Electrical Engineering Allan R Hambley

Electronics *Electrical Engineering* **Electrical Engineering** *Electrical Engineering Electrical Engineering* An Introduction to Communication Systems **Beginning Arduino Electronics** Outlines and Highlights for Electrical Engineering **Fox and McDonald's Introduction to Fluid Mechanics** *Process Technology Systems* Statistical Methods for Engineers *Studyguide for Electrical Engineering Electrical Engineering* **Electrical Engineering** Principles of Statistics for Engineers and Scientists **Comprehensive Inorganic Chemistry II Fundamentals of Graphics Communication Statics and Mechanics of Materials** *Linear Algebra Fundamentals of Electrical Engineering* Engineering Fundamentals & Problem Solving *Electrical Engineering Without Prior Knowledge* Hydrology for Water Management **Modern Industrial Electronics** *Programming with MATLAB for Engineers University of South Florida, EGN 3373, Introduction to Electrical Systems Lucifer Book Five* **Modern Graphics Communication Principles and Applications of Electrical Engineering Electrónica** Microelectronic Circuits **Circuits** Electrical Engineering 101 **Electric Circuits** *Fundamentals of Heat and Mass Transfer* **Quality** *Shortwave Listening Guidebook* The Engineering Communication Manual **Hughes Electrical Technology**

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Electrical Engineering Jul 30 2022 For courses in Electrical Engineering. The #1 title in its market, Electrical Engineering: Principles and Applications helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. This book covers circuit analysis, digital systems, electronics, and electromechanics at a level appropriate for either electrical-engineering students in an introductory course or non-majors in a survey course. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession. The only essential prerequisites are basic physics and single-variable calculus. The 7th Edition features technology and content updates throughout the text. **Modern Graphics Communication** Jun 04 2020 This is a clear, comprehensive, full-color introduction and reference for students and professionals who are creating engineering drawings and graphics with CAD software or by hand. It provides excellent technical detail and motivating real-world examples, illuminating theory with a colorful, highly-visual format complemented with concise text. Designed for busy, visually-oriented learners, this guide expands on well-tested material, fully updated for the latest ASME standards, materials, industries and production processes. Its up-to-date examples range from mechanical, plastic, and sheet metal drawings to modern techniques for civil engineering, architecture, and rapid prototyping. Throughout, clear, easy, step-by-step descriptions teach essential sketching and visualization techniques, including the use of 3D and 2D CAD. All color

visuals are tightly integrated with text to promote rapid mastery. Colorful models and animations on a companion website bring the material to life, and hands-on projects and tear-out worksheets make this guide ideal both for learning and for ongoing reference.

Circuits Jan 30 2020

Electrical Engineering Oct 01 2022 ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- For undergraduate introductory or survey courses in electrical engineering A clear introduction to electrical engineering fundamentals Electrical Engineering: Principles and Applications, 6e helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. Circuit analysis, digital systems, electronics, and electromechanics are covered. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession. NEW: This edition is now available with MasteringEngineering, an innovative online program created to emulate the instructor's office--hour environment, guiding students through engineering concepts from Electrical Engineering with self-paced individualized coaching. Note: If you are purchasing the standalone text or electronic version, MasteringEngineering does not come automatically packaged with the text. To purchase MasteringEngineering, please visit: masteringengineering.com or you can purchase a package of the physical text + MasteringEngineering by searching the Pearson Higher Education website. Mastering is not a self-paced technology and should only be purchased when required by an instructor.

Programming with MATLAB for Engineers Sep 07 2020

Fundamentals of Heat and Mass Transfer Oct 28 2019 With Wiley's Enhanced E-Text, you get all the benefits of a downloadable, reflowable eBook with added resources to make your study time more effective. Fundamentals of Heat and Mass Transfer 8th Edition has been the gold standard of heat transfer pedagogy for many decades, with a commitment to continuous improvement by four authors' with more than 150 years of combined experience in heat transfer education, research and practice. Applying the rigorous and systematic problem-solving methodology that this text pioneered an abundance of examples and problems reveal the richness and beauty of the discipline. This edition makes heat and mass transfer more approachable by giving additional emphasis to fundamental concepts, while highlighting the relevance of two of today's most critical issues: energy and the environment.

Outlines and Highlights for Electrical Engineering Feb 22 2022 Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780132130066 .

Principles and Applications of Electrical Engineering May 04 2020 The fourth edition of "Principles and Applications

of Electrical Engineering" provides comprehensive coverage of the principles of electrical, electronic, and electromechanical engineering to non-electrical engineering majors. Building on the success of previous editions, this text focuses on relevant and practical applications that will appeal to all engineering students.

Electrónica Apr 02 2020 Electrónica

Quality Sep 27 2019 Clear techniques and real-world illustrations show how quality tools can be used to improve outputs, productivity, costs, and safety. Quality, 6/e provides the tools and techniques needed to help organizations improve in the areas of quality, productivity, and safety. Using a wide-range of industry examples, insightful case studies, clear explanations of popular quality assurance tools and techniques, numerous illustrations, and subject matter relevant to the challenges faced by today's organizations, it takes an applied approach that teaches the "why and how" behind quality assurance and statistical process control. The contributors include engineers, business managers, quality assurance professionals, project managers, distribution managers, and others, and the examples come from industries as diverse as hospitals, government, utilities, manufacturing, building trades, and even the ballet. Suitable as a text for both business and engineering curricula at the college level, the book also serves as an ideal resource for professionals in the field who are working on organizational quality improvement.

Principles of Statistics for Engineers and Scientists Jul 18 2021 Principles of Statistics for Engineers and Scientists offers the same crystal clear presentation of applied statistics as Bill Navidi's Statistics for Engineers and Scientists text, in a manner especially designed for the needs of a one-semester course that is focused on applications. By presenting ideas in the context of real-world data sets and with plentiful examples of computer output, the book is great for motivating students to understand the importance of statistics in their careers and their lives. The text features a unique approach highlighted by an engaging writing style that explains difficult concepts clearly and the use of contemporary real world data sets to help motivate students and show direct connections to industry and research. While focusing on practical applications of statistics, the text makes extensive use of examples to motivate fundamental concepts and to develop intuition.

Microelectronic Circuits Mar 02 2020

Electrical Engineering 101 Dec 31 2019 Electrical Engineering 101 covers the basic theory and practice of electronics, starting by answering the question "What is electricity?" It goes on to explain the fundamental principles and components, relating them constantly to real-world examples. Sections on tools and troubleshooting give engineers deeper understanding and the know-how to create and maintain their own electronic design projects. Unlike other books that simply describe electronics and provide step-by-step build instructions, EE101 delves into how and why electricity and electronics work, giving the reader the tools to take their electronics education to the next level. It is written in a down-to-earth style and explains jargon, technical terms and schematics as they arise. The author builds a genuine understanding of the fundamentals and shows how they can be applied to a range of engineering problems. This third edition includes more real-world examples and a glossary of formulae. It contains new coverage of: Microcontrollers FPGAs Classes of components Memory (RAM, ROM, etc.) Surface mount High speed design Board layout Advanced digital electronics (e.g. processors) Transistor circuits and circuit design Op-amp and logic circuits Use of test equipment Gives readers a simple explanation of complex concepts, in terms they can understand and relate to everyday life. Updated content throughout and new material on the latest technological advances. Provides readers with an invaluable set of tools and references that they can use in their everyday work.

Lucifer Book Five Jul 06 2020 Cast out of Heaven, thrown down to rule in Hell, Lucifer Morningstar has resigned his post and abandoned his kingdom for the mortal city of

Los Angeles. In this final LUCIFER volume, the war in Heaven reaches its universe-shaking conclusion, as the forces of Heaven, Hell, and everyone in between wage a final battle to determine the fate of both Yahweh and Lucifer's Creations - a fate no one, not even the Lightbringer, could foresee. And in the aftermath of the battle, how will Lucifer and his cohorts pick up their lives and tie up loose ends? Collects LUCIFER #62-75.

Electrical Engineering Jun 28 2022 CD-ROMs contains: 2 CDs, "one contains the Student Edition of LabView 7 Express, and the other contains OrCAD Lite 9.2."

Electrical Engineering Sep 19 2021 Fundamentals of Electrical Engineering is an excellent introduction into the areas of electricity, electronic devices and electrochemistry. The book covers aspects of electrical science including Ohm and Kirkoff's laws, P-N junctions, semiconductors, circuit diagrams, magnetic fields, electrochemistry, and devices such as DC motors. This text is useful for students of electrical, chemical, materials, and mechanical engineering.

Electrical Engineering Without Prior Knowledge Dec 11 2020 Listing: Electrical engineering without priors knowledge - Understand the basics within seven days Two in One: You will receive the eBook in PDF format free of charge when you buy the paperback! Would you like to understand electrical circuits and be able to apply the basics of electrical engineering? No problem - with the help of this electrical engineering beginner's guide, you will be able to understand the basic effects of electric current, voltage and energy in no time at all. This guide covers the basics of direct current technology. Real practical examples and small exercises alongside the text help you understand. With the help of this beginner's guide, many satisfied readers have already been able to get into the subject and expand their own skills - see for yourself! Advantages of this book: Simply explained - written in a way understandable for everyone To the point - 114 pages in a practical pocketbook format Relevant to everyday life - real practical examples Clear and structured - important remarks and formulas are highlighted Bonus chapter included What the book contains: Review of the most important mathematical and physical basics Power, current and voltage explained Electromagnetism: cause and effect Understand electrical circuit diagrams: the correct notation and structure The most important components: resistors, capacitors and many more! Bonus: Practical example - a real circuit to reproduce Do not hesitate any longer - order the guide now, and soon you will understand the basics of electrical engineering!

Hydrology for Water Management Nov 09 2020 Containing over one hundred and sixty line drawings, maps and one hundred tables, this book explains the fundamental hydrologic principles and favoured methods of analysis. Aimed at students interested in natural resources and environmental science, spreadsheet exercises and worked examples help to develop basic problem solving skills.

Process Technology Systems Dec 23 2021 Process Technology Systems uses a straightforward approach to address the various systems in the processing industry, starting with the most common, such as cooling water, wastewater, and steam, and then progressing to less common concepts such as crystallization and extraction. Each chapter has a small line drawing or P&ID (Piping and Instrumentation Diagram) of the system under discussion and photos of some of the equipment, providing readers with visual references as they go. Each topic is covered in-depth, and features important information on its safety implications, as well as troubleshooting. With completely up-to-date information and technology, this book will help readers grasp the fundamentals of all the main process technology systems, as well as the importance of each system for meeting production schedules and determining quality of products and efficiency. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Fox and McDonald's Introduction to Fluid Mechanics Jan 24 2022 Through ten editions, Fox and

McDonald's Introduction to Fluid Mechanics has helped students understand the physical concepts, basic principles, and analysis methods of fluid mechanics. This market-leading textbook provides a balanced, systematic approach to mastering critical concepts with the proven Fox-McDonald solution methodology. In-depth yet accessible chapters present governing equations, clearly state assumptions, and relate mathematical results to corresponding physical behavior. Emphasis is placed on the use of control volumes to support a practical, theoretically-inclusive problem-solving approach to the subject. Each comprehensive chapter includes numerous, easy-to-follow examples that illustrate good solution technique and explain challenging points. A broad range of carefully selected topics describe how to apply the governing equations to various problems, and explain physical concepts to enable students to model real-world fluid flow situations. Topics include flow measurement, dimensional analysis and similitude, flow in pipes, ducts, and open channels, fluid machinery, and more. To enhance student learning, the book incorporates numerous pedagogical features including chapter summaries and learning objectives, end-of-chapter problems, useful equations, and design and open-ended problems that encourage students to apply fluid mechanics principles to the design of devices and systems.

Fundamentals of Electrical Engineering Feb 10 2021 Rizzoni's Fundamentals of Electrical Engineering provides a solid overview of the electrical engineering discipline that is especially geared toward the many non-electrical engineering students who take this course. The book was developed to fit the growing trend of the Intro to EE course morphing into a briefer, less comprehensive course. The hallmark feature of this text is its liberal use of practical applications to illustrate important principles. The applications come from every field of engineering and feature exciting technologies. The appeal to non-engineering students are the special features such as Focus on Measurement sections, Focus on Methodology sections, and Make the Connections sidebars.

University of South Florida, EGN 3373, Introduction to Electrical Systems Aug 07 2020

Electronics Nov 02 2022 The book provides a wealth of readily accessible information on basic electronics for electrical and computer engineering.The introduction and treatment of external amplifier characteristics has been condensed into the first chapter, op amps are treated in a single chapter, and treatment of device physics has been shortened and appears in various chapters on an as-needed basis. For anyone who wants an introduction to electronics.

Beginning Arduino Apr 26 2022 Presents an introduction to the open-source electronics prototyping platform.

Hughes Electrical Technology Jun 24 2019 Covering the fundamentals of electrical technology and using these to introduce the application of electrical and electronic systems, this text had been updated to include recent developments in technology. It avoids unnecessary mathematics and features improved teaching aids, including: worked examples; updated and graded review questions; colour diagrams and chapter summaries. It is designed for use by students on NC, HNC and HND courses in electrical and electronic engineering.

Statistical Methods for Engineers Nov 21 2021 STATISTICAL METHODS FOR ENGINEERS, 3e, International Edition offers a balanced, streamlined one-semester introduction to Engineering Statistics that emphasizes the statistical tools most needed by practicing engineers.

Electric Circuits Nov 29 2019 The fourth edition of this work continues to provide a thorough perspctive of the subject, communicated through a clear explanation of the concepts and techniques of electric circuits. This edition was developed with keen attention to the learning needs of students. It includes illustrations that have been redesigned for clarity, new problems and new worked examples. Margin notes in the text point out the option of integrating PSpice with the provided Introduction to PSpice; and an instructor's

roadmap (for instructors only) serves to classify homework problems by approach. The author has also given greater attention to the importance of circuit memory in electrical engineering, and to the role of electronics in the electrical engineering curriculum.

Fundamentals of Graphics Communication May 16 2021 Fundamentals of Graphics Communication presents a modern approach to engineering and technical graphics. It covers drawing techniques from a modern, CAD-oriented perspective, as well as a traditional perspective. The engineering design process receives special attention throughout this text, through the use of design case studies, a consistent problem-solving methodology, many real examples taken from industry, and a selection of design problems for the student to try. The text is supported by a rich assortment of supplements, including CAD workbooks, additional drawing problems, animation, tutorials, and a dynamic On-Line Learning center for students and instructors.

Electronics Mar 26 2022 This text offers undergraduate electrical and computer engineering students a traditional approach to electronic circuits, with added emphasis on design and computer-aided analysis. Written from the designer's viewpoint, it features numerous examples of open-ended design, shows how to used PSpice to evaluate electronic circuits and provides design problems. BJT and FET circuits are introduced in separate chapters. The book includes special circuits such as oscillators, wide-band amplifiers, comparators and timers, and tuned amplifiers. The notation of DC, phasors, time-varying voltages and currents is clear and uniform.

Comprehensive Inorganic Chemistry II Jun 16 2021 Comprehensive Inorganic Chemistry II reviews and examines topics of relevance to today's inorganic chemists. Covering more interdisciplinary and high impact areas, Comprehensive Inorganic Chemistry II includes biological inorganic chemistry, solid state chemistry, materials chemistry, and nanoscience. The work is designed to follow on, with a different viewpoint and format, from our 1973 work, Comprehensive Inorganic Chemistry, edited by Bailar, Emeléus, Nyholm, and Trotman-Dickenson, which has received over 2,000 citations. The new work will also complement other recent Elsevier works in this area, Comprehensive Coordination Chemistry and Comprehensive Organometallic Chemistry, to form a trio of works covering the whole of modern inorganic chemistry. Chapters are designed to provide a valuable, long-standing scientific resource for both advanced students new to an area and researchers who need further background or answers to a particular problem on the elements, their compounds, or applications. Chapters are written by teams of leading experts, under the guidance of the Volume Editors and the Editors-in-Chief. The articles are written at a level that allows undergraduate students to understand the material, while providing active researchers with a ready reference resource for information in the field. The chapters will not provide basic data on the elements, which is available from many sources (and the original work), but instead concentrate on applications of the elements and their compounds. Provides a comprehensive review which serves to put many advances in perspective and allows the reader to make connections to related fields, such as: biological inorganic chemistry, materials chemistry, solid state chemistry and nanoscience. Inorganic chemistry is rapidly developing, which brings about the need for a reference resource such as this that summarise recent developments and simultaneously provide background information. Forms the new definitive source for researchers interested in elements and their applications; completely replacing the highly cited first edition, which published in 1973.

An Introduction to Communication Systems May 28 2022

Electrical Engineering Aug 19 2021 ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for

individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- For undergraduate introductory or survey courses in electrical engineering A clear introduction to electrical engineering fundamentals Electrical Engineering: Principles and Applications, 6e helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. Circuit analysis, digital systems, electronics, and electromechanics are covered. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession. NEW: This edition is now available with MasteringEngineering, an innovative online program created to emulate the instructor's office--hour environment, guiding students through engineering concepts from Electrical Engineering with self-paced individualized coaching. 0133413985 / 9780133413984 Electrical Engineering: Principles & Applications Plus MasteringEngineering with Pearson eText -- Access Card Package Package consists of: 0133116646 / 9780133116649 Electrical Engineering: Principles & Applications 0133405621 / 9780133405620 MasteringEngineering with Pearson eText -- Standalone Access Card -- for Electrical Engineering: Principles & Applications Note: MasteringEngineering is not a self-paced technology and should only be purchased when required by an instructor.

Linear Algebra Mar 14 2021

Shortwave Listening Guidebook Aug 26 2019 Join the listeners of shortwave radio. This new edition of "Shortwave Listening Guidebook" is a ticket to the world in direct, non-technical language and helps in selecting the right shortwave radio, how reception conditions vary throughout the day and year, how to correctly operate the radio, and provides information on frequencies used by stations around the world.

Statics and Mechanics of Materials Apr 14 2021 For introductory combined Statics and Mechanics of Materials courses found in ME, CE, AE, and Engineering Mechanics departments. Statics and Mechanics of Materials provides a comprehensive and well-illustrated introduction to the theory and application of statics and mechanics of materials. The text presents a commitment to the development of student problem-solving skills and features many pedagogical aids unique to Hibbeler texts. MasteringEngineering for Statics and Mechanics of Materials is a total learning package. This innovative online program emulates the instructor's office-hour environment, guiding students through engineering concepts from Statics and Mechanics of Materials with self-paced individualized coaching. Teaching and Learning Experience This program will provide a better teaching and learning experience--for you and your students. It provides: Individualized Coaching: MasteringEngineering emulates the instructor's office-hour environment using self-paced individualized coaching. Problem Solving: A large variety of problem types stress practical, realistic situations encountered in professional practice. Visualization: The photorealistic art program is designed to help students visualize difficult concepts. Review and Student Support: A thorough end of chapter review provides students with a concise reviewing tool. Accuracy: The accuracy of the text and problem solutions has been thoroughly checked by four other parties. Note: If you

are purchasing the standalone text or electronic version, MasteringEngineering does not come automatically packaged with the text. To purchase MasteringEngineering, please visit: masteringengineering.com or you can purchase a package of the physical text + MasteringEngineering by searching the Pearson Higher Education website. MasteringEngineering is not a self-paced technology and should only be purchased when required by an instructor.

Studyguide for Electrical Engineering Oct 21 2021 Never HIGHLIGHT a Book Again Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780872893795. This item is printed on demand.

The Engineering Communication Manual Jul 26 2019 Engineering Communication Manual will serve the engineering communication and engineering design courses required for the undergraduate engineering student. Intended for the first-year engineering major as well as the student about to begin a professional career, the text addresses the writing issues and communication approaches specific to the discipline, like collaborative writing, field reporting, and poster presentations. Above all, the text asks students to synthesize elements of technical argument and to think critically about how they present content. Engineering Communication Manual's distinctive module-based format allows instructors to assign stand-alone readings and activities for the students, depending on their familiarity and experience with engineering communication and design projects. The direct format also complements the engineering student accustomed to "plug and chug" solutions. Accessible, dynamic, and full of relevant examples, Engineering Communication Manual focuses on the student as well as reflects the worldview of the engineering professions. The text will be accompanied by instructor resources like assignments, prompts, and rubrics for specific learning objects; annotated samples of student work in several genres and media; and suggestions for using the book in different courses, like first-year design m lab courses, third-year technical communication or capstone design.

Engineering Fundamentals & Problem Solving Jan 12 2021 "The book may be visualized as having three major sections. The first, encompassing the first three chapters, is an introduction to the engineering profession. Chapter 1 provides information on engineering disciplines and functions. If a formal orientation course is given separately, Chapter 1 can be simply a reading assignment and the basis for students to investigate disciplines of interest. Chapter 2 outlines the course of study and preparation for an engineering work environment. Interdisciplinary projects, teaming, and ethics are discussed. Chapter 3 is an introduction to the design process. If time permits, this material can be supplemented with case studies and your personal experiences to provide an interesting and motivating look at engineering"--

Modern Industrial Electronics Oct 09 2020 This book provides an explanation of whole-system structures and relationships rather than isolated circuits or devices. It is committed to showing how the devices of modern electronics are applied in realistic industrial applications, and makes every effort to help you reach the skill level needed for carrying out your job responsibilities. It thoroughly examines a wide variety of systems—from PLCs to industrial robots—and includes a wealth of background information regarding the economic importance and/or environmental impact of the production process involved in the system. A book for the Industrial Electronics Technician or Engineering Technologist who want current information showing how the devices of modern electronics are applied in realistic industrial applications.

Electrical Engineering Aug 31 2022 For courses in Electrical Engineering. Accessible and applicable learning in electrical engineering for introductory and non-major courses The #1

title in its market, Electrical Engineering: Principles and Applications helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. This book covers circuit analysis, digital systems, electronics, and electromechanics at a level appropriate for either electrical-engineering students in an introductory course or non-majors in a survey course. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession. The only essential prerequisites are basic physics and single-variable calculus. The 7th Edition features technology and content updates throughout the text. Also available with MasteringEngineering(tm) MasteringEngineeringis an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Interactive, self-paced tutorials provide individualized coaching to help students stay on track. With a wide range of activities available, students can actively learn, understand, and retain even the most difficult concepts. The text and MasteringEngineering work together to guide students through engineering concepts with a multi-step approach to problems. Note: You are purchasing a standalone product; MyLab(tm)& Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab & Mastering, search for: 0134712870 / 9780134712871 Electrical Engineering: Principles & Applications Plus MasteringEngineering with Pearson eText -- Access Card Package, 7/e Package consists of: 0134484142/9780134484143 Electrical Engineering: Principles & Applications 0134486978 / 9780134486970 MasteringEngineering with Pearson eText -- Standalone Access Card -- for Electrical Engineering: Principles & Applications