006 608pp Pbk
0-321-33626-7 / 978-0-321-33626-2
Macromedia Press



E-Commerce

Business, Technology,
Society
Third Edition
KENNETH LAUDON
CAROL TRAVER

For the undergraduate and graduate e-commerce course in any discipline including marketing, information systems, economics, management, finance and accounting majors.

This comprehensive, market-leading text emphasizes the three major driving forces behind e-commerce: technology change, business development, and social controversies. Each of these driving forces is represented in every chapter, and together they provide a coherent conceptual framework for understanding e-commerce, typical of Laudon books. The book offers in-depth and comprehensive coverage of concepts in marketing, economics, IS/IT, privacy and intellectual property. The book contains numerous case studies and an additional case book is available.

Features

- This comprehensive, market-leading text emphasizes the three major driving forces behind e-commerce: technology change, business development, and social controversies.
- Conceptual framework built around the themes of Business, Technology, and Society.
- Extensive End-of-Chapter Assignment Material

2007 992pp Hbk
0-13-173516-0 / 978-0-13-173516-3
Prentice Hall



The BCS Glossary of ICT and Computing Terms

Eleventh Edition
**BCS BRITISH COMPUTER
SOCIETY**

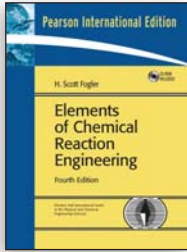
The world of computers is fast-moving and filled with jargon, so keeping up-to-date with the terminology can be daunting. The eleventh edition of this well-established authoritative glossary assumes no previous computing knowledge and uses simple language and numerous illustrations to guide the reader.

The glossary explains over 3000 computing terms. Its unique structure links related terms together in such a way that the definitions are always placed in context to help understanding.

Features

- Completely updated and now covering new technology areas such as mobile and wireless technology and wider coverage of security issues
- Structured around four themes for improved usability and understanding – how computer systems are used; what they are made of; how they are developed; and how they work
- Includes over 40 detailed introductions to sections, illustrating how terms may be used in a written context and providing background information on each section
- Design allows quick and easy access to terms

2005 472pp Pbk
0-13-147957-1 / 978-0-13-147957-9
Prentice Hall



Elements of Chemical Reaction Engineering

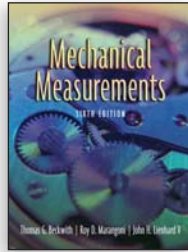
International Edition
Fourth Edition
H. SCOTT FOGLER

The book presents in a clear and concise manner the fundamentals of chemical reaction engineering. The structure of the book allows the student to solve reaction engineering problems through reasoning rather than through memorization and recall of numerous equations, restrictions, and conditions under which each equation applies. The fourth edition contains more industrial chemistry with real reactors and real engineering and extends the wide range of applications to which chemical reaction engineering principles can be applied (i.e., cobra bites, medications, ecological engineering)

Features

- The fundamentals of chemical reaction engineering – presented in a clear and conciser manner
- The reader learns how to solve problems through reasoning rather than getting lost in trying to remember which formula applies to what situation
- Reader develops critical and creative thinking skills they can apply to many situations, becoming more productive and self-reliant

2006 1120pp IPE
0-13-127839-8 / 978-0-13-127839-4
Prentice Hall



Mechanical Measurements

United States Edition
Sixth Edition
THOMAS G. BECKWITH
ROY D. MARANGONI
JOHN H. LIENHARD, V

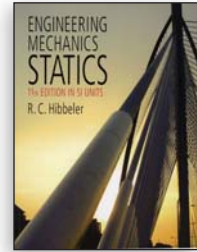
For courses in Measurement and Instrumentation offered in departments of Engineering.

This much-anticipated revision to the definitive mechanical measurements text continues to set the standard. Emphasizing precision and clarity, the authors cover fundamental issues common to all areas of measurement in Part One, then present individual chapters on applied areas of measurement in Part Two. The text's modular format makes it accessible to undergraduate students of most engineering disciplines, particularly mechanical engineering, aerospace engineering, and engineering technology.

Features

- Flexible presentation – Fits several different course formats and accommodates a wide variety of skill levels.
- Separate areas of applied measurements – Help students see the relevance of mechanical measurement to their own field of interest and offer motivation by addressing real-world measurement problems.

2007 784pp Hbk
0-201-84765-5 / 978-0-201-84765-9
Prentice Hall



Engineering Mechanics-Statics SI Pack

Eleventh Edition
RUSSELL C HIBBELER

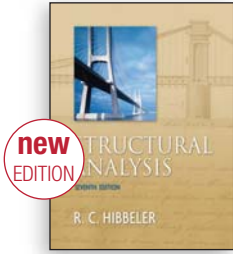
For introductory statics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments.

This best-selling text offers a concise yet thorough presentation of engineering mechanics theory and application. The material is reinforced with numerous examples to illustrate principles and imaginative, well-illustrated problems of varying degrees of difficulty. The text is committed to developing students' problem-solving skills and includes pedagogical features that have made Hibbeler synonymous with excellence in the field.

Engineering Mechanics features 'Photorealistic' figures and over 400 key figures have been rendered in often 3D photo quality detail to appeal to visual learners. An improved accompanying Student Study Pack provides chapter-by-chapter study materials as well as a tutorial on free body diagrams.

This SI Edition has the same content, as Hibbeler *Engineering Mechanics: Statics 11e US Edition*, however, all examples, exercises and solutions have been adapted into SI units, wherever US customary units were used.

2007 Pbk
013-203808-0 / 978-013-203808-9
Prentice Hall Singapore



Structural Analysis

Seventh Edition

RUSSELL C HIBBELER

For courses in Structural Analysis.

This book provides students with a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses, beams, and frames. Emphasis is placed on teaching students to both model and analyze a structure. Procedures for Analysis, Hibbeler's problem solving methodologies, provides students with a logical, orderly method to follow when applying theory

Features

- Part I - Classical methods of analysis for statically determinate structures.
- Part II – Analysis of statically indeterminate structures.
- Part III – Treats the analysis of structures using the stiffness method.
- Procedure for Analysis – Provides the student with a summary of the important concepts and a systematic approach for applying theory.
- Answers to Selected Problems – Provided in the back of the book.
- Project Problems – Problems that involve real structural systems are included at the end of selected chapters.

2009 696pp Hbk
0-13-602060-7 / 978-0-13-602060-8
Prentice Hall



new
EDITION

Modern Control Systems

International Edition
Eleventh Edition
RICHARD C DORF
ROBERT H. BISHOP

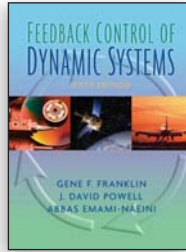
For an introductory undergraduate course in control systems for engineering students.

Written to be equally useful for all engineering disciplines, this text is organized around the concept of control systems theory as it has been developed in the frequency and time domains. It provides coverage of classical control, employing root locus design, frequency and response design using Bode and Nyquist plots. It also covers modern control methods based on state variable models including pole placement design techniques with full-state feedback controllers and full-state observers.

Features

- An integrated design and analysis approach to real-world engineering problems.
- Five levels of end-of-chapter problems—Includes Exercises, Problems, Advanced Problems, Design Problems, and Computer Problems for MATLAB® and LabVIEW MathScript.
- Coverage of computer-aided design and analysis using MATLAB® and LabVIEW MathScript—Appears throughout the text and in end-of-chapter examples and problems.

2008 1056pp Pbk
0-13-245192-1 / 978-0-13-245192-5
Prentice Hall



Feedback Control of Dynamic Systems

Fifth Edition
GENE FRANKLIN
J.D. POWELL
ABBAS EMAMI-NAEINI

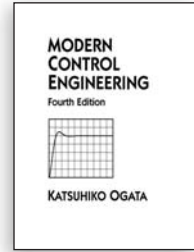
For courses in Control Theory, in departments of Mechanical Engineering, Aerospace Engineering, or Electrical Engineering.

Reorganized for use in any length course, this introductory text provides an in-depth, comprehensive treatment of a collection of classical and state-space approaches to control system design. It ties the methods together so that a designer is able to pick the method that best fits the problem at hand. The authors provide case studies and comprehensive examples with close integration of MATLAB throughout.

Features

- An early, understandable introduction to Digital Control.
- Close MATLAB/SIMULINK integration throughout – Illustrates how calculations are made as the concepts are introduced.
- Detailed examples for Internal Model Principle.
- Chapter-end study problems – Includes answers at the back of the book.
- Comprehensive case studies – Illustrates real-world problems and applies techniques from earlier chapters.

2006 928pp Hbk
0-13-149930-0 / 978-0-13-149930-0
Prentice Hall



Modern Control Engineering

International Edition
Fourth Edition
KATSUHIKO OGATA

For senior/graduate-level first courses in Control Theory in departments of Mechanical, Electrical, Aerospace, and Chemical Engineering.

This comprehensive treatment of the analysis and design of continuous-time control systems provides a gradual development of control theory—and shows how to solve all computational problems with MATLAB. It avoids highly mathematical arguments, and features an abundance of examples and worked problems throughout the text.

Features

- Chapter 10 first discusses PID control in general and then presents two-degrees-of-freedom control systems – Presents a computational (MATLAB) method to determine system parameters so the system will have desired transient characteristics.
- In-depth treatment of topics.
- Emphasizes the basic concepts and the design aspects of control systems.
- Introduces mathematical proofs whenever they contribute to an understanding of the material.
- Over 100 examples.

2002 970pp Pbk
0-13-043245-8 / 978-0-13-043245-2
Prentice Hall



new
EDITION

Digital Design

International Edition
Fourth Edition
M. MORRIS MANO
MICHAEL D. CILETTI

For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department.

Digital Design, fourth edition is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Features

- The Verilog Hardware Description Language (HDL) has been updated and expanded to exploit key enhancements that were introduced in IEEE standards 1364-2001 and 1364-2005, and to ensure that all examples conform to accepted industry practices for modeling digital hardware.
- The text introduces more graphical material to better serve learners who are oriented towards a graphical medium. Karnaugh maps are likewise presented with additional graphics to facilitate understanding of their use.
- Resources for the 4th edition can be found on www.prenhall.com/mano

2007 624pp Pbk
0-13-234043-7 / 978-0-13-234043-4
Prentice Hall



new
EDITION

Logic and Computer Design Fundamentals

International Edition
Fourth Edition
M. MORRIS MANO
CHARLES KIME

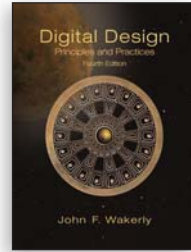
For one- to two-semester Computer Science and Engineering courses in logic and digital design.

Featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages, synthesis, and verification, this book focuses on the ever-evolving applications of basic computer design concepts with strong connections to real-world technology.

Features

- Balance of Hardware Description Language coverage – VHDL, Verilog, or none.
- Strong connections to real-world technology – Discusses SRAM, DRAM, and synchronous DRAM technologies.
- Provides solid digital system design fundamentals while accomplishing a gradual, bottom-up development of fundamentals.
- Companion Website—12 reading supplements consisting of new material and deleted material from prior editions, code for all VHDL and Verilog examples.

2008 696pp Pbk
0-13-206711-0 / 0-978-0-13-206711-9
Prentice Hall



Digital Design

Principles and Practices
Fourth Edition
JOHN F. WAKERLY

Appropriate for a first or second course in digital logic design.

Blends academic precision and practical experience in an authoritative introduction to basic principles of digital design and practical requirements. With over 30 years of experience in both industrial and university settings, the author covers the most widespread logic design practices while building a solid foundation of theoretical and engineering principles for students to use as they go forward in this fast moving field.

Features

- Now covers all popular HDLs (hardware description languages) – Verilog as well as ABEL and VHDL.
- HDL coverage is integrated through the chapters, but in separate sections and subsections so that instructors can elect to cover none, one, some, or all of the HDLs.
- Introduces students more quickly to HDL-based design, but to still gives a very strong sense of the physical circuits that result from HDL-based designs.
- Multi-chip design examples are redone in terms of VHDL and Verilog programs, instead of interconnected MSI chips and glue logic.
- 50% new exercises

2006 928pp Hbk
0-13-186389-4 / 978-0-13-186389-7
Prentice Hall



new
EDITION

Digital Fundamentals

International Edition
Tenth Edition
THOMAS L. FLOYD

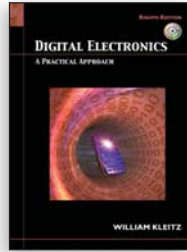
For Digital Electronics courses requiring a comprehensive text covering basic to advanced digital concepts with an emphasis on problem solving, troubleshooting, and applications.

Digital Fundamentals, 10th Edition gives students the problem-solving experience they'll need in their professional careers. Known for its clear, accurate explanations of theory supported by superior exercises and examples, this book's full-color format is packed with the visual aids today's students need to grasp often complex concepts.

Features

- A basic and limited introduction to hardware description languages. Coverage includes VHDL and Verilog.
- Thorough troubleshooting coverage. Featuring methods for testing programmable logic devices.
- Digital systems applications. A feature at the end of many chapters, each of these illustrates a system application of the topics covered in the respective chapter. Many applications have realistic circuit board and instrumentation graphics to provide a "real-world" aspect.

2009 880pp Pbk
0-13-814646-2 / 978-0-13-814646-7
Prentice Hall



Digital Electronics

A Practical Approach
Eighth Edition
WILLIAM KLEITZ

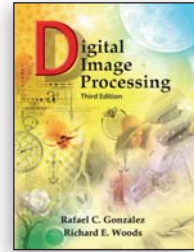
For courses in Digital Electronics, Digital Systems, and Digital Design.

Designed to be an easy-to-learn-from resource it emphasizes practical application of circuit design, operation, and troubleshooting and offers over 1,000 annotated figures to explain circuit operation or emphasize critical components and input/output criteria. This edition features updated information on surface-mount devices, expanded coverage of encoders, decoders, and multiplexers, new troubleshooting examples and more!

Features

- Programmable Logic Devices (CPLDs) – Integrated within most chapters as a modern alternative to 7400-Series ICs.
- Electronics Workbench / MultiSIM examples and troubleshooting problems – Provide computer simulation of design and troubleshooting of digital circuits.
- Schematic interpretation problems – Gives students experience interpreting real-world circuits and ICs in complete system schematic diagrams.
- Circuit operational notes – Clarifies illustrations to provide students a quick insight into circuit operation.

2008 944pp Hbk
0-13-243578-0 / 978-0-13-243578-9
Prentice Hall



Digital Image Processing

Third Edition
RAFAEL C. GONZALEZ
RICHARD E. WOODS

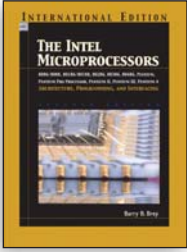
For courses in Image Processing and Computer Vision.

Completely self-contained—and heavily illustrated—this introduction to basic concepts and methodologies for digital image processing is written at a level that truly is suitable for seniors and first-year graduate students in almost any technical discipline.

Features

- Material is timely, highly readable, and illustrated with numerous examples of practical significance.
- Companion Website - Provides both students and instructors with additional support material
- Accessible mathematical complexity.
- Ensures understanding by students who have introductory preparation in mathematical analysis, vectors, matrices, probability, statistics, and rudimentary computer programming.
- Heavily illustrated.
- Chapter-end Problem sets.

2008 976pp Hbk
0-13-168728-X / 978-0-13-168728-8
Prentice Hall



**INTEL
Microprocessors
8086/8088,
80186/80188, 80286,
80386, 80486,
Pentium, Pentium
ProProcessor,
Pentium II, III, 4**
International Edition
Seventh Edition
BARRY B. BREY

For introductory-level Microprocessor courses in departments of Electronic Engineering Technology, Computer Science, or Electrical Engineering.

This text provides a comprehensive view of programming and interfacing of the Intel family of Microprocessors from the 8088 through the latest Pentium 4 microprocessor. Organized in an orderly and manageable format, it offers over 200 programming examples using the Microsoft Macro Assembler program, and provides a thorough description of each Intel family members, memory systems, and various I/O systems.

Features

- Information on the latest Pentium 4 microprocessor.
- Real-time operating systems.
- Parallel port and the ISA, VESA, and PCI bus interfaces.
- Updated chapters on assembly language programming.

2006 912pp Pbk
0-13-197407-6 / 978-0-13-197407-4
Prentice Hall



**80X86 IBM PC and
Compatible
Computers**
Assembly Language,
Design, and Interfacing
Volumes I & II:
International Edition
Fourth Edition
**MUHAMMAD ALI MAZIDI
JANICE GILLISPIE-MAZIDI**

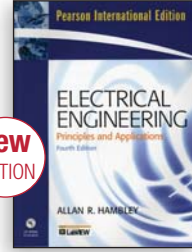
For courses in Computer Interfacing, Intel 16-32 Bit Chips, Pentium Chip, Microprocessors 16 and 32-bit Chips, and Intel 8086/8088/80x86 core texts.

Praised by experts for its clarity and topical breadth, this text uses an easy-to-understand, step-by-step approach to teaching the fundamentals of 80x86 assembly language programming and PC architecture. Offering students a fun, hands-on learning experience, it uses the Debug utility to show what action the instruction performs, then provides a sample program to show its application.

Features

- Covers all the x86 microprocessors, from the 8088 to the Pentium Pro.
- Combines assembly and C programming early on.
- Introduces the x86 instructions with examples of how they are used, and covers 8-bit, 16-bit and 32-bit programming of x86 microprocessors.
- Uses fragments of programs from IBM PC technical reference.

2003 1024pp Pbk
0-13-121975-8 / 978-0-13-121975-5
Prentice Hall



**new
EDITION**

**Electrical
Engineering**
Principles and Applications:
International Edition
Fourth Edition
ALLAN R. HAMBLEY

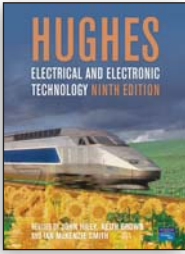
For undergraduate introductory or survey courses in electrical engineering.

This reliable text helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. Circuit analysis, digital systems, electronics, and electromechanics are covered.

Features

- Chapter-opening learning objectives
- Short, boxed articles interspersed throughout—Shows how basic electrical engineering concepts are applied in other engineering fields. Illustrates the importance of electrical engineering concepts in other fields.
- Key Equations – Highlighted in the book and included as PDF files on both CDs.
- Two CD-ROMs packaged with text.

2008 944pp Pbk
0-13-206692-0 / 978-0-13-206692-1
Prentice Hall



Electrical and Electronic Technology

Ninth Edition
EDWARD HUGHES
IAN MCKENZIE-SMITH
JOHN HILEY
KEITH BROWN

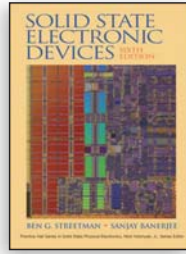
The fundamental principles of electrical technology are clearly and simply outlined and then used to introduce the application of electrical and electronic systems. Power systems are discussed fully.

The ninth edition has been extensively updated with all new advances in the field. In addition, the flow of the material has been completely revised to ensure clear understanding for students.

Features

- Keeps mathematics to a minimum, covering only the necessary principles
- Contains a wealth of worked examples, demonstrating theory in practice
- Hundreds of end-of-chapter problems test knowledge and allow students to practice solving problems
- 2-colour illustrations and text throughout aid navigation, highlight key sections and enhance understanding in figures
- SI units used throughout.

2005 960pp Pbk
 0-13-114397-2 / 978-0-13-114397-5
 Prentice Hall



Solid State Electronic Devices

Sixth Edition
BEN STREETMAN
SANJAY BANERJEE

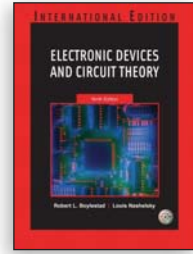
For undergraduate electrical engineering students or for practicing engineers and scientists, interested in updating their understanding of modern electronics.

One of the most widely used introductory books on semiconductor materials, physics, devices and technology, this text aims to: 1) develop basic semiconductor physics concepts, so students can better understand current and future devices; and 2) provide a sound understanding of current semiconductor devices and technology, so that their applications to electronic and optoelectronic circuits and systems can be appreciated.

Features

- The basics of semiconductor materials and conduction processes in solids – Incorporated to help students understand p-n junctions, bipolar and metal oxide semiconductor transistors, optoelectronic and other devices.
- Extensive discussion of circuit and other application examples to provide students with feedback about the practical relevance of the theory.
- Key equations for semiconductor devices.
- The entire coverage of small-signal BJT analysis – For single and multistage transistor networks is reduced from 3+ chapters to one chapter.
- Provides coverage of DC analysis of BJT networks and FET networks in the chapter preceding the AC analysis of each.
- Allows students to transition more easily from one subject to the other and understand the effect that DC analysis of each has on the AC results
- Expanded coverage of GaAs, MESFETS, LEDs, op-amps, and zener devices.
- Systems Approach—Used throughout the text.

2006 608pp Hbk
 0-13-149726-X / 978-0-13-149726-9
 Prentice Hall



Electronic Devices and Circuit Theory

International Edition
 Ninth Edition
ROBERT L. BOYLESTAD
LOUIS NASHESKY

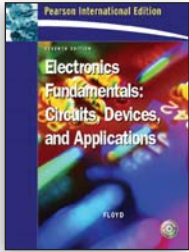
For upper-level courses in Devices and Circuits at 2-year or 4-year Engineering and Technology institutes.

Highly accurate and thoroughly updated, this text has set the standard in electronic devices and circuit theory for over 25 years. Boylestad and Nashelsky offer students a complete and comprehensive survey, focusing on all the essentials they will need to succeed on the job.

Features

- The entire coverage of small-signal BJT analysis – For single and multistage transistor networks is reduced from 3+ chapters to one chapter.
- Provides coverage of DC analysis of BJT networks and FET networks in the chapter preceding the AC analysis of each.
- Allows students to transition more easily from one subject to the other and understand the effect that DC analysis of each has on the AC results
- Expanded coverage of GaAs, MESFETS, LEDs, op-amps, and zener devices.
- Systems Approach—Used throughout the text.

2006 912pp Pbk
 0-13-197408-4 / 978-0-13-197408-1
 Pearson Education



Electronics Fundamentals

Circuits, Devices and Applications: International Edition
Seventh Edition
THOMAS L. FLOYD

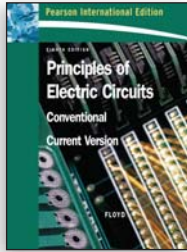
For DC/AC Circuits courses requiring a comprehensive, all inclusive text covering basic DC/AC Circuit fundamentals with additional chapters on Devices.

This renowned text offers a comprehensive yet practical exploration of basic electrical and electronic concepts, hands-on applications, and troubleshooting. Written in a clear and accessible narrative, the Seventh Edition focuses on fundamental principles and their applications to solving real circuit analysis problems, and devotes six chapters to examining electronic devices.

Features

- New Problems and Examples
- New System Applications (reviewer mandate)
- Expanded chapter on Magnetism
- Improved Illustrations with more '3D' look and feel.
- Schematics now use 'color' to represent key symbols.
- Updated Multisim files for selected text examples Multisim v8, v7, and v6 (2001) files for troubleshooting and Analysis problems are included.

2007 1056pp Pbk
0-13-199585-5 / 978-0-13-199585-7
Prentice Hall



Principles of Electric Circuits

Conventional Current Version: International Edition
Eighth Edition
THOMAS L. FLOYD

For DC/AC Circuits courses requiring a comprehensive, classroom tested text with an emphasis on troubleshooting and the practical application of DC/AC principles and concepts.

This text provides an exceptionally clear introduction to DC/AC circuits supported by superior exercises, examples, and illustrations and an emphasis on troubleshooting and applications. Throughout the text's coverage, the use of mathematics is limited to only those concepts that are needed for understanding.

Features

- Complex number coverage has been moved to Chapter 15 – RC Circuits, where it is first introduced.
- Added practical application examples for additional 'hands-on' practice.
- Updated Multisim files for selected text examples; Multisim v8, v7, and v6 (2001) files for troubleshooting and Analysis problems are included.
- Numerous worked examples and related problems throughout each chapter.

2007 976pp Pbk
0-13-238351-9 / 978-0-13-238351-6
Prentice Hall



new
EDITION

Electric Circuits

International Edition
Eighth Edition
JAMES W. NILSSON
SUSAN RIEDEL

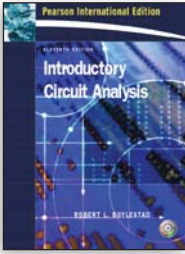
Designed for use in a one or two-semester Introductory Circuit Analysis or Circuit Theory Courses taught in Electrical or Computer Engineering Departments.

The most widely used introductory circuits textbook.

Features

- Emphasis on student and instructor assessment—Utilizes text elements such as Chapter Objectives, Assessing Objectives and Practical Perspectives.
- Allows students and instructors to more easily meet the standards set by ABET (Accreditation Board for Engineering and Technology).
- Four color design—Appeals to today's visual learners and aids in chapter navigation.
- Chapter opening photographs – Present fascinating real-world applications of the 'Practical Perspective' problem that is presented.

2008 880pp Hbk
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Prentice Hall



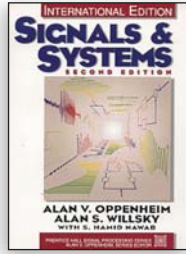
Introductory Circuit Analysis

International Edition
Eleventh Edition
ROBERT L. BOYLESTAD

For DC/AC Circuit Analysis courses requiring a comprehensive, classroom tested and time tested text with an emphasis on circuit analysis and theory.

THE most widely acclaimed text in the field for more than three decades, *Introductory Circuit Analysis* provides introductory-level students with the most thorough, understandable presentation of circuit analysis available. Exceptionally clear explanations and descriptions, step-by-step examples, practical applications, and comprehensive coverage of essentials provide students with a solid, accessible foundation.

2007 1176pp Pbk
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Prentice Hall



Signals and Systems

International Edition
Second Edition
ALAN V. OPPENHEIM
ALAN S. WILLSKY
WITH S. HAMID

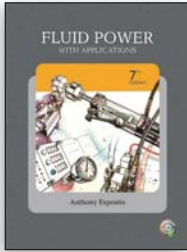
For undergraduate-level courses in Signals and Systems.

This comprehensive exploration of signals and systems develops continuous-time and discrete-time concepts/methods in parallel – highlighting the similarities and differences – and features introductory treatments of the applications of these basic methods in such areas as filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback. Relatively self-contained, the text assumes no prior experience with system analysis, convolution, Fourier analysis, or Laplace and z-transforms.

Features

- Develops continuous-time and discrete-time concepts in parallel – highlighting the similarities and differences.
- Introduces some of the important uses of the basic methods that are developed – e.g., filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback.
- Includes significantly more worked examples.
- Provides over 600 chapter-end problems – 20 per chapter, with answers (not solutions).

1997 957pp Pbk
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Prentice Hall



Fluid Power with Applications

Seventh Edition
ANTHONY ESPOSITO

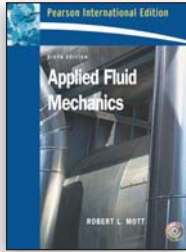
For sophomore- or junior-level courses in Fluid Power, Hydraulics, and Pneumatics in two- or four-year Engineering Technology and Industrial Technology programs.

Fluid Power with Applications, Seventh Edition presents broad coverage of fluid power technology in a readable and understandable fashion. An extensive array of industrial applications is provided to motivate and stimulate students' interest in the field. Balancing theory and applications, this text is updated to reflect current technology; it focuses on the design, analysis, operation, and maintenance of fluid power systems.

Features

- Clear presentation. Presents broad coverage of material in a readable and understandable fashion.
- Extensive use of industry-provided cutaway drawings and illustrations.
- Ideal balance of theory and applications.
- Boolean Algebra with electric ladder diagrams. Combines both in presenting the material on electrical controls.

2009 704pp Hbk
0-13-513690-3 / 978-0-13-513690-4
Prentice Hall



Applied Fluid Mechanics

International Edition
Sixth Edition
ROBERT L. MOTT

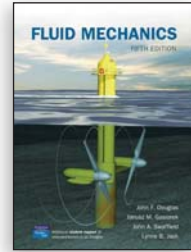
For undergraduate-level courses in Fluid Mechanics or Hydraulics in Mechanical, Chemical, and Civil Engineering Technology and Engineering programs.

The most popular applications-oriented approach to engineering technology fluid mechanics, this text covers all of the basic principles of fluid mechanics – both statics and dynamics – in a clear, practical presentation that ties theory directly to real devices and systems used in chemical process industries, manufacturing, plant engineering, waste water handling and product design.

Features

- Real-world example problems – Rather than descriptions of general situations. End-of-chapter references have been extensively revised, updated, and extended.
- Procedures for problem-solving and design – Includes spreadsheets, used to solve some types of practical fluid mechanics problems.
- Includes more about hose, plastic pipe, and tubing; describes a larger variety of viscosity measurement devices; discusses computational fluid mechanics; and illustrates several additional types of pumps.

2006 640pp Pbk
0-13-201721-0 / 978-0-13-201721-3
Prentice Hall



Fluid Mechanics

Fifth Edition
J. F. DOUGLAS
J. M. GASORIEK
JOHN SWAFFIELD
LYNNE JACK

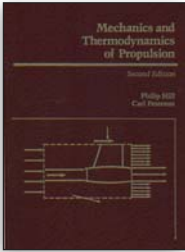
Written for courses in Fluid Mechanics in Civil and Mechanical Engineering, this text covers the fundamental principles of fluid mechanics, as well as specialist topics in more depth.

As in previous editions this book demonstrates the link between theory and practice with excellent examples and computer programs. The programs help students perform 3 types of calculations; relatively simple calculations, calculations designed to provide solutions for steady state system operation, and unsteady flow simulations.

Features

- Worked examples throughout.
- Start of chapter objectives and end of chapter summaries.
- Highlighted key equations - for easy reference.
- References to other books.
- List of symbols - for clarity and ease of use.
- Written entirely in SI (metric) units.
- Worked examples backed up by self assessment questions.

2006 992pp Pbk
0-13-129293-5 / 978-0-13-129293-2
Prentice Hall



Mechanics and Thermodynamics of Propulsion

Second Edition
PHILIP HILL
CARL PETERSON

In this textbook, the authors show that a few fundamental principles can provide students of mechanical and aeronautical engineering with a deep understanding of all modes of aircraft and spacecraft propulsion. The book also demonstrates how these fundamental principles can lead directly to useful quantitative assessments of performance as well as possibilities for improvement. The second edition provides a wide range of new illustrative material on modern aircraft and rocket engines. The authors have also improved their explanations of pertinent physical phenomena and have introduced preliminary design procedures in this edition.

1992 760pp Hbk
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Prentice Hall



new EDITION
MECHATRONICS
Electronic control systems in
mechanical and electrical engineering
4th edition

Mechatronics

A Multidisciplinary Approach
Fourth Edition
W. BOLTON

The integration of electronic engineering, mechanical engineering, control and computer engineering - Mechatronics - lies at the heart of the innumerable gadgets, processes and technology without which modern life would seem impossible. From auto-focus cameras to car engine management systems, and from state-of-the-art robots to the humble washing machine, Mechatronics has a hand in them all.

Mechatronics is essential reading for students requiring an introduction to this exciting area at undergraduate and higher diploma level. This book presents a clear and comprehensive introduction to the area. Practical and applied, it helps you to acquire the mix of skills you will need to comprehend and design mechatronic systems.

Features:

- New chapter introduces Artificial Intelligence
- New four-part structure groups key themes with a consolidating and integrating final chapter
- Even more use of models for mechatronic systems
- End of chapter exercises to help test your learning

2008 608pp Pbk
0-13-240763-9 / 978-0-13-240763-2
Prentice Hall



Operations Research

An Introduction
Eighth Edition
HAMDY A. TAHA

For junior/senior undergraduate and first-year graduate courses in Operations Research in Departments of Industrial Engineering, Business Administration, Statistics, Computer Science, and Mathematics.

Significantly revised, this text streamlines the coverage of the theory, applications, and computations of operations research.

Features

- Numerical examples are effectively used to explain complex mathematical concepts. A separate chapter of fully analyzed applications aptly demonstrates the diverse use of OR.
- The popular commercial and tutorial software AMPL, Excel, Excel Solver, and Tora are used throughout the book to solve practical problems and to test theoretical concepts.
- New materials include Markov chains, TSP heuristics, new LP models, and a totally new simplex-based approach to LP sensitivity analysis.
- Computer solutions are provided for each algorithm and all software implementations are deliberately compartmentalized to minimize disruptions in the book.

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new
EDITION

Technical Communication

Process and Product
Sixth Edition
SHARON GERSON
STEVEN GERSON

Formerly, *Technical Writing*, 5th edition, the new 6th edition embraces the multidimensional aspects of a technical communicator. By incorporating a process approach to writing many different technical documents (email, web pages, blogs) coupled with scenarios to bring to life real-world challenges, the text allows students to write successfully.

Features

- A proven, complete writing methodology that emphasizes the writing process- prewriting, writing, and rewriting.
- Contemporary communication channels such as Webinars, Wikis, Instant messaging, and blogging
- Chapter 10: Persuasive Communication discusses methods for creating effective persuasive document
- Chapter 16: Long Formal Reports discusses the purpose of long, formal, research reports in business
- Problem-Solving Think Pieces found in at the end of each chapter
- FAQ's – address common questions regarding various topics found throughout the chapter

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Technical Communication

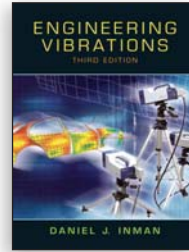
A Practical Approach
Sixth Edition
WILLIAM SANBORN PFEIFFER

Technical Communication: A Practical Approach 6e emphasizes one simple principle: you learn to write best by doing as much writing as possible. The book engages students by having them write early (starting in Chapter 1) and provides students with consistent, easy-to-follow guidelines for writing all types of technical documents.

Features

- Chapter 'Web Pages & Writing for the Web', contributed by an expert in web page design and web communication
- 'Learning Portfolio' sections at the end of each chapter
- 'Communication Challenges': Case studies that ask students to resolve communication problems
- 'Collaboration at Work': Group projects that help students learn to work in teams
- Assignments: Including ethics & international assignments and new 'A.C.T. N.O.W.: Applying Communication to Nurture Our World' assignments
- Annotated writing models: Numerous professional examples of technical documents

2006 720pp Pbk
0-13-119816-5 / 978-0-13-119816-6
Prentice Hall



Engineering Vibration

Third Edition
DANIEL J. INMAN

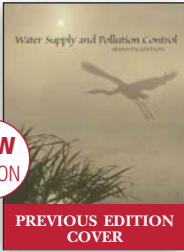
For one/two-semester introductory courses in vibration for undergraduates in Mechanical Engineering, Civil Engineering, Aerospace Engineering and Mechanics.

Serving as both text and reference manual, this book connects traditional design-oriented topics, the introduction of modal analysis, and the use of MATLAB®, Mathcad®, or Mathematica®. The author provides an unequaled combination of the study of conventional vibration with the use of vibration design, computation, analysis and testing in various engineering applications.

Features

- Special-interest windows utilized throughout the text – Placed at points where prior or background information summaries are required.
- Examines topics that reflect some of the recent advances in vibration technology, changes in ABET criteria and the increased importance of both engineering design and modal analysis.
- Almost every topic contains design-related examples or discussions.
- Computational software packages integrated into development of text material.

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0-13-228173-2 / 978-0-13-228173-7
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new
EDITION

PREVIOUS EDITION
COVER

Water Supply and Pollution Control

Eighth Edition
WARREN VIESSMAN, JR.
MARK J. HAMMER
ELIZABETH PEREZ
PAUL A. CHADIK

For upper-division undergraduate or beginning graduate courses in civil and environmental engineering.

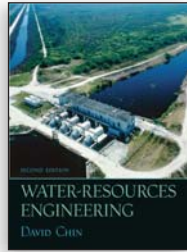
The Eighth Edition of this bestselling text has been revised and modernized to meet the needs of today's environmental engineering students who will be engaged in the design and management of water and wastewater systems. It emphasizes the application of the scientific method to problems associated with the development, movement, and treatment of water and wastewater.

Recognizing that all waters are potential sources of supply, the authors present treatment processes in the context of what they can do, rather than dividing them along clean water or waste water lines.

Features

- The interconnectedness of all potential water sources is illustrated by the text's wide breadth of coverage.
- Prominent coverage of monitoring drinking water for pathogens highlights this topic - an increasing concern as the security of drinking water becomes more critical.

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0-13-233717-7 / 978-0-13-233717-5
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Water-Resources Engineering

Second Edition
DAVID A. CHIN

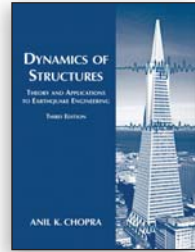
For a senior- or graduate-level first course in water-resources engineering offered in civil and environmental engineering degree programs. A prerequisite course in fluid mechanics and calculus up to differential equations is assumed.

Water-Resources Engineering provides comprehensive coverage of hydraulics, hydrology, and water-resources planning and management. Presented from first principles, the material is rigorous, relevant to the practice of water resources engineering, and reinforced by detailed presentations of design applications.

Features

- Practical design applications – Drawn from the areas of hydraulics, surface water and ground water hydrology, and hydrologic fate and transport processes.
- Computer models that are widely used in practice implement the techniques discussed.
- Design protocols that are consistent with ASCE, WEF, and AWWA Manuals of Practice – Gives students crucial familiarity with the codes and design standards that guide most modern designs.
- SI used units throughout.

2007 976pp Hbk
0-13-148192-4 / 978-0-13-148192-3
Prentice Hall



Dynamics of Structures

Third Edition
ANIL K. CHOPRA

Designed for senior-level and graduate courses in Dynamics of Structures and Earthquake Engineering. The text includes many topics encompassing the theory of structural dynamics and the application of this theory regarding earthquake analysis, response, and design of structures. No prior knowledge of structural dynamics is assumed and the manner of presentation is sufficiently detailed and integrated, to make the book suitable for self-study by students and professional engineers.

Features

- Section on application of the inelastic design spectrum to structural design – For allowable ductility, seismic evaluation of existing structures, and displacement-based structural design.
- Examples on dynamics of bridges and their earthquake response.
- Incorporation of three building codes and inclusion of the Eurocode.
- Theory of dynamic response of structures – Presented in a manner that emphasizes physical insight into the analytical procedures.
- Analytical procedures – Illustrated by over 100 worked out examples.

2007 912pp Hbk
0-13-156174-X / 978-0-13-156174-8
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Reinforced Concrete

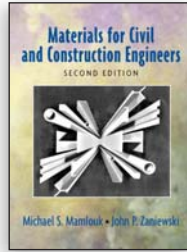
International Edition
Sixth Edition
EDWARD G. NAWY

For one-semester, junior/senior-level and graduate courses in Reinforced Concrete in the department of civil engineering. Now reflecting the new 2008 ACI 318-08 Code and the new International Building Code (IBC-2006), the Sixth Edition of this cutting-edge text has been extensively revised to present state-of-the-art developments in reinforced concrete. It analyzes the design of reinforced concrete members through a unique and practical step-by-step trial and adjustment procedure. The narrative is supplemented with flowcharts to guide students logically through the learning process. Ample photographs of instructional testing of concrete members decreases the need for actual laboratory testing.

Features

- This is the only text to integrate a large number of flowcharts in almost every chapter.
- Hundreds of photos of tests to failure of concrete elements make this book unique.
- Comprehensive sketches, steps for working drawings, and chapter-end problems also reduce the necessity for actual laboratory testing of structural concrete members.
- Interaction Diagram Charts for Columns in the Appendix.

2009 936pp Pbk
0-13-502932-5 / 978-0-13-502932-9
Prentice Hall



Materials for Civil and Construction Engineers

Second Edition
MICHAEL S. MAMLOUK
JOHN P. ZANIEWSKI

For courses in Civil Engineering Materials, Construction Materials, and Construction Methods and Materials offered in Civil, Environmental, or Construction engineering departments.

This introduction gives engineering students a basic understanding of the material selection process and the behavior of materials – a fundamental requirement for all civil and construction engineers performing design, construction, and maintenance.

Features

- Three-part organization:
 - The first section introduces the basic mechanistic properties of materials, environmental influences, basic material classes, and the atomic structure of materials.
 - The second section, which represents a large portion of the book, presents the characteristics of the primary material types used in civil and construction engineering: steel, aluminum, aggregate, concrete, masonry, asphalt, and wood.
 - The third part of the book is a lab manual that includes typical experiments performed by students at this level.

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0-13-147714-5 / 978-0-13-147714-8
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**new
EDITION**

Soils and Foundations

International Edition
Seventh Edition
CHENG LIU
JACK EVETT

For courses in soils and foundations, geotechnical engineering, soil mechanics, and foundation engineering.

Aimed at the beginning student, *Soils and Foundations, Seventh Edition* presents the salient and essential aspects of soils and foundations in a simple and straightforward manner. Offering an easy reading format, it is filled with examples that include step-by-step solutions. Now in its seventh edition, it includes new material on soil consistency, overconsolidated clay, degree of consolidation, vibroflotation and the settlement of sand.

Features

- Discussion of the case for overconsolidated clay in the calculation of settlement of clay—due to primary consolidation.
- Added to the section on settlement of sand, the strain influence method of Schmertmann.
- A section on soil consistency and Atterberg limits has been added.
- A section on vibroflotation has been added.
- Sample problems worked out in step-by-step detail—appear throughout.

2008 528pp Pbk
0-13-501520-0 / 978-0-13-501520-9
Pearson Education



**new
EDITION**

Construction Project Management

Third Edition
FRED GOULD
NANCY JOYCE

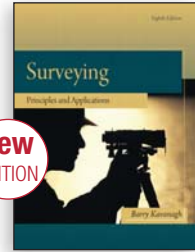
For undergraduate/graduate courses in Construction Management, and survey courses in Civil Engineering and Architecture.

Construction Project Management, Third Edition provides students with the 'big picture' of the construction management process, giving a perspective as to how the construction industry functions in relation to the national economy and in the public's eye. Examining in detail the estimating, scheduling, control and administrative functions of a project and how they tie into the project 'timeline,' the text focuses on the collaborative effort required to complete any public or private project, and examines the roles and responsibilities of all project participants.

Features

- Comprehensive and current topic areas – Construction law, project safety, leadership and management are covered in detail.
- Three-part organization – Examines first the industry and the profession; then focuses on the project itself; and finally explores the tools needed to manage the people and the project.

2009 484pp Hbk
0-13-199623-1 / 978-0-13-199623-6
Prentice Hall



**new
EDITION**

Surveying

Principles and Applications
Eighth Edition
BARRY F. KAVANAGH

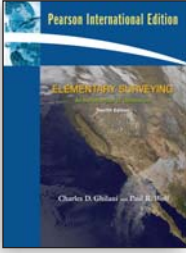
For freshmen- through junior-level courses in Civil Engineering, Civil Engineering Technology, Survey Engineering, Resources Engineering and Technology.

Surveying: Principles and Applications, Eighth Edition presents a clear discussion of the latest advances in technological instrumentation, surveying principles, and applications for mapping and engineering surveys. It has a good selection of problems that illuminate and reinforce concepts, as well as providing up-to-date information on the latest technological innovations.

Features

- Clear connections from theory to the applied world of surveying based on the author's extensive field experience.
- English and Metric units are listed in all examples and problems.
- Extensive coverage of key topics—for example, angles/directions/theodolites, total stations & EDM, construction surveys, GIS, photogrammetry/remote sensing and horizontal/vertical curves. Provides students with a more user-friendly treatment of important topics than found in other texts.

2009 768pp Hbk
0-13-236512-X / 978-0-13-236512-3
Prentice Hall



Elementary Surveying

An Introduction to
Geomatics

Twelfth Edition

PAUL R WOLF
CHUCK GHILANI

For Surveying courses offered in
Civil Engineering departments.

This highly readable, best-selling text presents basic concepts and practical material in each of the areas fundamental to modern surveying (geomatics) practice. Its depth and breadth are ideal for self-study. The 12th Edition is updated throughout to reflect the latest advances and technology.

Features

- Emphasis on the theory of errors in surveying work – At the end of each chapter, common errors and mistakes related to the topic covered are listed to remind students to exercise caution in their work.
- More than 400 figures and illustrations to help clarify discussions.
- Numerous worked example problems to illustrate computational procedures.
- Over 1000 end-of-chapter problems
- Updated versions of Stats, Wolfpack, and Matrix are included on the accompanying CD.

2008, 960pp Pbk
0-13-208307-8 / 978-0-13-208307-2
Prentice Hall



new
EDITION

Technical Drawing

Thirteenth Edition
FREDERICK E GIESECKE
ALVA MITCHELL
HENRY C. SPENCER
IVAN L. HILL
JOHN T. DYGDON
JAMES E.N NOVAK

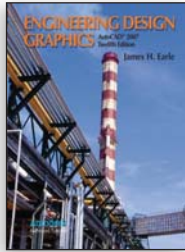
For courses in Engineering Graphics/Technical Drawing and Drafting/Technical Sketching.

This authoritative text provides a clear and comprehensive introduction to *Technical Drawing* and provides instruction to help students create 2D drawings by hand or by using Computer-Aided Drafting. It provides excellent technical detail, up-to-date standards, real-world examples and clearly explained theory and techniques

Features

- Splash spread-chapter openers that provides context for the chapter features
- References and web links- references to standards and links to web sites are at the beginning of each chapter
- CAD at work - provides tips to using both the 2D and 3D CAD model to generate drawings
- Portfolio Section- Offers examples of finished drawings showing real world applications of topics presented

2009 1056pp Hbk
0-13-513527-3 / 978-0-13-513527-3
Prentice Hall



Engineering Design Graphics with AutoCAD 2007

Twelfth Edition
JAMES H. EARLE

For courses in Engineering Graphics and Technical Drawing.

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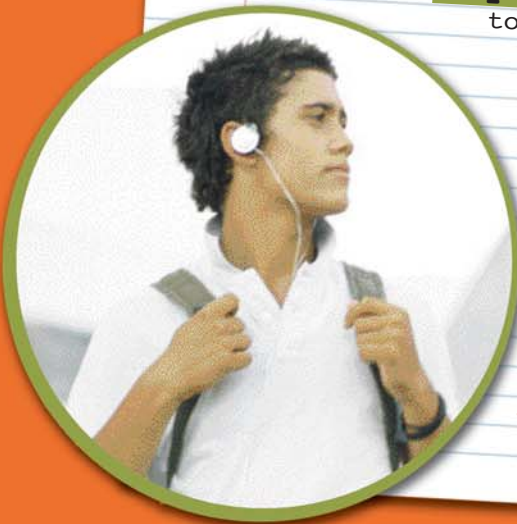
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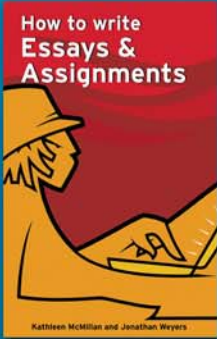
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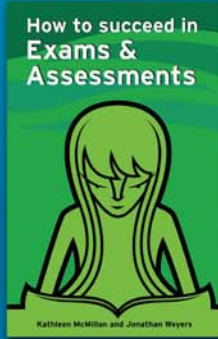
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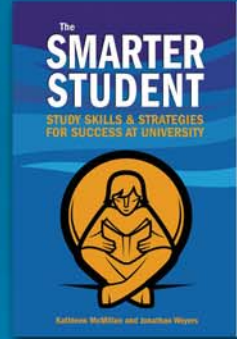
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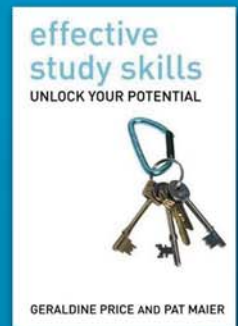
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