Jones Bartlett Learning Information Systems Security

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Cyber Threat! MacDonnell Ulsch 2014-07-14 Conquering cyber attacks requires a multi-sector, multi-modal approach Cyber Threat! How to Manage the Growing Risk of Cyber Attacks is an in-depth examination of the very real cyber security risks facing all facets of government and industry, and the various factors that must align to maintain information integrity. Written by one of the nation's most highly respected cyber risk analysts, the book describes how businesses and government agencies must protect their most valuable assets to avoid potentially catastrophic consequences. Much more than just cyber security, the necessary solutions require government and industry to work cooperatively and intelligently. This resource reveals the extent of the problem, and provides a plan to change course and better manage and protect critical information. Recent news surrounding cyber hacking operations show how intellectual property theft is now a matter of national security, as well as economic and commercial security. Consequences are far-reaching, and can have enormous effects on national economies and international relations. Aggressive cyber forces in China, Russia, Eastern Europe and elsewhere, the rise of global organized criminal networks, and inattention to vulnerabilities throughout critical infrastructures converge to represent an abundantly clear threat. Managing the threat and keeping information safe is now a top priority for global businesses and government agencies. Cyber Threat! breaks the issue down into real terms, and proposes an approach to effective defense. Topics include: The information at risk The true extent of the threat The potential consequences across sectors The multifaceted approach to defense The growing cyber threat is fundamentally changing the nation's economic, diplomatic, military, and intelligence operations, and will extend into future technological, scientific, and geopolitical influence. The only effective solution will be expansive and complex, encompassing every facet of government and industry. Cyber Threat! details the situation at hand, and provides the information that can help keep the nation safe.

Fundamentals of Communications and Networking Michael G. Solomon 2014-07-31 Today's networks are required to support an increasing array of real-time communication methods. Video chat, real-time messaging, and always-connected resources put demands on networks that were previously unimagined. The Second Edition of Fundamentals of Communications and Networking helps readers better understand today's networks and the way they support the evolving requirements of different types of organizations. It discusses the critical issues of designing a network that will meet an organization's performance needs and discusses how businesses use networks to solve business problems. Using numerous examples and exercises, this text incorporates hands-on activities to prepare readers to fully understand and design modern networks and their requirements. Key Features of the Second Edition: - Introduces network basics by describing how networks work - Discusses how networks support the increasing demands of advanced communications - Illustrates how to map the right technology to an organization's needs and business goals - Outlines how businesses use networks to solve business problems, both technically and operationally.

Fundamentals of Information Systems Security David Kim 2011-12 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! Fundamentals of Information System Security provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Part 2 is adapted from the Official (ISC)2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification. The book closes with a resource for readers who desire additional material on information security standards, education, professional certifications, and compliance laws. With its practical, conversational writing style and step-by-step examples, this text is a must-have resource for those entering the world of information systems security. Instructor Materials for Fundamentals of Information System Security include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts .

Access Control, Authentication, and Public Key Infrastructure Bill Ballad 2011-10-15 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! Access control protects resources against unauthorized viewing, tampering, or destruction. They serve as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized disclosure. The first part of Access Control, Authentication, and Public Key Infrastructure defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access contol programs. It then looks at the risks, threats, and vulnerabilities prevalent in information systems and IT infrastructures and how to handle them. The final part is a resource for students and professionals which disucsses putting access control systems to work as well as testing and

managing them.

Security Strategies in Windows Platforms and Applications Michael G. Solomon 2010-11-15 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! More than 90 percent of individuals, students, educators, businesses, organizations, and governments use Microsoft Windows, which has experienced frequent attacks against its well-publicized vulnerabilities. Written by an industry expert, Security Strategies in Windows Platforms and Applications focuses on new risks, threats, and vulnerabilities associated with the Microsoft Windows operating system. Particular emphasis is placed on Windows XP, Vista, and 7 on the desktop, and Windows Server 2003 and 2008 versions. It highlights how to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows operating systems and applications. The book also includes a resource for readers desiring more information on Microsoft Windows OS hardening, application security, and incident management. With its accessible writing style, and step-by-step examples, this must-have resource will ensure readers are educated on the latest Windows security strategies and techniques.

Security Strategies in Web Applications and Social Networking Mike Harwood 2010-10-25 Security Strategies in Web Applications and Social Networking provides a unique, in-depth look at how to secure mobile users as customer-facing information migrates from mainframe computers and application servers to Web-enabled applications. Written by an industry expert, this book provides a comprehensive explanation of the evolutionary changes that have occurred in computing, communications, and social networking and discusses how to secure systems against all the risks, threats, and vulnerabilities associated with Web-enabled applications accessible via the Internet. Using examples and exercises, this book incorporates hands-on activities to prepare readers to successfully secure Web-enabled applications. The Jones & Bartlett Learning: Information Systems Security & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current, forward-thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow.

Fundamentals of Information Systems Security + Cloud Labs David Kim 2021-11-29 Print Textbook & Cloud Lab Access: 180-day subscription. The cybersecurity Cloud Labs for Fundamentals of Information Systems Security provide fully immersive mock IT infrastructures with live virtual machines and real software, where students will learn and practice the foundational information security skills they will need to excel in their future careers. Unlike simulations, these hands-on virtual labs reproduce the complex challenges of the real world, without putting an institution's assets at risk. Available as a standalone lab solution or bundled with Jones & Bartlett Learning textbooks, these cybersecurity Cloud Labs are an essential tool for mastering key course

concepts through hands-on training. Labs: Coming Soon!

Security Strategies in Linux Platforms and Applications Michael Jang 2015-10-13 "The Second Edition of Security Strategies in Linux Platforms and Applications opens with a discussion of risks, threats, and vulnerabilities. Part 2 discusses how to take advantage of the layers of security and the modules associated with AppArmor and SELinux. Part 3 looks at the use of open source and proprietary tools when building a layered security strategy"--

Understanding Health Information Systems for the Health Professions Jean A Balgrosky 2019-03-22 Covering the principles of HIS planning, cost effectiveness, waste reduction, efficiency,population health management, patient engagement, and prevention, this text is designed for those who will be responsible for managing systems and information in health systems and provider organizations.

Fundamentals of Information Systems Security 2014

Fundamentals of Information Systems Security David Kim 2016-10-15 Revised and updated with the latest data in the field, Fundamentals of Information Systems Security, Third Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transition to a digital world. Part 2 presents a high level overview of the Security+ Exam and provides students with information as they move toward this certification.

Network Security, Firewalls and VPNs J. Michael Stewart 2013-07-15 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Fully revised and updated with the latest data from the field, Network Security, Firewalls, and VPNs, Second Edition provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization s network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Key Features: -Introduces the basics of network security exploring the details of firewall security and how VPNs operate -Illustrates how to plan proper network security to combat hackers and outside threats -Discusses firewall configuration and deployment and managing firewall security -Identifies how to secure local and internet communications with a VPN Instructor Materials for Network Security, Firewalls, VPNs include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a

comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well."

Legal Issues in Information Security Director of Dra Operations It Grc and Cybersecurity Programs Educause Joanna Lyn Grama 2014-06-01 Part of the Jones & Bartlett Learning Information Systems Security and Assurance Series Revised and updated to address the many changes in this evolving field, the Second Edition of Legal Issues in Information Security addresses the area where law and information security concerns intersect. Information systems security and legal compliance are now required to protect critical governmental and corporate infrastructure, intellectual property created by individuals and organizations alike, and information that individuals believe should be protected from unreasonable intrusion. Organizations must build numerous information security and privacy responses into their daily operations to protect the business itself, fully meet legal requirements, and to meet the expectations of employees and customers. Instructor Materials for Legal Issues in Information Security include: PowerPoint Lecture Slides Instructor's Guide Sample Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts New to the Second Edition: Includes discussions of amendments in several relevant federal and state laws and regulations since 2011 Reviews relevant court decisions that have come to light since the publication of the first edition Includes numerous information security data breaches highlighting new vulnerabilities"

Fundamentals of Information Systems Security David Kim 2013-07-15 PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Revised and updated with the latest information from this fast-paced field, Fundamentals of Information System Security, Second Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Part 2 is adapted from the Official (ISC)2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification. The book closes with a resource for readers who desire additional material on information security standards, education, professional certifications, and compliance laws. With its practical, conversational writing style and step-by-step examples, this text is a must-have resource for those entering the world of information systems security. New to the Second Edition: - New material on cloud computing, risk analysis, IP mobility, OMNIBus, and Agile Software Development. - Includes the most recent updates in Information Systems Security laws, certificates, standards, amendments, and the proposed

Federal Information Security Amendments Act of 2013 and HITECH Act. - Provides new cases and examples pulled from real-world scenarios. - Updated data, tables, and sidebars provide the most current information in the field.

Fundamentals of Information Systems Security Access Code

Legal Issues in Information Security Grama 2014-08-12 Part of the Jones & Bartlett Learning Information Systems Security and Assurance Series http://www.issaseries.com Revised and updated to address the many changes in this evolving field, the Second Edition of Legal Issues in Information Security (Textbook with Lab Manual) addresses the area where law and information security concerns intersect. Information systems security and legal compliance are now required to protect critical governmental and corporate infrastructure, intellectual property created by individuals and organizations alike, and information that individuals believe should be protected from unreasonable intrusion. Organizations must build numerous information security and privacy responses into their daily operations to protect the business itself, fully meet legal requirements, and to meet the expectations of employees and customers. Instructor Materials for Legal Issues in Information Security include: PowerPoint Lecture Slides Instructor's Guide Sample Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts New to the Second Edition: • Includes discussions of amendments in several relevant federal and state laws and regulations since 2011 • Reviews relevant court decisions that have come to light since the publication of the first edition • Includes numerous information security data breaches highlighting new vulnerabilities

Cyberwarfare: Information Operations in a Connected World Mike Chapple 2021-10-01 Cyberwarfare: Information Operations in a Connected World puts students on the real-world battlefield of cyberspace! It reviews the role that cyberwarfare plays in modern military operations—operations in which it has become almost impossible to separate cyberwarfare from traditional warfare.

Fundamentals of Information Systems Ralph Stair 2015-01-02 Combining the latest research and most current coverage available into a succinct nine chapters, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E equips students with a solid understanding of the core principles of IS and how it is practiced. The streamlined 560-page eighth edition features a wealth of new examples, figures, references, and cases as it covers the latest developments from the field--and highlights their impact on the rapidly changing role of today's IS professional. In addition to a stronger career emphasis, the text includes expanded coverage of mobile solutions, energy and environmental concerns, the increased use of cloud computing across the globe, and two cases per chapter. Learning firsthand how information systems can increase profits and reduce costs, students explore new information on e-commerce and enterprise systems, artificial intelligence, virtual reality, green computing, and other issues reshaping the industry. The text introduces the challenges and risks of computer crimes, hacking, and cyberterrorism. It also presents some of the most current research on virtual communities, global IS work solutions, and social

networking. No matter where students' career paths may lead, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E and its resources can help them maximize their success as employees, decision makers, and business leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Access Control, Authentication, and Public Key Infrastructure Bill Ballad 2010-10-22 Access Control, Authentication, and Public Key Infrastructure provides a unique, in-depth look at how access controls protect resouces against unauthorized viewing, tampering, or destruction and serves as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized disclosure. Written by industry experts, this book defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access control programs, before looking at the risks, threats, and vulerabilities prevalent in information systems and IT infrastructures and ways of handling them. Using examples and exercises, this book incorporates hands-on activities to prepare readers to successfully put access control systems to work as well as test and manage them. The Jones & Bartlett Learning: Information Systems Security & Assurance Series delivers fundamental IT Security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs, Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current, forward-thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow.

Managing Risk in Information Systems Darril Gibson 2014-07-01 PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Revised and updated with the latest data in the field, the Second Edition of Managing Risk in Information Systems provides a comprehensive overview of the SSCP(r) Risk, Response, and Recovery Domain in addition to providing a thorough overview of risk management and its implications on IT infrastructures and compliance. Written by industry experts, and using a wealth of examples and exercises, this book incorporates hands-on activities to walk the reader through the fundamentals of risk management, strategies and approaches for mitigating risk, and the anatomy of how to create a plan that reduces risk. Instructor's Material for Managing Risk in Information Systems include: PowerPoint Lecture Slides Instructor's Guide Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts

Security Policies and Implementation Issues Robert Johnson 2014-07-03 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Security Policies and Implementation Issues, Second Edition offers a comprehensive, end-to-end view of information security policies and frameworks from the raw organizational mechanics of building to the psychology of implementation. Written by an industry expert, it presents an effective balance between technical knowledge and soft skills, and introduces many different concepts of information security in clear simple terms such as governance,

regulator mandates, business drivers, legal considerations, and much more. With step-by-step examples and real-world exercises, this book is a must-have resource for students, security officers, auditors, and risk leaders looking to fully understand the process of implementing successful sets of security policies and frameworks. Instructor Materials for Security Policies and Implementation Issues include: PowerPoint Lecture Slides Instructor's Guide Sample Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well."

MasteringÂ Network Security Chris Brenton 2006-09-30

FUNDAMENTALS OF INFORMATION SYSTEMS SECURITY + VIRTUAL SECURITY CLOUD LABS. DAVID. KIM 2017

Hacker Techniques, Tools, and Incident Handling Sean-Philip Oriyano 2018-09-04 Hacker Techniques, Tools, and Incident Handling, Third Edition begins with an examination of the landscape, key terms, and concepts that a security professional needs to know about hackers and computer criminals who break into networks, steal information, and corrupt data. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. The final section studies those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web. Written by subject matter experts, with numerous real-world examples, Hacker Techniques, Tools, and Incident Handling, Third Edition provides readers with a clear, comprehensive introduction to the many threats on our Internet environment and security and what can be done to combat them.

Cyberwarfare Adjunct Professor University of Florida L Charles Smeby Jr 2014-08-01 Part of the Jones & Bartlett Learning Information Systems Security & Assurance Series Cyberwarfare puts students on the real-world battlefield of cyberspace! Students will learn the history of cyberwarfare, techniques used in both offensive and defensive information warfare, and how cyberwarfare is shaping military doctrine. Written by subject matter experts, this book combines accessible explanations with realistic experiences and case studies that make cyberwar evident and understandable. Key Features: - Incorporates hands-on activities, relevant examples, and realistic exercises to prepare readers for their future careers. - Includes detailed case studies drawn from

actual cyberwarfare operations and tactics. - Provides fresh capabilities information drawn from the Snowden NSA leaks

Public Administration and Information Technology Christopher Reddick 2011-09-16 Public Administration and Information Technology provides a foundational overview of the impact of information technology (IT) on modern public organizations. The focus is on what public managers need to know about managing IT to create more efficient, effective, and transparent organizations. This book is unique in that it provides a concise introduction to the subject area and leaves students with a broad perspective on the most important issues. Other books in the field either examine e-government, or are large reference volumes that are not easily accessible to most students. This textbook shows the practical application of IT to the most important areas of public administration. Public Administration and Information Technology is ideal for use in traditional public administration courses on IT as well as management information systems courses in schools of business. Divided into 3 parts, the book covers: - Public Organizations and Information Technology I- nformation Technology, Evaluation, and Resource Management - Emerging Issues in for Public Managers

Secure Software Design Theodor Richardson 2012-02-23 Networking & Security.

Threat Modeling Adam Shostack 2014-02-12 The only security book to be chosen as a Dr. Dobbs Jolt Award Finalist since Bruce Schneier's Secrets and Lies and Applied Cryptography! Adam Shostack is responsible for security development lifecycle threat modeling at Microsoft and is one of a handful of threat modeling experts in the world. Now, he is sharing his considerable expertise into this unique book. With pages of specific actionable advice, he details how to build better security into the design of systems, software, or services from the outset. You'll explore various threat modeling approaches, find out how to test your designs against threats, and learn effective ways to address threats that have been validated at Microsoft and other top companies. Systems security managers, you'll find tools and a framework for structured thinking about what can go wrong. Software developers, you'll appreciate the jargon-free and accessible introduction to this essential skill. Security professionals, you'll learn to discern changing threats and discover the easiest ways to adopt a structured approach to threat modeling. Provides a unique how-to for security and software developers who need to design secure products and systems and test their designs Explains how to threat model and explores various threat modeling approaches, such as asset-centric, attacker-centric and software-centric Provides effective approaches and techniques that have been proven at Microsoft and elsewhere Offers actionable how-to advice not tied to any specific software, operating system, or programming language Authored by a Microsoft professional who is one of the most prominent threat modeling experts in the world As more software is delivered on the Internet or operates on Internet-connected devices, the design of secure software is absolutely critical. Make sure you're ready with Threat Modeling: Designing for Security.

Information Security Management Michael Workman 2021-10-20 Information Security Management, Second Edition arms students with answers to the most critical questions about the fields of cybersecurity. It provides students with references to more in-depth study in areas where they may need to specialize. The Second Edition covers operations—the job of day-to-day cybersecurity tasks—regulations, compliance, laws and policies, research and development, and the creation of software and cyber defenses for security initiatives. Finally, the text covers advanced R&D involved in strategic aspects of security developments for threats that lay on the horizon.

Public Budgeting Systems Robert D. Lee Jr. 2009-11-09 A complete and balanced reference, Public Budgeting Systems, Eighth Edition surveys the current state of budgeting throughout all levels of the United States government. The text emphasizes methods by which financial decisions are reached within a system as well as ways in which different types of information are used in budgetary decision-making. It also stresses the use of program information, since, for decades, budget reforms have sought to introduce greater program considerations into financial decisions. This updated text includes more cases studies and practical information, figures and charts to make the information more accessible, as well as additional student problems. Using this text, students will gain a first-rate understanding of methods by which financial decisions are reached within a system, and how different types of information are used in budgetary decision-making.

Fundamentals of Information Systems Security David Kim (Information technology security consultant) 2012

Security Policies and Implementation Issues Robert Johnson 2020-10-23 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Security Policies and Implementation Issues, Third Edition offers a comprehensive, end-to-end view of information security policies and frameworks from the raw organizational mechanics of building to the psychology of implementation. Written by industry experts, the new Third Edition presents an effective balance between technical knowledge and soft skills, while introducing many different concepts of information security in clear simple terms such as governance, regulator mandates, business drivers, legal considerations, and much more. With step-by-step examples and real-world exercises, this book is a must-have resource for students, security officers, auditors, and risk leaders looking to fully understand the process of implementing successful sets of security policies and frameworks. Instructor Materials for Security Policies and Implementation Issues include: PowerPoint Lecture Slides Instructor's Guide Sample Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-

security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking—putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well.

Access Control, Authentication, and Public Key Infrastructure Mike Chapple 2020-10-15 PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIESSeries meets all standards put forth by CNSS 4011 & 4013A!Access control protects resources against unauthorized viewing, tampering, or destruction. They serve as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized disclosure. Revised and updated with the latest data from this fast paced field, Access Control, Authentication, and Public Key Infrastructure defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access control programs. It looks at the risks, threats, and vulnerabilities prevalent in information systems and IT infrastructures and how to handle them. It provides a student and professional resource that details how to put access control systems to work as well as testing and managing them. New to the Second Edition: Updated references to Windows 8 and Outlook 2011 A new discussion of recent Chinese hacking incidence Examples depicting the risks associated with a missing unencrypted laptop containing private data. New sections on the Communications Assistance for Law Enforcement Act (CALEA) and granting Windows folder permissions are added. New information on the Identity Theft Enforcement and Restitution Act and the Digital Millennium Copyright Act (DMCA).

Wireless and Mobile Device Security Jim Doherty 2015-01-02 Discusses the history and evolution of wireless networks Explores the impact of wireless on the corporate world Focuses on 802.11 WLAN security in both the small office/home office world and for larger organizations Gives security solutions to the risks and vulnerabilities of mobile devices Reviews the mobile malware landscape and discusses mitigation strategies

Laboratory Manual Version 1. 5 to Accompany Fundamentals of Information Systems Security vLab Solutions Staff 2013-05-28 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES!Fundamentals of Information System Security provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Part 2 is adapted from the Official (ISC)2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification. The book closes with a resource for readers who desire additional material on information security standards, education, professional certifications, and compliance laws. With its

practical, conversational writing style and step-by-step examples, this text is a must-have resource for those entering the world of information systems security.Instructor Materials for Fundamentals of Information System Security include:PowerPoint Lecture SlidesExam QuestionsCase Scenarios/Handouts.

System Forensics, Investigation and Response Easttom 2013-08-16 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Completely revised and rewritten to keep pace with the fast-paced field of Computer Forensics! Computer crimes call for forensics specialists, people who know how to find and follow the evidence. System Forensics, Investigation, and Response, Second Edition begins by examining the fundamentals of system forensics, such as what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Finally, it explores emerging technologies as well as future directions of this interesting and cutting-edge field. New and Key Features of the Second Edition: Examines the fundamentals of system forensics Discusses computer crimes and forensic methods Written in an accessible and engaging style Incorporates real-world examples and engaging cases Instructor Materials for System Forensics, Investigation, and Response include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts Instructor's Manual

Security Strategies in Web Applications and Social Networking Mike Harwood 2015-07-20 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! Security Strategies in Web Applications and Social Networking provides a unique, in-depth look at how to secure mobile users as customer-facing information migrates from mainframe computers and application servers to Web-enabled applications. Written by an industry expert, this book provides a comprehensive explanation of the evolutionary changes that have occurred in computing, communications, and social networking and discusses how to secure systems against all the risks, threats, and vulnerabilities associated with Web-enabled applications accessible via the Internet. Using examples and exercises, this book incorporates hands-on activities to prepare readers to successfully secure Web-enabled applications.

Auditing IT Infrastructures for Compliance Martin Weiss 2015-07-10 The Second Edition of Auditing IT Infrastructures for Compliance provides a unique, in-depth look at recent U.S. based Information systems and IT infrastructures compliance laws in both the public and private sector. Written by industry experts, this book provides a comprehensive explanation of how to audit IT infrastructures for compliance based on the laws and the need to protect and secure business and consumer privacy data. Using examples and exercises, this book incorporates hands-on activities to prepare readers to skillfully complete IT compliance auditing.

Elementary Information Security Richard E. Smith 2011-11-18 Elementary

Information Security is certified to comply fully with the NSTISSI 4011: the federal training standard for information security professionals Comprehensive and accessible, Elementary Information Security covers the entire range of topics required for US government courseware certification NSTISSI 4011 and urges students to analyze a variety of security problems while gaining experience with basic tools of the trade. Written for the one-term undergraduate course, the text emphasizes both the technical and non-technical aspects of information security and uses practical examples and real-world assessment tools. Early chapters in the text discuss individual computers and small LANS, while later chapters deal with distributed site security and the Internet. Cryptographic topics follow the same progression, starting on a single computer and evolving to Internet-level connectivity. Mathematical concepts throughout the text are defined and tutorials with mathematical tools are provided to ensure students grasp the information at hand. Rather than emphasizing memorization, this text challenges students to learn how to analyze a variety of security problems and gain experience with the basic tools of this growing trade. Key Features: -Covers all topics required by the US government curriculum standard NSTISSI 4011. - Unlike other texts on the topic, the author goes beyond defining the math concepts and provides students with tutorials and practice with mathematical tools, making the text appropriate for a broad range of readers. - Problem Definitions describe a practical situation that includes a security dilemma. - Technology Introductions provide a practical explanation of security technology to be used in the specific chapters - Implementation Examples show the technology being used to enforce the security policy at hand - Residual Risks describe the limitations to the technology and illustrate various tasks against it. - Each chapter includes worked examples of techniques students will need to be successful in the course. For instance, there will be numerous examples of how to calculate the number of attempts needed to crack secret information in particular formats; PINs, passwords and encryption keys. Instructor resources include an Instructor's Manual, PowerPoint Lecture outlines, and a complete Test Bank.

Essentials of Health Information Systems and Technology Jean A. Balgrosky 2014-08-11 As health care and public health continue to evolve, the field of health information systems (HIS) has revealed an overwhelming universe of new, emerging, competing, and conflicting technologies and services. This book unravels the mysteries of HIS by breaking technologies down to their component parts, while articulating intricate concepts clearly and carefully in simple, reader-friendly language. It will provide undergraduate and early graduate students with a solid understanding not only of what is needed for a successful healthcare career in HIS, but also of the future as we develop new tools to support improved methods of care, analytics, policy, research, and public health. Contents include: HIS overview; systems and management; biomedical informatics; data and analytics; research, policy, and public health; future directions of HIS. --