Essentials Of Logic 2nd Edition

In lively and readable prose, Arthur presents a new approach to the study of logic, one that seeks to integrate methods of argument analysis developed in modern "informal logic" with natural deduction techniques. The dry bones of logic are given flesh by unusual attention to the history of the subject, from Pythagoras, the Stoics, and Indian Buddhist logic, through Lewis Carroll, Venn, and Boole, to Russell, Frege, and Monty Python. A previous edition of this book appeared under the title Natural Deduction. This new edition adds clarifications of the notions of explanation, validity and formal validity, a more detailed discussion of derivation strategies, and another rule of inference, Reiteration. Rendered from the 11th Edition of Copi/Cohen, Introduction to Logic, the most respected introductory logic book on the market, this concise version presents a simplified yet rigorous introduction to the study of logic. It covers all major topics and approaches, using a three-part organization that outlines specific topics under logic and language, deduction, and induction. For individuals intrigued by the formal study of logic.

Thoroughly revised and updated, this engaging text has given thousands of students and new evaluators the practical information and expert advice needed to conduct or use evaluations. In 26 concise sections, the book describes how to articulate answerable evaluation questions, collect and analyze data using both quantitative and qualitative methods, and deal with contingencies that might alter the traditional sequence of an evaluation. Special strengths of the text are its attention to individual, organizational, and community culture and emphasis on building collaborative relationships with stakeholders. An in-depth case study and related end-of-section exercises (including group activities) help students put themselves in the evaluator role. Other pedagogical features include section titles written as questions, bulleted recaps of each section, "Thinking Ahead" and "Next Steps" pointers, cautionary notes, and suggestions for further reading. New to This Edition *New and expanded topics: evaluation contracts, budgeting, surveys, data visualization, qualitative coding and memoing, factors affecting evaluation use, and context-sensitive evaluation. *Revised case study with extended exercises that guide the reader to complete a simulated evaluation. *End-of-section "Quick Read" links to recommended American Evaluation Association blog posts. *Four entirely new sections (such as "How Do You Strengthen Relationships with Stakeholders?" and "How Do We Plan a Process-Focused Evaluation Design?"), plus other changes and additions throughout.

Step-by-step guidance and the latest research findings on the basics of processing assessment Now in its Second Edition, Essentials of Processing Assessment provides critical information about this important aspect of cognitive functioning. This practical resource provides students and practitioners with the tools they need to accurately and efficiently assess an individual's ability to process information. As part of the Essentials of Psychological Assessment series, this book provides information mental health professionals need to practice knowledgeably, efficiently, and ethically in today's behavioral healthcare environment. Includes illustrative material, callout boxes highlighting key concepts, and "test yourself" question for gauging and reinforcing learning Update throughout to include four new chapters and a new companion CD-ROM that includes all worksheets and testing charts Packed with indispensable guidelines on organizing a processing assessment and interpreting results Essentials of Processing Assessment, Second Edition, offers the best one-stop source of information to help students and practitioners identify processing strengths and weaknesses and plan appropriate interventions.

This clearly written book makes logic interesting and easier to learn without sacrificing content or rigor. KEY TOPICS: It covers symbolization,

proofs, counterexamples, and truth trees. These topics are presented in graded steps, beginning with the symbolization of categorical propositions and concluding with the properties of relations. Logic is applied to materials with which readers will be familiar; both examples and exercises are drawn from newspapers, television, and other popular sources. MARKET: For individuals intrigued by the formal study of logic.

This introductory logic textbook focuses on the basics of logic and language, deduction, and induction. Specific chapters discuss fallacies, categorical propositions, categorical syllogisms, symbolic logic, quantification theory, analogy and inference, casual connections, science and hypothesis, and

Essentials of Cognitive Neuroscience guides undergraduate and early-stage graduate students with no previous neuroscientific background through the fundamental principles and themes in a concise, organized, and engaging manner. Provides students with the foundation to understand primary literature, recognize current controversies in the field, and engage in discussions on cognitive neuroscience and its future Introduces important experimental methods and techniques integrated throughout the text Assists student comprehension through four-color images and thorough pedagogical resources throughout the text Accompanied by a robust website with multiple choice questions, experiment vidoes, fMRI data, web links and video narratives from a global group of leading scientists for students. For Instructors there are sample syllabi and exam questions

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

This textbook offers an understanding of the essential concepts of programming languages. The text uses interpreters, written in Scheme, to express the semantics of many essential language elements in a way that is both clear and directly executable.

The bestselling guide to reporting writing, updated and reworked for today's practice Essentials of Assessment Report Writing offers effective solutions to the creation of reader-friendly, yet targeted, psychological, and educational assessment reports. Parents, clinicians, clients, and other readers need more than test-by-test descriptions—they need an accessible analysis of the entire situation to determine their next steps. This book provides clear guidance for busy practitioners seeking ways to improve

their report writing skills. With a focus on current practice, this new second edition covers DSM-5 updates and the latest assessment instruments including the WJ IV, WISC-V, WAIS-IV, KTEA-3, and the CAS2. New discussion includes advice on tailoring the report to the audience, and annotated case reports provide illustrative models of effective report styles, interpretation, and analysis. Key concepts are highlighted for quick reference throughout, and end-of-chapter questions help reinforce understanding. Reporting styles vary widely within the field, in both content and style; there is no definitive "standard," but many reports fail to reflect best practices and therefore prove less than useful to the reader. This book provides expert guidance throughout the reporting process to help practitioners provide high-quality, accessible reports. Integrate assessment results to provide a person-centered report Identify and navigate critical decision points in the interpretive process Write efficiently yet effectively while enhancing the reader's experience Provide an accurate, informative, and readable assessment report Incorporate practical recommendations to address the referral concerns Expertly-conducted assessments should culminate with a carefully constructed analysis that provides direction via clear communication. Because this report will be used to inform treatment, intervention, and ultimately, the client's quality of life—it is critical that it provides clear, informative guidance in a way that readers can understand. Essentials of Assessment Report Writing provides comprehensive guidelines for navigating through the report writing process.

As a supplemental or stand-alone text, Essentials of Flowcharting covers the basics of flowcharting and pseudocode as related to structured programming. It can be used in many courses such as general programming, COBOL, Pascal, BASIC, and FORTRAN. For the instructor who believes their students benefit from visualizing the flow of a program, Essentials of Flowcharting is a perfect solution.

Blackwell Publishing is delighted to announce that this book hasbeen Highly Commended in the 2004 BMA Medical Book Competition.Here is the judges' summary of this book: "This is a technical book on a technical subject but presentedin a delightful way. There are many books on statistics for doctorsbut there are few that are excellent and this is certainly one ofthem. Statistics is not an easy subject to teach or write about.The authors have succeeded in producing a book that is as good asit can get. For the keen student who does not want a book formathematicians, this is an excellent first book on medicalstatistics." Essential Medical Statistics is a classic amongst medicalstatisticians. An introductory textbook, it presents statisticswith a clarity and logic that demystifies the subject, whileproviding a comprehensive coverage of advanced as well as basicmethods. The second edition of Essential Medical Statistics hasbeen comprehensively revised and updated to include modernstatistical methods and modern approaches to statistical analysis,while retaining the approachable and non-mathematical style of thefirst edition. The book now includes full coverage of the mostcommonly used regression models, multiple linear regression,logistic regression, Poisson regression and Cox regression, as wellas a chapter on general issues in regression modelling. Inaddition, new chapters introduce more advanced topics such asmeta-analysis, likelihood, bootstrapping and robust standarderrors, and analysis of clustered data. Aimed at students of medical statistics, medical researchers,public health practitioners and practising clinicians usingstatistics in

their daily work, the book is designed as both ateaching and a reference text. The format of the book is clear withhighlighted formulae and worked examples, so that all concepts arepresented in a simple, practical and easy-to-understand way. Thesecond edition enhances the emphasis on choice of appropriatemethods with new chapters on strategies for analysis and measuresof association and impact. Essential Medical Statistics is supported by a web siteat www.blackwellpublishing.com/essentialmedstats. Thisuseful online resource provides statistical datasets to download,as well as sample chapters and future updates.

A practical guide to effective treatment planning Expert advice includes case examples, callout boxes, and "TestYourself" questions Conveniently formatted for rapid reference Improve patient care through better treatment planning andmonitoring Essentials of Treatment Planning presents a clear andconcise approach to the development and use of treatment plans inbehavioral health care settings. This nuts-and-bolts guide coverssuch essential material as the role and benefits of treatmentplanning in a clinical setting, methods for conductingcomprehensive patient assessments, the use of assessmentinformation to develop the basis of individual treatment plans, andstrategies for ongoing evaluations and revisions of treatmentplans. Essentials of Treatment Planning guides you in how todevelop and use treatment plans to strengthen the entire treatmentprocess. An important component in documentation, accuratetreatment plans provide such benefits as: meeting theaccountability requirements of managed behavioral health careorganizations; allowing for more efficient coordination of carewith other health care professionals; and facilitating bettercommunication with outside reviewers. Mental health professionalsmay gain the additional security of protection from certain typesof litigation. As part of the Essentials of Mental Health Practiceseries, this book provides the information mental healthprofessionals need to practice knowledgeably, efficiently, andethically in today's behavioral health care environment. Eachconcise chapter features numerous callout boxes highlighting keyconcepts, bulleted points, and extensive illustrative material, aswell as "Test Yourself" questions that help you gauge and reinforceyour grasp of the information covered.

... a self-paced workbook that teaches the core Adobe Captivate skills "Adobe Captivate 2019: The Essentials (Second Edition)" is a self-paced workbook that teaches the core Captivate 2019 (version 11.5) skills needed to create eLearning courses. You will follow step-by-step instructions and learn how to create a soft-skills lesson from scratch. You will learn to record and produce software demonstrations, interactive training simulations, and Video Demos. By the time you finish working through this fast-paced book, you will know how to add such standard objects to a slide as text captions, images, characters, videos, Smart Shapes, and more. You will record, import, and edit audio. You will also further enhance the learner experience by adding interactivity via click boxes, buttons, text entry boxes, and quizzes. Have you already created content using Microsoft PowerPoint? Don't throw that presentation away. You will learn how to import existing PowerPoint content into Captivate. Last, but not least, you will publish a Captivate project as SWF, PDF, or HTML5 so that your content can be used on virtually any device including desktop computers, laptops, smart phones, and tablets. This book features: Captivate projects, images, audio files, and other assets to get started Dozens of step-by-step, hands-on activities Confidence Checks to challenge your new skills Hundreds of supporting screen shots

This title gives students an integrated and rigorous picture of applied computer science, as it comes to play in the construction of a simple yet powerful computer system.

Learn virtualization skills by building your own virtual machine Virtualization Essentials, Second Edition provides new and aspiring IT professionals with immersive training in working with virtualization environments. Clear, straightforward discussion simplifies complex concepts, and the hands-on tutorial approach helps you quickly get up to speed on the fundamentals. You'll begin by learning what virtualization is and how it works within the computing environment, then you'll dive right into building your own virtual machine. You'll learn how to set up the CPU, memory, storage, networking, and more as you master the skills that put you in-demand on the job market. Each chapter focuses on a specific goal, and concludes with review questions that test your understanding as well as suggested exercises that help you reinforce what you've learned. As more and more companies are leveraging virtualization, it's imperative that IT professionals have the skills and knowledge to interface with virtualization-centric infrastructures. This book takes a learning-by-doing approach to give you hands-on training and a core understanding of virtualization. Understand how virtualization works Create a virtual machine by scratch and migration Configure and manage basic components and supporting devices Develop the necessary skill set to work in today's virtual world Virtualization was initially used to build test labs, but its use has expanded to become best practice for a tremendous variety of IT solutions including high availability, business continuity, dynamic IT, and more. Cloud computing and DevOps rely on virtualization technologies, and the exponential spread of these and similar applications make virtualization proficiency a major value-add for any IT professional. Virtualization Essentials, Second Edition provides accessible, user-friendly, informative virtualization training for the forward-looking pro.

LOGIC: THE ESSENTIALS concentrates on the fundaments of introductory logic. Practical in orientation and content, Essentials is loaded with class-tested, proven practice exercises. The book is tailored to address the needs of many of today's instructors who are challenged by time constraints but yet want to instill in their students a solid grasp of basic logical principles and the requisite skill to apply them in everyday life. This new text is based on the classic and bestselling textbook, A Concise Introduction to Logic, and nearly all of the exercises in the correlative chapters, so central to the effectiveness of that text, have been retained to ensure more than enough practice for students to master the central concepts. The text focuses largely on deductive logic, but it contains sufficient treatment of induction to provide a solid footing for informal fallacies. The result is a contemporary approach--more focused, more practical, less theoretical--built on a tradition of precise, elegant, and clear presentation of the subject matter of logic, both formal and informal. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

An easy-to-understand overview of the key concepts of psychological testing Fully updated and revised, the second edition of Essentials of Psychological Testing surveys the basic principles of psychometrics, succinctly presents the information needed to understand and evaluate tests, and introduces readers to the major contemporary reference works in the field. This engaging,

practical overview of the most relevant psychometric concepts and techniques provides the foundation necessary for advanced study in the field of psychological assessment. Each clear, well-organized chapter includes new examples and references, featuring callout boxes highlighting key concepts, bulleted points, and extensive illustrative material, as well as "Test Yourself" questions that help gauge and reinforce readers' grasp of the information covered. The author's extensive experience and deep understanding of the concepts presented are evident throughout the book, particularly when readers are reminded that tests are tools and that, like all tools, they have limitations. Starting with a basic introduction to psychological tests, their historical development, and their uses, the book also covers the statistical procedures most frequently used in testing, the frames of reference for score interpretation, reliability, validity and test item considerations, as well as the latest guidelines for test selection, administration, scoring and reporting test results. Whether as an orientation for those new to the field, a refresher for those already acquainted with it, or as reference for seasoned clinicians, this book is an invaluable resource. SUSANA URBINA, PHD, is Professor Emeritus of Psychology at the University of North Florida, where she taught courses in psychological testing and assessment. A Diplomate of the American Board of Assessment Psychology and a licensed psychologist, Dr. Urbina practiced in the field of psychological assessment for over a decade. She coauthored the seventh edition of Psychological Testing with Anne Anastasi and has published numerous articles and reviews in the area of psychological testing.

Essentials of Symbolic Logic is a concise and clearly written introduction to the topic. Based on years of use in colleges and universities, the book provides an accessible and thorough grounding in sentence logic and predicate logic. While technical jargon is kept to a minimum, all necessary logical concepts and vocabulary are explained clearly. A standard system of natural deduction is developed, and readers are given suggestions for developing strategies for creating derivations (proofs) in this system.

Written for the one-term course, the Third Edition of Essentials of Discrete Mathematics is designed to serve computer science majors as well as students from a wide range of disciplines. The material is organized around five types of thinking: logical, relational, recursive, quantitative, and analytical. This presentation results in a coherent outline that steadily builds upon mathematical sophistication. Graphs are introduced early and referred to throughout the text, providing a richer context for examples and applications. tudents will encounter algorithms near the end of the text, after they have acquired the skills and experience needed to analyze them. The final chapter contains in-depth case studies from a variety of fields, including biology, sociology, linguistics, economics, and music.

This new edition is intended for the undergraduate one or two semester course in modern algebra, also called abstract algebra. It follows that basic plan, using the axioms or rules to understand structures such as groups, rings, and fields, and giving the reader examples to help, but leaving many theorems and examples for them to try. The unique feature of the text is the list of "projects" at the end of each chapter that can be used in the classroom (with students solving them), alone, or in groups with the aid of an instructor. Because of their interactive nature, the projects are designed to understand concepts or to lead the student to new ideas they will encounter later. Features: * Features a logic-based presentation, with the structures of groups, rings, and fields

presented in similar ways through objects, sub-objects, mappings between objects, and quotients of objects * Follows a fairly straight path without many of the side areas, such as modules, in order to introduce Galois Theory and solvability of polynomials * Provides numerous examples, additional exercises and the inclusion of "projects" in each chapter * Instructor's resources available upon adoption

Quickly acquire the knowledge and skills you need to confidently administer, score, and interpret the MMPI®-2 The Minnesota Multiphasic Personality Inventory-2 (MMPI®-2) is the most widely used test in the world for personality assessment. To use it properly, professionals need an authoritative source of advice and guidance on how to administer, score, and interpret this test. Now thoroughly updated to reflect the latest research and literature on this test, Essentials of MMPI®-2 Assessment, Second Edition is that source. Like all the volumes in the Essentials of Psychological Assessment series, this book is designed to help busy mental health professionals, and those in training, quickly acquire the knowledge and skills they need to make optimal use of major psychological assessment instruments. Each concise chapter features numerous callout boxes highlighting key concepts, bulleted points, and extensive illustrative material, as well as test questions that help you gauge and reinforce your grasp of the information covered. Essentials of MMPI®-2 Assessment, Second Edition adds new material on the MMPI®-2 RC and the MMPI®-2 RF, providing step-by-step guidance on test administration, scoring, and interpretation. Additionally, the author provides his expert assessment of the test's relative strengths and weaknesses, valuable advice on its clinical applications, and several illuminating case reports.

ESSENTIALS OF THERMAL PROCESSING Explore this fully updated new edition of a practical reference on food preservation from two leading voices in the industry Among all food preservation methods in use today, thermal processing remains the single most important technique used in the industry. The newly revised Second Edition of Essentials of Thermal Processing delivers a thorough reference on the science and applications of the thermal processing of a wide variety of food products. The book offers readers essential information on the preservation of food products by heat, including high-acid foods and low-acid sterilized foods requiring a full botulinum cook. The accomplished authors—noted experts in their field—discuss all relevant manufacturing steps, from raw material microbiology through the various processing regimes, validation methods, packaging, incubation testing, and spoilage incidents. Two new chapters on temperature and heat distribution, as well as heat penetration of foods, are included. More worked and practical examples are found throughout the book as well. Readers will also benefit from the inclusion of: A thorough introduction to the microbiology of heat processed foods, food preservation techniques, low acid canned foods, and high acid foods An exploration of acidified products, heat extended shelf-life chilled foods, and processing

methods Discussions of cooking and process optimization, process validation, and heat penetration and process calculations An examination of cooling and water treatment, how to handle process deviations, and packaging options for heat preserved foods Perfect for professionals working in the food processing and preservation industries, Essentials of Thermal Processing will also earn a place in the libraries of anyone seeking a one-stop reference on the subject of thermal processing for food products.

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.

Logic Primer presents a rigorous introduction to natural deduction systems of sentential and first-order logic. The text is designed to foster the student-instructor relationship. The key concepts are laid out in concise definitions and comments, with the expectation that the instructor will elaborate upon them. New to the second edition is the addition of material on the logic of identity in chapters 3 and 4. An innovative interactive Web site, consisting of a "Logic Daemon" and a "Quizmaster," encourages students to formulate their own proofs and links them to appropriate explanations in the book.

Written by a pioneer of mathematical logic, this comprehensive graduate-level text explores the constructive theory of first-order predicate calculus. It covers formal methods — including algorithms and epitheory — and offers a brief treatment of Markov's approach to algorithms. It also explains elementary facts about lattices and similar algebraic systems. 1963 edition.

Provides immediate help for anyone preparing a biomedical paper by givin specific advice on organizing the components of the paper, effective writing techniques, writing an effective results sections, documentation issues, sentence structure and much more. The new edition includes new examples from the current literature including many involving molecular biology, expanded exercises at the end of the book, revised explanations on linking key terms, transition clauses, uses of subheads, and emphases. If you plan to do any medical writing, read this book first and get an immediate advantage.

Essentials of Discrete Mathematics, Second Edition is the ideal text for a one-term discrete mathematics course to serve computer science majors as well as students from a wide range of other disciplines. It introduces students to the mathematical way of thinking, and also to many important modern applications. The material is organized around five

types of thinking: logical, relational, recursive, quantitative, and analytical. This presentation results in a coherent outline that steadily builds upon mathematical sophistication. Graphs are introduced early and referred to throughout the text, providing a richer context for examples and applications. Students will encounter algorithms near the end of the text, after they have acquired the skills and experience needed to analyze them. The final chapter contains in-depth case studies from a variety of fields, including biology, sociology, linguistics, economics, and music. Clear and concise, Essentials of Discrete Mathematics presents a unified and complete picture of discrete mathematics that instructors can cover in a single semester.

Now much revised since its first appearance in 1941, this book, despite its brevity, is notable for its scope and rigor. It provides a single strand of simple techniques for the central business of modern logic. Basic formal concepts are explained, the paraphrasing of words into symbols is treated at some length, and a testing procedure is given for truth-function logic along with a complete proof procedure for the logic of quantifiers. Fully one third of this revised edition is new, and presents a nearly complete turnover in crucial techniques of testing and proving, some change of notation, and some updating of terminology. The study is intended primarily as a convenient encapsulation of minimum essentials, but concludes by giving brief glimpses of further matters.

Learn Linux, and take your career to the next level! Linux Essentials, 2nd Edition provides a solid foundation of knowledge for anyone considering a career in information technology, for anyone new to the Linux operating system, and for anyone who is preparing to sit for the Linux Essentials Exam. Through this engaging resource, you can access key information in a learning-by-doing style. Hands-on tutorials and end-of-chapter exercises and review questions lead you in both learning and applying new information—information that will help you achieve your goals! With the experience provided in this compelling reference, you can sit down for the Linux Essentials Exam with confidence. An open source operating system, Linux is a UNIX-based platform that is freely updated by developers. The nature of its development means that Linux is a low-cost and secure alternative to other operating systems, and is used in many different IT environments. Passing the Linux Essentials Exam prepares you to apply your knowledge regarding this operating system within the workforce. Access lessons that are organized by task, allowing you to quickly identify the topics you are looking for and navigate the comprehensive information presented by the book Discover the basics of the Linux operating system, including distributions, types of open source applications, freeware, licensing, operations, navigation, and more Explore command functions, including navigating the command line, turning commands into scripts, and more Identify and create user types, users, and groups Linux Essentials, 2nd Edition is a critical resource for anyone starting a career in IT or anyone new to the Linux operating system.

"Forall x is an introduction to sentential logic and first-order predicate logic with identity, logical systems that significantly influenced twentieth-century analytic philosophy. After working through the material in this book, a student should be able to understand most quantified expressions that arise in their philosophical reading. This books treats symbolization, formal semantics, and proof theory

for each language. The discussion of formal semantics is more direct than in many introductory texts. Although forall x does not contain proofs of soundness and completeness, it lays the groundwork for understanding why these are things that need to be proven. Throughout the book, I have tried to highlight the choices involved in developing sentential and predicate logic. Students should realize that these two are not the only possible formal languages. In translating to a formal language, we simplify and profit in clarity. The simplification comes at a cost, and different formal languages are suited to translating different parts of natural language. The book is designed to provide a semester's worth of material for an introductory college course. It would be possible to use the book only for sentential logic, by skipping chapters 4-5 and parts of chapter 6"--Open Textbook Library.

This easy to read textbook provides an introduction to computer architecture, while focusing on the essential aspects of hardware that programmers need to know. The topics are explained from a programmer's point of view, and the text emphasizes consequences for programmers. Divided in five parts, the book covers the basics of digital logic, gates, and data paths, as well as the three primary aspects of architecture: processors, memories, and I/O systems. The book also covers advanced topics of parallelism, pipelining, power and energy, and performance. A hands-on lab is also included. The second edition contains three new chapters as well as changes and updates throughout.

(Black & White version) Fundamentals of Business was created for Virginia Tech's MGT 1104 Foundations of Business through a collaboration between the Pamplin College of Business and Virginia Tech Libraries. This book is freely available at: http://hdl.handle.net/10919/70961 It is licensed with a Creative Commons-NonCommercial ShareAlike 3.0 license.

"English is so illogical!" It is generally believed that English is a language of exceptions. For many, learning to spell and read is frustrating. For some, it is impossible... especially for the 29% of Americans who are functionally illiterate. But what if the problem is not the language itself, but the rules we were taught? What if we could see the complexity of English as a powerful tool rather than a hindrance? --Denise Eide Uncovering the Logic of English challenges the notion that English is illogical by systematically explaining English spelling and answering questions like "Why is there a silent final E in have, large, and house?" and "Why is discussion spelled with -sion rather than -tion?" With easy-to-read examples and anecdotes, this book describes: - the phonograms and spelling rules which explain 98% of English words - how English words are formed and how this knowledge can revolutionize vocabulary development - how understanding the reasons behind English spelling prevents students from needing to guess The author's inspiring commentary makes a compelling case that understanding the logic of English could transform literacy education and help solve America's literacy crisis. Thorough and filled with the latest linguistic and reading research, Uncovering the Logic of English demonstrates why this systematic approach should be as foundational to our education as 1+1=2.