

## Computer Concepts 2013 Chapter Summaries

Soft Computing  
Networking: A Beginner's Guide, Sixth Edition  
New Perspectives on Computer Concepts 2014: Brief  
Computer Concepts  
The Basics of Cloud Computing  
Go! All in One  
Mobile Computing  
Microsoft Office 2013/365 and Beyond  
Robotics: Concepts, Methodologies, Tools, and Applications  
Enhanced Discovering Computers ©2017  
CompTIA Cloud+ Certification Study Guide (Exam CV0-001)  
The O'Leary Series: Microsoft Office 2013  
Computer Analysis of Human Behavior  
Complete Computer Concepts and Programming in Microsoft BASIC  
Principles of Computer Security, Fourth Edition  
Advances in Membership Categorisation Analysis  
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The Design of Everyday Things  
Microsoft SharePoint 2013 Inside Out  
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Mathematical Excursions, Enhanced Edition  
Structure and Interpretation of Computer Programs - 2nd Edition  
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Operating System Concepts Essentials, 2nd Edition  
Computational Modeling of Narrative  
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A Framework for K-12 Science Education  
Concepts of Biology  
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Discovering Computers & Microsoft Office 2013: A Fundamental Combined Approach  
Building and Managing a Cloud Using Oracle Enterprise Manager 12c  
Kinn's The Medical Assistant - E-Book  
Assistive Technologies: Concepts, Methodologies, Tools, and Applications  
COMPUTER CONCEPTS AND MANAGEMENT INFORMATION SYSTEMS  
Image Processing: Concepts, Methodologies, Tools, and Applications  
Knee Surgery using Computer Assisted Surgery and Robotics  
Green Computing  
Optimization for Computer Vision

### Soft Computing

Soft computing is a branch of computer science that deals with a family of methods that imitate human intelligence. This is done with the goal of creating tools that will contain some human-like capabilities (such as learning, reasoning and decision-making). This book covers the entire gamut of soft computing, including fuzzy logic, rough sets, artificial neural networks, and various evolutionary algorithms. It offers a learner-centric approach where each new concept is introduced with carefully designed examples/instances to train the learner.

### Networking: A Beginner's Guide, Sixth Edition

"This book explores some of the most recent developments in robotic motion, artificial intelligence, and human-machine interaction, providing insight into a wide variety of applications and functional areas"--Provided by publisher.

## **New Perspectives on Computer Concepts 2014: Brief**

Individuals with disabilities often have difficulty accomplishing tasks, living independently, and utilizing information technologies; simple aspects of daily life taken for granted by non-disabled individuals. Assistive Technologies: Concepts, Methodologies, Tools, and Applications presents a comprehensive collection of research, developments, and knowledge on technologies that enable disabled individuals to function effectively and accomplish otherwise impossible tasks. These volumes serve as a crucial reference source for experts in fields as diverse as healthcare, information science, education, engineering, and human-computer interaction, with applications bridging multiple disciplines.

## **Computer Concepts**

Go beyond computing basics with the award-winning NEW PERSPECTIVES ON COMPUTER CONCEPTS. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical and practical information relevant to everyday life. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014 incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

## **The Basics of Cloud Computing**

The field of narrative (or story) understanding and generation is one of the oldest in natural language processing (NLP) and artificial intelligence (AI), which is hardly surprising, since storytelling is such a fundamental and familiar intellectual and social activity. In recent years, the demands of interactive entertainment and interest in the creation of engaging narratives with life-like characters have provided a fresh impetus to this field. This book provides an overview of the principal problems, approaches, and challenges faced today in modeling the narrative structure of stories. The book introduces classical narratological concepts from literary theory and their mapping to computational approaches. It demonstrates how research in AI and NLP has modeled character goals, causality, and time using formalisms from planning, case-based reasoning, and temporal reasoning, and discusses fundamental limitations in such approaches. It proposes new representations for embedded narratives and fictional entities, for assessing the pace of a narrative, and offers an empirical theory of audience response. These notions are incorporated into an annotation scheme called NarrativeML. The book identifies key issues that need to be addressed, including annotation methods for long literary narratives, the

representation of modality and habituality, and characterizing the goals of narrators. It also suggests a future characterized by advanced text mining of narrative structure from large-scale corpora and the development of a variety of useful authoring aids. This is the first book to provide a systematic foundation that integrates together narratology, AI, and computational linguistics. It can serve as a narratology primer for computer scientists and an elucidation of computational narratology for literary theorists. It is written in a highly accessible manner and is intended for use by a broad scientific audience that includes linguists (computational and formal semanticists), AI researchers, cognitive scientists, computer scientists, game developers, and narrative theorists.

### **Go! All in One**

Readers learn to maximize the use of mobile devices, make the most of online tools for collaboration and communications, and fully utilize today's Internet capabilities with the latest edition of DISCOVERING COMPUTERS ENHANCED. Learners see how technology skills assist in gaining employment and advancing careers. This edition highlights Web Development, creating a strong web presence, and the latest Windows 10 information. The authors emphasize actionable content with a proven learning structure and practice to reinforce key skills. Self-assessments open each chapter, enabling readers to target study and learn more in less time. DISCOVERING COMPUTERS ENHANCED presents the content needed to succeed in a way that ensures understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### **Mobile Computing**

Prepare for a successful career in medical assisting! Kinn's The Medical Assistant, 12th Edition helps you learn the real-world administrative and clinical skills essential to working in the health care setting. Administrative coverage ranges from professionalism and interpersonal skills to billing and coding and electronic health records; clinical content teaches how to assist with medications, diagnostic procedures, and surgeries. And no other comprehensive medical assisting text can match its coverage of assisting with medical specialties! Written by medical assisting experts Alexandra Adams and Deborah Proctor, this classic resource also includes an Evolve companion website with practical exercises and activities, videos, and review questions for the CMA and RMA certification exams. More chapters on assisting with medical specialties than any other Medical Assisting text prepare you to assist in specialty exams and make you better qualified to work in specialty fields like cardiology, dermatology, ophthalmology, gynecology, and neurology. Step-by-step, illustrated procedures make it easier to learn and understand medical assisting skills, and include rationales for each step. Threaded case scenarios help you develop critical thinking skills and apply concepts to realistic administrative and clinical situations. Patient education and legal and ethical issues are described in relation to the Medical Assistant's job. A Portfolio Builder on

the Evolve website helps you demonstrate proficiency to potential employers. Detailed learning objectives and vocabulary with definitions in each chapter help you study more effectively, with connections icons linking concepts in the text to exercises in the study guide and on the Evolve companion website. Study Guide includes a variety of exercises to test your knowledge and critical thinking skills, case scenarios from the book, and a Procedure Checklists Manual. Sold separately. NEW! Charting examples within the procedures are highlighted for easier learning. UPDATED coverage of the Electronic Health Record ensures that you are familiar with the technology you'll use on the job. UPDATED content on alternative therapies and treatment includes the latest herbal remedies such as red rice yeast for lowering cholesterol, St. John's Wort for depression, and probiotic bacteria for GI maladies.

### **Microsoft Office 2013/365 and Beyond**

"This book explores the latest empirical research and best real-world practices for preventing, weathering, and recovering from disasters such as earthquakes or tsunamis to nuclear disasters and cyber terrorism"--Provided by publisher.

### **Robotics: Concepts, Methodologies, Tools, and Applications**

Microsoft Office 2013/365 and Beyond is divided into five sections with 16 chapters that progressively introduce you to computer concepts from the moment you hit the power button all the way through to using a variety of productivity software applications available in Microsoft Office 2013 and Microsoft Office for Mac 2011. The focus of this text is to provide readers with the skills needed to discuss essential computer concepts, navigate and conduct basic tasks using an operating system, and develop files using basic productivity applications. The companion disc includes all of the files needed to complete the chapter exercises within the text. You will also find video tutorials, a repository of high-resolution images from the chapters, and samples of completed projects for comparison. Features: \* Designed to address the Windows operating system and the 2013 Microsoft Office application suite \* Integrates the use of both MacOS and OpenOffice into the text to describe the respective concepts in Windows and Microsoft Office (MS Outlook, Word, PowerPoint & Excel) \* Includes a dynamic 4-color design with supplementary video tutorials to enhance the learning process \* Discusses common computer applications, including Adobe Reader (for reading PDF files) and Microsoft OneNote for Windows (for managing files). Additional productivity tools like OpenOffice.org are presented \* Includes a comprehensive DVD with sample tutorial videos, project files from the text, figures, Excel functions and formulas, and MS Office shortcuts \* Numerous instructor supplements and companion Web site available upon adoption

### **Enhanced Discovering Computers ©2017**

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.

### **CompTIA Cloud+ Certification Study Guide (Exam CV0-001)**

Explores cloud computing, breaking down the concepts, models, mechanisms, and architectures of this technology while allowing for the financial assessment of resources and how they compare to traditional storage systems.

### **The O'Leary Series: Microsoft Office 2013**

The rapid development of wireless digital communication technology has created capabilities that software systems are only beginning to exploit. The falling cost of both communication and of mobile computing devices (laptop computers, handheld computers, etc. ) is making wireless computing affordable not only to business users but also to consumers. Mobile computing is not a "scaled-down" version of the established and well-studied field of distributed computing. The nature of wireless communication media and the mobility of computers combine to create fundamentally new problems in networking, operating systems, and information systems. Furthermore, many of the applications envisioned for mobile computing place novel demands on software systems. Although mobile computing is still in its infancy, some basic concepts have been identified and several seminal experimental systems developed. This book includes a set of contributed papers that describe these concepts and systems. Other papers describe applications that are currently being deployed and tested. The first chapter offers an introduction to the field of mobile computing, a survey of technical issues, and a summary of the papers that comprise subsequent chapters. We have chosen to reprint several key papers that appeared previously in conference proceedings. Many of the papers in this book are being published here for the first time. Of these

new papers, some are expanded versions of papers first presented at the NSF-sponsored Mobidata Workshop on Mobile and Wireless Information Systems, held at Rutgers University on Oct 31 and Nov 1, 1994.

### **Computer Analysis of Human Behavior**

Current, essential IT networking skills--made easy! Thoroughly revised to cover the latest technologies, this practical resource provides you with a solid foundation in networking fundamentals. Networking: A Beginner's Guide, Sixth Edition discusses wired and wireless network design, configuration, hardware, protocols, security, backup, recovery, and virtualization. You'll also get step-by-step instructions for installing, configuring, and managing Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache. This is the perfect book for anyone starting a networking career or in need of an easy-to-follow refresher. Understand network cabling, topologies, hardware, and the OSI seven-layer model Connect LANs and WANs Configure network protocols, such as TCP/IP, IPX/SPX, SMTP, DHCP, HTTP, WINS, and more Explore directory services, such as Microsoft's Active Directory, X.400, and LDAP Enable and support remote network access Secure your network and handle backup and disaster recovery Select, install, and manage reliable network servers, including Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache Manage network workstation computers Design a robust network from the ground up Work with virtualization technologies, such as Hyper-V, VMWare, and Oracle VM VirtualBox

### **Complete Computer Concepts and Programming in Microsoft BASIC**

Intended primarily for courses in computer concepts and office applications, this text also provides practical content to current and aspiring industry professionals. This book teaches computer concepts and applications together. It engages readers rightaway by using a jobs-focused approach that integrates computer concepts and applications into practical combinations of concepts and skills in the context of a job. With this approach, readers learn how to work in the real world where they will solve problems using computer concepts and skills related to the Internet, Microsoft Office 2013 applications, collaboration, social media, and cloud computing.

### **Principles of Computer Security, Fourth Edition**

As part of the Syngress Basics series, The Basics of Cloud Computing provides readers with an overview of the cloud and how to implement cloud computing in their organizations. Cloud computing continues to grow in popularity, and while many people hear the term and use it in conversation, many are confused by it or unaware of what it really means. This book helps readers understand what the cloud is and how to work with it, even if it isn't a part of their day-to-day responsibility.

Authors Derrick Rountree and Ileana Castrillo explains the concepts of cloud computing in practical terms, helping readers understand how to leverage cloud services and provide value to their businesses through moving information to the cloud. The book will be presented as an introduction to the cloud, and reference will be made in the introduction to other Syngress cloud titles for readers who want to delve more deeply into the topic. This book gives readers a conceptual understanding and a framework for moving forward with cloud computing, as opposed to competing and related titles, which seek to be comprehensive guides to the cloud. Provides a sound understanding of the cloud and how it works Describes both cloud deployment models and cloud services models, so you can make the best decisions for deployment Presents tips for selecting the best cloud services providers

### **Advances in Membership Categorisation Analysis**

This practical and authoritative text/reference presents a broad introduction to the optimization methods used specifically in computer vision. In order to facilitate understanding, the presentation of the methods is supplemented by simple flow charts, followed by pseudocode implementations that reveal deeper insights into their mode of operation. These discussions are further supported by examples taken from important applications in computer vision. Topics and features: provides a comprehensive overview of computer vision-related optimization; covers a range of techniques from classical iterative multidimensional optimization to cutting-edge topics of graph cuts and GPU-suited total variation-based optimization; describes in detail the optimization methods employed in computer vision applications; illuminates key concepts with clearly written and step-by-step explanations; presents detailed information on implementation, including pseudocode for most methods.

### **Information Governance**

Learn to build business solutions with SharePoint2013 Now in its third edition, this perennial bestseller features acomplete overhaul for the latest version of SharePoint. A must-havefor building business solutions in SharePoint, real-world scenariosaddress critical information management problems and detaileddescriptions explain how to efficiently and successfully handlethese challenges. Plus, best practices for configuration andcustomization round out the coverage of getting started withSharePoint 2013 so that you can confidently make this platform workfor your business today. Examines product functionality alongside realistic scenarios toprovide you with contextual relevance Addresses managing permissions, reporting in SharePoint, andworking with access services Offers updated content on working with lists, libraries,workflow, content types, and web parts Reviews social features, forms management, businessconnectivity services, and more Beginning SharePoint 2013 is an ideal introduction to thelatest iteration of this popular content management provider.

## **New Perspectives on Computer Concepts 2014: Comprehensive**

Master Cloud Computing with Oracle Enterprise Manager 12c Gain organizational agility, foster innovation, and lower TCO by adopting a service-oriented, cloud-based IT solution. Building and Managing a Cloud Using Oracle Enterprise Manager 12c thoroughly explains how to architect, configure, and manage components of a public or private cloud lifecycle. Discover how to choose the right architecture, deploy applications, govern self-service provisioning, monitor users, and implement security. This Oracle Press guide features best practices and case studies from the authors' experiences as Oracle product managers. Plan and deploy a flexible cloud infrastructure Configure Oracle Enterprise Manager 12c Self Service Portal Bundle applications using Oracle Virtual Assembly Builder Set up, manage, and monitor IaaS, PaaS, and DBaaS Meter usage and establish chargeback policies Work with large-scale clouds and enforce compliance Manage cloud service levels Diagnose and repair bottlenecks and faults

## **Crisis Management: Concepts, Methodologies, Tools, and Applications**

Science, engineering, and technology permeate nearly every facet of modern life and hold the key to solving many of humanity's most pressing current and future challenges. The United States' position in the global economy is declining, in part because U.S. workers lack fundamental knowledge in these fields. To address the critical issues of U.S. competitiveness and to better prepare the workforce, A Framework for K-12 Science Education proposes a new approach to K-12 science education that will capture students' interest and provide them with the necessary foundational knowledge in the field. A Framework for K-12 Science Education outlines a broad set of expectations for students in science and engineering in grades K-12. These expectations will inform the development of new standards for K-12 science education and, subsequently, revisions to curriculum, instruction, assessment, and professional development for educators. This book identifies three dimensions that convey the core ideas and practices around which science and engineering education in these grades should be built. These three dimensions are: crosscutting concepts that unify the study of science through their common application across science and engineering; scientific and engineering practices; and disciplinary core ideas in the physical sciences, life sciences, and earth and space sciences and for engineering, technology, and the applications of science. The overarching goal is for all high school graduates to have sufficient knowledge of science and engineering to engage in public discussions on science-related issues, be careful consumers of scientific and technical information, and enter the careers of their choice. A Framework for K-12 Science Education is the first step in a process that can inform state-level decisions and achieve a research-grounded basis for improving science instruction and learning across the country. The book will guide standards developers, teachers, curriculum designers, assessment developers, state and district science administrators, and educators who teach science in informal environments.

## **The Design of Everyday Things**

COMPUTER CONCEPTS: ILLUSTRATED BRIEF, 9E, International Edition is designed to help students learn and retain the most relevant and essential information about computers and technology in today's digital world! This edition has been revised to cover the latest important computing trends and skills, but maintains the pedagogical and streamlined design elements that instructors and students know and love about the Illustrated Series. New for this edition, make the most of COMPUTER CONCEPTS: ILLUSTRATED BRIEF, 9E, International Edition with the all-in-one CourseMate digital solution complete with a media-rich ebook, interactive quizzes and activities, and the Engagement Tracker for hassle-free, automatic grading!

## **Microsoft SharePoint 2013 Inside Out**

Design doesn't have to be complicated, which is why this guide to human-centered design shows that usability is just as important as aesthetics. Even the smartest among us can feel inept as we fail to figure out which light switch or oven burner to turn on, or whether to push, pull, or slide a door. The fault, argues this ingenious -- even liberating -- book, lies not in ourselves, but in product design that ignores the needs of users and the principles of cognitive psychology. The problems range from ambiguous and hidden controls to arbitrary relationships between controls and functions, coupled with a lack of feedback or other assistance and unreasonable demands on memorization. The Design of Everyday Things shows that good, usable design is possible. The rules are simple: make things visible, exploit natural relationships that couple function and control, and make intelligent use of constraints. The goal: guide the user effortlessly to the right action on the right control at the right time. The Design of Everyday Things is a powerful primer on how -- and why -- some products satisfy customers while others only frustrate them.

## **Enhanced Discovering Computers & Microsoft Office 2013: A Combined Fundamental Approach**

Timothy and Linda O'Leary Microsoft Office 2013: A Case Approach Making Office Relevant Timothy and Linda O'Leary and the Computer Information Technology Team at McGraw-Hill Higher Education offer your students a fully integrated learning program with time-tested quality and reliability. Office 2013: A Case Approach offers a running case study throughout the text to help students understand the material in a consistent, relevant environment. Through the theme "Making Office Relevant," this text helps students understand why they need this course and skills. Updated for Office 2013, student success is assured through clear step-by-step instruction, plentiful screen captures, and conceptual explanations. Each lab, designed to be covered in 1 hour of class time, combines conceptual coverage with detailed software-specific instructions. The labs open with a running case study that highlights real-world applications of each software program and leads students from problem to solution. The O'Leary Series helps students learn specific applications skills along with skills that

cross all Office applications, which is especially important in mastering this version of Office. The O'Leary Series correlates with SIMnet Online, McGraw-Hill's online training and assessment program for Microsoft Office skills and basic computer concepts. Projects, however, are 1:1 within the SIMgrader component and allow students to practice their skills live in the Office application to receive immediate feedback via autograding. This integration with SIMnet helps meet the diverse needs of students and accommodate individual learning styles. Additional textbook resources can be found on the text's Online Learning Center: [www.mhhe.com/olearyoffice2013](http://www.mhhe.com/olearyoffice2013). For more information on O'Leary; Microsoft Office 2013: A Case Approach and SIMnet Online for Office 2013, please visit [www.simnetkeepitsimple.com](http://www.simnetkeepitsimple.com) or contact your McGraw-Hill representative.

### **Mathematical Excursions, Enhanced Edition**

Combining computer concepts material from the best-selling Discovering Computers and step-by-step instruction on Office applications from Microsoft Office 2013, ENHANCED DISCOVERING COMPUTERS & MICROSOFT OFFICE 2013: A COMBINED FUNDAMENTAL APPROACH delivers the best of Shelly Cashman Series in one book for your Introduction to Computers course. For the past three decades, the Shelly Cashman Series has effectively introduced computer skills to millions of students. We're continuing our history of innovation by enhancing our proven pedagogy to engage you in more critical thought, personalization, and experimentation with Office 2013 software. In addition, computer concepts content has been fully updated and revised to reflect the evolving needs of Introductory Computing students, and focus solely on what you really need to know to be a successful digital citizen in college and beyond. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### **Structure and Interpretation of Computer Programs - 2nd Edition**

This book provides a broad survey of advanced pattern recognition techniques for human behavior analysis. Clearly structured, the book begins with concise coverage of the major concepts, before introducing the most frequently used techniques and algorithms in detail, and then discussing examples of real applications. Features: contains contributions from an international selection of experts in the field; presents a thorough introduction to the fundamental topics of human behavior analysis; investigates methods for activity recognition, including gait and posture analysis, hand gesture analysis, and semantics of human behavior in image sequences; provides an accessible psychological treatise on social signals for the analysis of social behaviors; discusses voice and speech analysis, combined audiovisual cues, and social interactions and group dynamics; examines applications in different research fields; each chapter concludes with review questions, a summary of the topics covered, and a glossary.

## **Beginning SharePoint 2013**

Go beyond computing basics with the award-winning NEW PERSPECTIVES ON COMPUTER CONCEPTS. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical and practical information relevant to everyday life. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014 incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

## **Operating System Concepts Essentials, 2nd Edition**

Explaining how going green can pay for itself, Green Computing: Tools and Techniques for Saving Energy, Money, and Resources ties the green agenda in IT to the broader corporate agenda in risk management, brand management, and reputation management. Written by a leading author in the IT field, this authoritative reference provides easy access to quotable budget justifications that readers can use to place IT stakeholders on the same page for this new agenda that can save valuable resources and the planet. Bringing together everything IT professionals need to know about green computing, the book embodies a new philosophy on how to deploy IT devices, software, and services in a way that makes people more effective with fewer resources. It presents helpful tips on how to maximize energy savings as well as how to present information gradually to allow peers and stakeholders to absorb it. The book's comprehensive coverage includes various types of hardware and software, including the changes currently happening, underlying trends, products currently on the market, and what to expect—or, in some cases, what organizations should ask for—from suppliers in the future. On the hardware side, the book considers tablet computers—examining the iPad® and Android®-based tablets. On the software side, it examines the general trend toward cloud computing. It provides important examples of this rapidly emerging trend as well as guidance on how to use the cloud to make software available and to store large amounts of data. Demonstrating the savings and increased business resiliency that can result from green computing, this book offers C-suite executives, senior IT management, project managers, suppliers, and market analysts with the tools required to understand why you need to act, how to act, what to buy, when to do it, and who should act.

## **Computational Modeling of Narrative**

Advancements in digital technology continue to expand the image science field through the tools and techniques utilized to

process two-dimensional images and videos. Image Processing: Concepts, Methodologies, Tools, and Applications presents a collection of research on this multidisciplinary field and the operation of multi-dimensional signals with systems that range from simple digital circuits to computers. This reference source is essential for researchers, academics, and students in the computer science, computer vision, and electrical engineering fields.

### **Cloud Computing**

The best fully integrated study system available for the CompTIA Cloud+ Certification exam With hundreds of practice questions, CompTIA Cloud+ Certification Study Guide covers what you need to know—and shows you how to prepare—for this challenging exam. McGraw-Hill Professional is a Gold-Level CompTIA Authorized Partner offering Authorized CompTIA Approved Quality Content to give you the competitive edge on exam day. 100% complete coverage of all official objectives for exam CV0-001 Exam Watch notes call attention to information about, and potential pitfalls in, the exam Exam at Work notes provide real-world examples of cloud computing technologies in the workplace today Two-Minute Drills for quick review at the end of each chapter Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Cloud Computing Concepts, Models, and Terminology \* Disk Storage Systems \* Storage Networking \* Network Infrastructure \* Virtualization Components \* Virtualization and the Cloud \* Network Management \* Performance Tuning \* Systems Management \* Testing and Troubleshooting \* Security in the Cloud \* Business Continuity and Disaster Recovery Electronic content includes: Complete MasterExam practice testing engine, featuring: -One practice exam -Detailed answers with explanations -Score Report performance assessment tool Bonus downloadable MasterExam practice exam with free online registration

### **A Framework for K-12 Science Education**

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with SIMnet Online, McGraw-Hill's online training and assessment program for Microsoft Office skills and basic computer concepts. Projects, however, are 1:1 within the SIMgrader component and allow students to practice their skills live in the Office application to receive immediate feedback via autograding. This integration with SIMnet helps meet the diverse needs of students and accommodate individual learning styles. Additional textbook resources can be found on the text's Online Learning Center: [www.mhhe.com/olearyoffice2013](http://www.mhhe.com/olearyoffice2013). For more information on O'Leary; Microsoft Office 2013: A Case Approach and SIMnet Online for Office 2013, please visit [www.simnetkeepitsimple.com](http://www.simnetkeepitsimple.com) or contact your McGraw-Hill representative.

### **Concepts of Biology**

This is an exciting addition to the dynamic, multidisciplinary field of membership categorization analysis. Bringing together the biggest names in MCA this landmark publication provides a contemporary analysis of the field and a platform for emerging researchers and students to build upon. The book sets out the current methodological developments of MCA highlighting its analytic strength – particularly when examining social identity and social knowledge. It provides a sophisticated tool of qualitative analysis and draws from a wide range of empirical studies provided by global scholars. The culmination of years of international research this agenda-setting text will be essential reading for academics and advanced students using membership categorization across the social sciences; particularly in media and communication studies, sociology, psychology, education, political science and linguistics.

### **The O'Leary Series: Microsoft Office Excel 2013**

Written by leading information security educators, this fully revised, full-color computer security textbook covers CompTIA's fastest-growing credential, CompTIA Security+. Principles of Computer Security, Fourth Edition is a student-tested, introductory computer security textbook that provides comprehensive coverage of computer and network security fundamentals in an engaging and dynamic full-color design. In addition to teaching key computer security concepts, the textbook also fully prepares you for CompTIA Security+ exam SY0-401 with 100% coverage of all exam objectives. Each chapter begins with a list of topics to be covered and features sidebar exam and tech tips, a chapter summary, and an end-of-chapter assessment section that includes key term, multiple choice, and essay quizzes as well as lab projects. Electronic content includes CompTIA Security+ practice exam questions and a PDF copy of the book. Key features: CompTIA Approved Quality Content (CAQC) Electronic content features two simulated practice exams in the Total Tester exam engine and a PDF eBook Supplemented by Principles of Computer Security Lab Manual, Fourth Edition, available separately White and Conklin are two of the most well-respected computer security educators in higher education Instructor resource materials for adopting instructors include: Instructor Manual, PowerPoint slides featuring artwork from the book, and a test bank of

questions for use as quizzes or exams Answers to the end of chapter sections are not included in the book and are only available to adopting instructors Learn how to: Ensure operational, organizational, and physical security Use cryptography and public key infrastructures (PKIs) Secure remote access, wireless networks, and virtual private networks (VPNs) Authenticate users and lock down mobile devices Harden network devices, operating systems, and applications Prevent network attacks, such as denial of service, spoofing, hijacking, and password guessing Combat viruses, worms, Trojan horses, and rootkits Manage e-mail, instant messaging, and web security Explore secure software development requirements Implement disaster recovery and business continuity measures Handle computer forensics and incident response Understand legal, ethical, and privacy issues

### **Discovering Computers & Microsoft Office 2013: A Fundamental Combined Approach**

#### **Building and Managing a Cloud Using Oracle Enterprise Manager 12c**

Combining computer concepts material from the best-selling Discovering Computers and step-by-step instruction on Office applications from Microsoft Office 2013, DISCOVERING COMPUTERS & MICROSOFT OFFICE 2013: A FUNDAMENTAL COMBINED APPROACH delivers the best of Shelly Cashman Series in one book for your Introduction to Computers course. For the past three decades, the Shelly Cashman Series has effectively introduced computer skills to millions of students. We're continuing our history of innovation by enhancing our proven pedagogy to engage students in more critical thought, personalization, and experimentation with Office 2013 software. In addition, computer concepts content has been fully updated and revised to reflect the evolving needs of Introductory Computing students, and focus solely on what they really need to know to be successful digital citizens in college and beyond. With these enhancements and more, the Shelly Cashman Series continues to deliver the most effective educational materials for you and your students. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

#### **Kinn's The Medical Assistant - E-Book**

Conquer SharePoint 2013—from the inside out! You're beyond the basics, so dive right into SharePoint 2013—and really put your business collaboration platform to work! This supremely organized reference packs hundreds of timesaving solutions, troubleshooting techniques, and workarounds. It's all muscle and no fluff. Discover how the experts facilitate information sharing across the enterprise—and challenge yourself to new levels of mastery. Efficiently manage documents throughout the enterprise Build team sites and collaborate with Microsoft OneNote and SkyDrive Design workflows with SharePoint Designer and Microsoft Visio Produce e-forms using Microsoft InfoPath and Access Manage community sites using business

social features Connect SharePoint to external data and business systems Create business intelligence dashboards and key performance indicators Customize and control Sharepoint enterprise search

## **Assistive Technologies: Concepts, Methodologies, Tools, and Applications**

This book discusses the full range of current applications of computer-assisted surgery and robotics in the field of knee surgery, and also considers potential future applications. The impact of computer-assisted surgery on a wide range of surgical procedures is clearly explained. Procedures considered include total knee arthroplasty, unicompartmental knee arthroplasty, cruciate ligament reconstruction, patellofemoral arthroplasty, and revision surgery. In each case, technical aspects are thoroughly addressed in a readily understandable manner. Knee Surgery Using Computer-Assisted Surgery and Robotics will be an ideal guide to this exciting field for both novice and more experienced surgeons who treat knee injuries and disorders.

## **COMPUTER CONCEPTS AND MANAGEMENT INFORMATION SYSTEMS**

The book, in its second edition, precisely addresses the need of management students to acquaint with the basic concepts of computers, information technology and information system. The book provides readers with information pertaining to database concepts, networking essentials, web concepts and phases of system development life cycle. The business processes such as Enterprise Resource Planning, Customer Relationship Management and in e-Commerce are also introduced in the second edition. Thus the book can be regarded as one-stop compact teaching-reading resource for getting started with topics relevant to development of IT solutions. Key Features

- The text is lecture based, which makes the teaching of the subject easier.
- Comprehensive coverage of all important topics for clear understanding of the subject.
- Chapter-end review questions to help students test their own knowledge of the subject matter.
- Chapter-end summary for quick recapitulation of concepts before examination or moving to the next chapter.
- Tables, figures and illustrations enhance concept apprehension.

## **Image Processing: Concepts, Methodologies, Tools, and Applications**

Structure and Interpretation of Computer Programs by Harold Abelson and Gerald Jay Sussman is licensed under a Creative Commons Attribution-NonCommercial 3.0 License.

## **Knee Surgery using Computer Assisted Surgery and Robotics**

Proven and emerging strategies for addressing document and records management risk within the framework of information governance principles and best practices Information Governance (IG) is a rapidly emerging "super discipline" and is now being applied to electronic document and records management, email, social media, cloud computing, mobile computing, and, in fact, the management and output of information organization-wide. IG leverages information technologies to enforce policies, procedures and controls to manage information risk in compliance with legal and litigation demands, external regulatory requirements, and internal governance objectives. Information Governance: Concepts, Strategies, and Best Practices reveals how, and why, to utilize IG and leverage information technologies to control, monitor, and enforce information access and security policies. Written by one of the most recognized and published experts on information governance, including specialization in e-document security and electronic records management Provides big picture guidance on the imperative for information governance and best practice guidance on electronic document and records management Crucial advice and insights for compliance and risk managers, operations managers, corporate counsel, corporate records managers, legal administrators, information technology managers, archivists, knowledge managers, and information governance professionals IG sets the policies that control and manage the use of organizational information, including social media, mobile computing, cloud computing, email, instant messaging, and the use of e-documents and records. This extends to e-discovery planning and preparation. Information Governance: Concepts, Strategies, and Best Practices provides step-by-step guidance for developing information governance strategies and practices to manage risk in the use of electronic business documents and records.

### **Green Computing**

By staying current, remaining relevant, and adapting to emerging course needs, Operating System Concepts by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. Operating System Concepts Essentials comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

### **Optimization for Computer Vision**

MATHEMATICAL EXCURSIONS, Third Edition, teaches students that mathematics is a system of knowing and understanding our surroundings. For example, sending information across the Internet is better understood when one understands prime numbers; the perils of radioactive waste take on new meaning when one understands exponential functions; and the

efficiency of the flow of traffic through an intersection is more interesting after seeing the system of traffic lights represented in a mathematical form. Students will learn those facets of mathematics that strengthen their quantitative understanding and expand the way they know, perceive, and comprehend their world. We hope you enjoy the journey. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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