

Electronic Communication Robert Shrader 9780070571570

Great for engineers who want to learn programming. Hands-on approach to program design techniques that will carry over to an object-oriented environment. Each topic explained and illustrated with practice exercises and lists of command errors. Offers many excellent engineering applications.

This text covers the required Introduction to Computer Science course for computer science majors and the Advanced Placement Computer Science examination. The outline presents the introductory concepts of computer science with emphasis on algorithm development and data abstraction.

Focused on the field of knowledge lying between digital and analog circuit theory, this new text will help engineers working with digital systems shorten their product development cycles and help fix their latest design problems. The scope of the material covered includes signal reflection, crosstalk, and noise problems which occur in high speed digital machines (above 10 megahertz). This volume will be of practical use to digital logic designers, staff and senior communications scientists, and all those interested in digital design.

Introduction to Programming with Java

Introduction to Computer Science

Technology and Impacts

Analysis and Design

With Examples in C, C++ and Java

Java Programming: A Comprehensive Introduction is designed for an introductory programming course using Java. This text takes a logical approach to the presentation of core topics, moving step-by-step from the basics to more advanced material, with objects being introduced at the appropriate time. The book is divided into three parts: Part One covers the elements of the Java language and the fundamentals of programming. An introduction to object-oriented design is also included. Part Two introduces GUI (Graphical User Interface) programming using Swing. Part Three explores key aspects of Java's API (Application Programming Interface) library, including the Collections Framework and the concurrency API. Herb Schildt has written many successful programming books in Java, C++, C, and C#. His books have sold more than three million copies. Dale Skrien is a professor at Colby College with degrees from the University of Illinois-Champaign, the University of Washington, and St. Olaf College. He's also authored two books and is very active in SIGCSE.

Offering a hands-on approach, this text offers a fresh and easily accessible way to learning programming concepts using Visual C# for 2008. The authors incorporate basic concepts of programming, problem solving, and programming logic to teach a mastery of Visual C# at an introductory level.

The primary strength of Object-Oriented Design Using Java is that it has one of the best presentations of problem solving using patterns available. It has received rave reviews from instructors and has been class tested at a number of schools where the response from both professors and students has been extremely positive. This book is intended for the object-oriented programming design course where UML is used extensively for design and notation. It has been especially designed to be accessible to students and is full of real-world examples, case studies, and other aids to assist student understanding.

Principles and Paradigms

Data structures and the Java collections framework

VLSI DIGITAL SIGNAL PROCESSING SYSTEMS: DESIGN AND IMPLEMENTATION

An Introduction to Object-Oriented Programming with Java 1. 5 Update with OLC Bi-Card

Object-Oriented Design Using Java

An Introduction to Object-Oriented Programming with Java provides an accessible and technically thorough introduction to the basics of programming using java. The text takes a truly object-oriented approach. Objects are used early so that students think in objects right from the beginning.

In some places, the order of presentation has been changed to fine-tune the book's effectiveness as a senior and graduate-level teaching text. Fabrication principles covered include those for such circuits as CMOS, BIPOLAR, BICMOS, FET, and more.

Designed for use in a data communications course for business majors. This book blends a technical presentation of networking concepts with many business applications. Each chapter is mapped out with chapter objectives and an overview at the beginning. It uses Business Emphasis boxes to pull out important business applications.

Java in Two Semesters

Antenna Theory

Applied C: An Introduction and More

An Introduction to Computer Science

Microsoft Outlook 2010

For over 20 years, this has been the best-selling guide to software engineering for students and industry professionals alike. This seventh edition features a new part four on web engineering, which presents a complete engineering approach for the analysis, design and testing of web applications.

This easy-to-follow textbook teaches Java programming from first principles, as well as covering design and testing methodologies. The text is divided into two parts. Each part supports a one-semester module, the first part addressing fundamental programming concepts, and the second part building on this foundation, teaching the skills required to develop more advanced applications. This fully updated and greatly enhanced fourth edition covers the key developments introduced in Java 8, including material on JavaFX, lambda expressions and the Stream API. Topics and features: begins by introducing fundamental programming concepts such as declaration of variables, control structures, methods and arrays; goes on to cover the fundamental object-oriented concepts of classes and objects, inheritance and polymorphism; uses JavaFX throughout for constructing event-driven graphical interfaces; includes advanced topics such as interfaces and lambda expressions, generics, collection classes and exceptions; explains file-handling techniques, packages, multi-threaded programs, socket programming, remote database access and processing collections using streams; includes self-test questions and programming exercises at the end of each chapter, as well as two illuminating case studies; provides additional resources at its associated website (simply go to springer.com and search for "Java in Two Semesters"), including a guide on how to install and use the NetBeans™ Java IDE. Offering a gentle introduction to the field, assuming no prior knowledge of the subject, Java in Two Semesters is the ideal companion to undergraduate modules in software development or programming.

This introductory text provides coverage of both static and dynamic fields. There are references to computer visualisation (Mathcad) and computation throughout the text, and there are Mathcad electronic books available free on the Internet to help students visualise electromagnetic fields. Important equations are highlighted in the text, and there are examples and problems throughout, with answers to the problems at the back of the book.

An Interpretive Approach

Software Engineering: A Practitioner's Approach

Basic Mathematics for Electronics

An Author, Title, and Illustrator Index to Books for Children and Young Adults

An Introduction to Programming with Java and OLC

Market Desc: · Students in graduate level courses · Electrical Engineers · Computer Scientists · Computer Architecture Designers · Circuit Designers · Algorithm Designers · System Designers · Computer Programmers in the Multimedia and Wireless Communications Industries · VLSI System Designers Special Features: This example-packed resource provides invaluable professional training for a rapidly-expanding industry. · Presents a variety of approaches to analysis, estimation, and reduction of power consumption in order to help designers extend battery life. · Includes application-driven problems at the end of each chapter · Features six appendices covering shortest path algorithms used in routing, scheduling, and allocation techniques, as well as determining the iteration bound · The Author is a recognized expert in the field, having written several books, taught several graduate-level classes, and served on several IEEE boards About The Book: This book complements the other Digital Signaling Processing books in our list, which include an introductory treatment (Marven), a comprehensive handbook (Mittra), a professional reference (Kalogousidis), and others which pertain to a specific topic such as noise control. This graduate level textbook will fill an important niche in a rapidly expanding market.

Electronic communications technology and services permeate every aspect of national life. This book examines the current and expected states of the technology and considers the societal impact and policy issues arising from new technological developments. Particular attention is paid to evaluation of computerized conferencing for enhanced communication among researchers in specialized and interdisciplinary fields and to technology assessments of criminal justice and tax administration systems.

CD-ROM contains: Source code -- Java Development Kit (jdk) -- BlueJ 1.1.4 for Windows and Macintosh OSX.

Children's Books in Print, 2007

Electronic Communication

Programming the Web Using XHTML and JavaScript

Using Java

Advanced Programming In Visual Basic.Net: With Student Cd

Radio electronics.

The discipline of antenna theory has experienced vast technological changes. In response, Constantine Balanis has updated his classic text, Antenna Theory, offering the most recent look at all the necessary topics. New material includes smart antennas and fractal antennas, along with the latest applications in wireless communications. Multimedia material on an accompanying CD presents PowerPoint viewgraphs of lecture notes, interactive review questions, Java animations and applets, and MATLAB features. Like the previous editions, Antenna Theory, Third Edition meets the needs of electrical engineering and physics students at the senior undergraduate and beginning graduate levels, and those of practicing engineers as well. It is a benchmark text for mastering the latest theory in the subject, and for better understanding the technological applications. An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

Randy Nordell Making Outlook 2010 Work for You " A Comprehensive Look at Outlook " With Microsoft Office 2010, Outlook has added valuable new features and has significant enhancements, including the addition of the ribbon format. This textbook, Making Outlook 2010 Work for You by Randy Nordell, provides a comprehensive solution for learning Outlook 2010. While starting with a foundation of E-mail, Calendar, Contacts, and Tasks in the first six chapters, the later half delves deeper into these essential topics to cover the advanced features available in Outlook. Making Outlook 2010 Work for You provides students and instructors with a blended approach of a step-by-step tutorial textbook and a reference text, thus allowing for continued learning both within the course and beyond! This textbook also correlates with SimNet Online, our online training and assessment program for Microsoft Office 2010.

Java Programming: From The Ground Up

Business Driven Information Systems

A Comprehensive Introduction to Object-oriented Programming with Java

Fabrication Engineering at the Micro and Nanoscale

CPS an Introduction to Computer Science Using C

Learn the essentials of computer science Schaum ' s Outline of Principles of Computer Science provides a concise overview of the theoretical foundation of computer science. It also includes focused review of object-oriented programming using Java.

A manual on programming using Visual Basic.NET. It incorporates basic concepts of programming, problem solving and programming logic. This second edition has been completely revised, including the text, Web site and instructor's materials, and features enhanced marginal tips.

Basic Mathematics for Electronics combines electronictheory and applications with the mathematical principles necessary to solve a wide range of circuit problems. Coverage of mathematical topics reflects current trends in electronics. A complete chapter is devoted to Karnaugh mapping to help students cope with the greater complexity of modern digital circuit devices. Marginal notes indicate areas of special interest in computers and computer usage.To facilitate learning, material is presented in a block form that employs a two-color, single-column format. After the initial chapters, sections may be studied independently. As each new topic is introduced, illustrative examples and numerous problems, graded from easy to difficult, are given for reinforcement. Answers to odd-numbered problems are provided in the back of the book. The Answers to Even-Numbered Problems booklet contains answers and selected worked-out solutions. A computerized Test Bank and Transparency Masters are also available with this edition.

Business Data Communications

Using Information Technology

Schaum's Outline of Principles of Computer Science

High-speed Digital Design

C Programming for Engineering and Computer Science

This book teaches the reader how to write programs using Java. It does so with a unique approach that combines fundamentals first with objects early. The book transitions smoothly through a carefully selected set of procedural programming fundamentals to object-oriented fundamentals. During this early transition and beyond, the book emphasizes problem solving. For example, Chapter 2 is devoted to algorithm development, Chapter 8 is devoted to program design, and problem-solving sections appear throughout the book. Problem-solving skills are fostered with the help of an interactive, iterative presentation style: Here's the problem. How can we solve it? How can we improve the solution? Some key features include: -A conversational, easy-to-follow writing style. -Many executable code examples that clearly and efficiently illustrate key concepts. -Extensive use of UML class diagrams to specify problem organization. -Simple GUI programming early, in an optional standalone graphics track. -Well-identified alternatives for altering the book's sequence to fit individual needs. -Well-developed projects in six different academic disciplines, with a handy summary. -Detailed customizable PowerPoint™ lecture slides, with icon-keyed hidden notes. Student Resources: Links to compiler software - for Sun's Java2 SDK toolkit, Helios's TextPad, Eclipse, NetBeans, and BlueJ. TextPad tutorial. Eclipse tutorials. Textbook errata. All textbook example programs and associated resource files. Instructor Resources: Customizable PowerPoint lecture slides with hidden notes. Hidden notes provide comments that supplement the displayed text in the lecture slides. For example, if the displayed text asks a question the hidden notes provide the answer. Exercise solutions. Project solutions. Supplemental Chapters to Accommodate an Objects-Late Approach are available. Click this link to reach the supplemental chapters. ""The authors have done a superb job of organizing the various chapters to allow the students to enjoy programming in Java from day one. I am deeply impressed with the entire textbook. I would have my students keep this text and use it throughout their academic career as an excellent Java programming source book." - Benjamin B. Nystuen, University of Colorado at Colorado Springs""The authors have done a great job in describing the technical aspects of programming. The authors have an immensely readable writing style. I have an extremely favorable impression of Dean and Dean's proposed text." - Shyamal Mitra, University of Texas at Austin""The overall impression of the book was that it was "friendly" to read. I think this is a great strength, simply because students reading it, and especially students who are prone to reading to understand, will appreciate this approach rather than the regular hardcore programming mentality." - Andree Jacobson, University of New Mexico

Designed for advanced undergraduate or first-year graduate courses in semiconductor or microelectronic fabrication, the third edition of Fabrication Engineering at the Micro and Nanoscale provides a thorough and accessible introduction to all fields of micro and nano fabrication.

Java Programming, From The Ground Up, with its flexible organization, teaches Java in a way that is refreshing, fun, interesting and still has all the appropriate programming pieces for students to learn. The motivation behind this writing is to bring a logical, readable, entertaining approach to keep your students involved. Each chapter has a Bigger Picture section at the end of the chapter to provide a variety of interesting related topics in computer science. The writing style is conversational and not overly technical so it addresses programming concepts appropriately. Because of the flexible organization of the text, it can be used for a one or two semester introductory Java programming class, as well as using Java as a second language. The text contains a large variety of carefully designed exercises that are more effective than the competition.

Featuring JavaFX

Programming Languages

Multimedia Technologies

Fundamentals of Digital and Computer Design with VHDL

Introduction to Electromagnetic Fields

Compatible with introductory Web-authoring courses offered in many colleges and technical schools, this guide requires no previous knowledge of the topic or HTML. It begins by explaining HTML and gently guides the reader into a sound understanding of the basics of Web programming.

This book focuses on systematic software design approach in C for applications in engineering and science following the latest standard developed by the ANSI C/ISO C Standard Committees called C99.

An Introduction to Object-Oriented Programming with Java provides an accessible and thorough introduction to the basics of programming in java. This much-anticipated revision continues its emphasis on object-oriented programming. Objects are used early so students begin thinking in an object-oriented way, then later Wu teaches students to define their own classes. In the third edition, the author has eliminated the author-written classes, so students get accustomed to using the standard java libraries. In the new update, the author has included the Scanner Class for input, a new feature of Java 1.5. Also new is the use of smaller complete code examples to enhance student learning. The larger sample development programs are continued in this edition, giving students an opportunity to walk incrementally walk through program design, learning the fundamentals of software engineering. The number and variety of examples makes this a student-friendly text that teaches by showing. Object diagrams continue to be an important element of Wu's approach. The consistent, visual approach assists students in understanding concepts.

Objects Have Class!

Java Programming: A Comprehensive Introduction

C for Engineers and Scientists

Programming in Visual C# 2008

A Handbook of Black Magic

Tucker and Noonan's new approach emphasizes a thorough, hands-on treatment of key issues in programming language design, providing a balanced mix of explanation and experimentation. Opening chapters present the fundamental principals of programming languages, while optional companion chapters provide implementation-based, hands-on experience that delves even deeper. This edition also includes a greatly expanded treatment of the four major programming paradigms, incorporating a number of the most current languages such as Perl and Python. Special topics presented include event-handling, concurrency, and an all-new chapter on correctness. Overall, this edition provides both broad and deep coverage of language design principles and the major paradigms, allowing users the flexibility of choosing what topics to emphasize.

VLSI Fabrication Principles

Silicon and Gallium Arsenide

Java 5.0 Program Design