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# Contents

## Agribusiness

Agribusiness.....	1
-------------------	---

## Agriscience

Agribusiness.....	2
Agricultural Education .....	5
Agricultural Mechanics .....	5
Animal Science .....	8
Environmental Science .....	16
General Agriculture .....	22
General Agriscience.....	32
General Horticulture .....	39
Horticulture/Agronomy .....	45
Landscape Design .....	52
Veterinary Technology .....	55

## Applied Mathematics for Careers

Math for Automechanics .....	61
Math for Construction Trades.....	62
Math for Electronics .....	65
Math for Health Careers.....	66
Math for Plumbers.....	68
Math for Technology .....	69
Math for Welders.....	70
Technical Mathematics .....	71

## Basic Technical Training

Maths Skills .....	73
--------------------	----

## Building Trades/Construction

Blueprint Reading & Sketching .....	73
Building Codes .....	78
Carpentry .....	79
Construction Management.....	86
Electrical.....	94
Masonry .....	114
Plumbing .....	115

## CAD/Drafting/Engineering Graphics

Animation .....	120
Architectural Drafting.....	121
Design & Drafting .....	126
Engineering Graphics.....	127
Mathematics.....	129
Mechanical Drafting .....	131
Print Reading .....	133

## Construction

Blueprint Reading & Sketching .....	135
Carpentry .....	138
Construction Management.....	140
Electrical.....	145
Plumbing .....	150

## Culinary, Hospitality, Travel & Tourism

Culinary .....	153
Culinary, Hospitality .....	162
Food Service Management.....	163
Home Cooking .....	164
Hospitality.....	165
Travel & Tourism .....	171



# Contents

## Electrical Trades

Data & Voice Communication .....	172
Electrical.....	174
Electrical Theory .....	183
HVAC-R and Electricity .....	188
Industrial Electricity & Motor Control .....	191
Mathematics.....	199
National Electrical Code.....	200
Programmable Controllers .....	202
Reference.....	204
Wiring .....	207

## Electronic Technology

Applied Mathematics.....	211
Digital Electronics.....	212
Industrial Electronics/Manufacturing Technology..	213
Programmable Logic Controllers.....	217
Signal Processing .....	219
Survey of Electronics .....	220
Telecommunications .....	221

## Emergency Services

Emergency Medical Services.....	221
---------------------------------	-----

## Engineering

General Engineering .....	222
Industrial Engineering .....	223
Mechanical and Aerospace Engineering.....	223



# Contents

## Gas Services

### HVAC-R

Blueprint Reading.....	220
Cooling.....	220
Electricity & Controls.....	224
General & Comprehensive.....	226
Heating.....	230

### Industrial Technology

Machine Tool.....	234
Mechanical Technology .....	237
Process Technology.....	242

### Plumbing

Plumbing .....	246
Professional Plumbing .....	251

### Renewable Energy

Renewable Energy.....	251
-----------------------	-----

### Veterinary Technology

Veterinary Technology.....	255
----------------------------	-----

### Welding

Arc Welding.....	258
Principles/Comprehensive .....	258
Welding .....	263
Welding for Agriculture.....	266
Welding Safety .....	267



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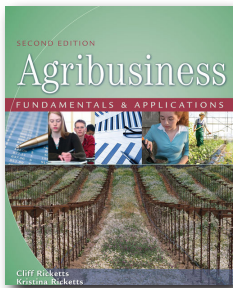
# AGRIBUSINESS

## AGRIBUSINESS

### AGRIBUSINESS FUNDAMENTALS AND APPLICATIONS, SOFT COVER, 2E

Cliff Ricketts, PhD., Middle Tennessee State University, Murfreesboro, Tennessee; Kristina G. Ricketts, PhD.

© 2018, 512pp, Paperback, 9781337904575



**Agribusiness: Fundamentals and Applications**, second edition, discusses the broad spectrum of the agribusiness world. Several chapters focus on the agricultural input sector, which are the supplies and services needed by ranchers,

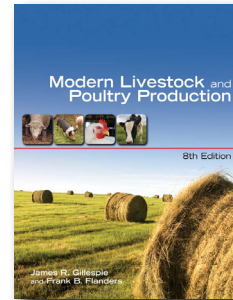
farmers, and or other production agriculturists. Some examples include the feed, seed, fertilizer, chemical, and farm machinery agribusinesses. Once basic production economics and farm management are discussed, several more chapters cover the agribusiness output sectors that include agribusinesses, which move food and fiber from the farms and ranches to the consumer. The fundamentals and applications of agribusiness are detailed showing how products go from their source to the consumer highlighting the many steps in this process. Basic principles of commodity marketing, international agriculture marketing and food and fiber processing channels are some of the topics explored in detail. Basic agricultural economic principles are discussed to assist the user to better manage an agribusiness. This book not only discusses employment opportunities, but also explains how to start-up, run and manage your own agribusiness.

### MODERN LIVESTOCK & POULTRY PRODUCTION, 8E

James R. Gillespie, Illinois State Board of Education, Springfield, Illinois; Frank Flanders, University of Georgia

© 2010, 1136pp, Hardback, 9781428318083

#### eBook



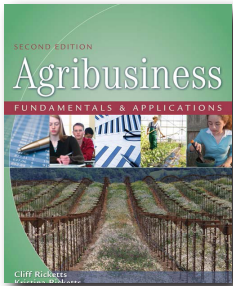
Modern Livestock and Poultry Production, 8th Edition, entices and engages readers with new, full-color photographs and illustrations, and up-to-date comprehensive agriscience and production information covering major and minor livestock and poultry animals.

## AGRIBUSINESS FUNDAMENTALS AND APPLICATIONS, 2E

Cliff Ricketts, PhD., Middle Tennessee State University, Murfreesboro, Tennessee; Kristina G. Ricketts, PhD.

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### eBook



**A g r i b u s i n e s s : F u n d a m e n t a l s a n d A p p l i c a t i o n s**, second edition, discusses the broad spectrum of the agribusiness world. Several chapters focus on the agricultural input sector, which are the supplies and services needed by ranchers,

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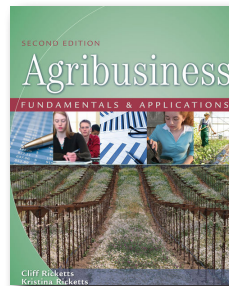
## AGRISCIENCE

### AGRIBUSINESS

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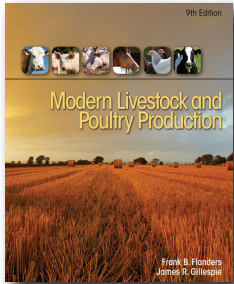
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## LAB MANUAL FOR FLANDERS' MODERN LIVESTOCK & POULTRY PRODUCTION, 9TH, 9E

*Frank Flanders, University of Georgia; James R. Gillespie,  
Illinois State Board of Education, Springfield, Illinois*

© 2016, 400pp, Paperback, 9781133283546



New to the 9th edition, the Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

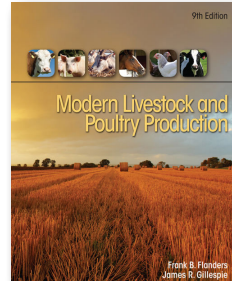
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## MODERN LIVESTOCK & POULTRY PRODUCTION, 9TH, STUDENT EDITION, 9E

*Frank Flanders, University of Georgia; James R. Gillespie,  
Illinois State Board of Education, Springfield, Illinois*

© 2016, 1152pp, Hardback, 9781133283508

### MindTap eBook



Designed to prepare you for a career in the livestock industry, the Ninth Edition of MODERN LIVESTOCK AND POULTRY PRODUCTION has been revised to include the most up-to-date, comprehensive information in the field. With coverage of basic animal

science and livestock industry information as well as current issues in animal agriculture, this engaging text covers everything you need to know about all phases and types of livestock production. Through updated visual aids, real-world applications, and comprehensive study tools, the Ninth Edition gives you a solid understand of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

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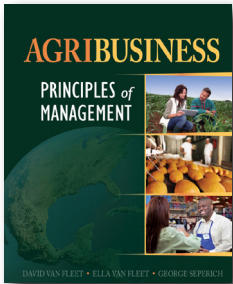
## AGRIBUSINESS

Principles of Management

*David Van Fleet, Morrison School of Management and Agribusiness, College of Technology and Innovation, Arizona State University; Ella Van Fleet, Professional Business Associates; George J. Seperich, Morrison School of Management and Agribusiness, College of Technology and Innovation, Arizona State University*

© 2014, 528pp, Hardback, 9781111544867

### eBook



Intended for all segments of agribusiness as well as non-agribusiness organizations, **AGRIBUSINESS: PRINCIPLES OF MANAGEMENT** presents the changing face of agribusiness in a format that is interesting, straightforward, and easy to

understand. This comprehensive text approaches agribusiness as a technology-oriented industry composed of organizations ranging in size from small, family-owned farms or businesses to some of the largest corporations in the world. With multiple opportunities for self-review as well as vignettes, cases, and examples in each chapter, this text shows you the real-world application of what you are learning and provides you with a solid understanding of what management is all about. Coverage of both the principles of business as well as the nuances of agribusiness gives you the unique skills you need in order to apply your knowledge and harness valuable resources.

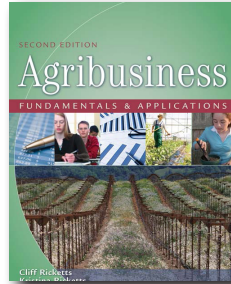
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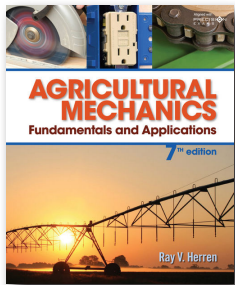
## AGRICULTURAL EDUCATION

### AGRICULTURAL MECHANICS: FUNDAMENTALS AND APPLICATIONS UPDATED, PRECISION EXAMS EDITION, 7E

*Ray V. Herren, University of Georgia, Athens (Emeritus)*

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#### MindTap



Beyond providing a thorough introduction to the field of agricultural mechanics, the Precision Exams Edition of this trusted text aligns to Precision Exams' Agricultural Systems Technology, Level 1 exam. The text covers fundamental mechanical

and engineering theory, common tools and materials, and practical applications including shop orientation and procedures, woodworking and metalworking, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures. Safety is also emphasized strongly throughout the text, and a dedicated unit introduces students to diverse career opportunities. The current edition also features new information on the National FFA Organization and SAEs, first aid, and engine powered equipment, as well as new activities and lab exercises.

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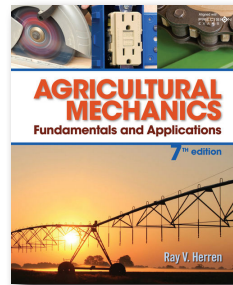
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LAB MANUAL FOR HERREN'S  
AGRICULTURAL MECHANICS:  
FUNDAMENTALS & APPLICATIONS  
UPDATED, PRECISION EXAMS  
EDITION, 7TH, 7E

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2015, 432pp, Paperback, 9781285059013



The Laboratory Manual is a valuable tool designed to enhance your lab experience. This comprehensive workbook tests students' knowledge and reinforces learning of text content. Job sheets for each unit include an objective, tools and

materials needed, and a procedure with short answer questions, procedural checklists, image labeling activities, or other activities meant to reinforce comprehension of unit content.

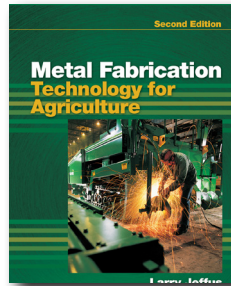
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METAL FABRICATION TECHNOLOGY  
FOR AGRICULTURE, 2E

Larry Jeffus, *Eastfield College (Emeritus)*

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**eBook**



METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E provides students with an easy-to-understand, safety-conscious introduction to agricultural welding processes and techniques. Each section of this full-color book begins by

introducing students to equipment and materials used in agricultural welding and includes complete setup instructions. The subsequent chapters in each section allow students to learn individual welding techniques in various applications and positions. METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E provides extensive coverage of brazing and specialized nonmetallic fabrication, designed to lead students step-by-step in developing the skills necessary for welding all types of agricultural machinery. Each chapter includes close up shots of actual welds and learning aids that have been proven to be effective, making this how-to and reference manual a key resource for students participating in agriculture education programs throughout the country.

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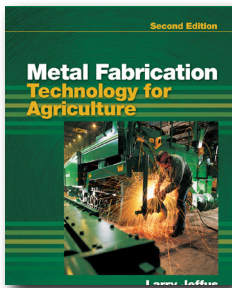


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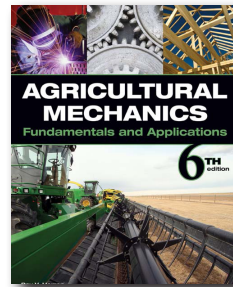
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## AGRICULTURAL MECHANICS, 6E Fundamentals & Applications

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

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### eBook



AGRICULTURAL MECHANICS: FUNDAMENTALS AND APPLICATIONS, 6th edition is designed to provide high school students with the latest concepts and applications in a wide variety of agricultural mechanics.

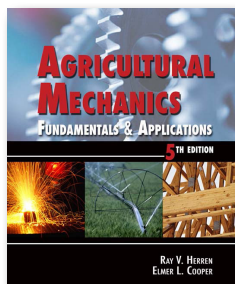
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## AGRICULTURAL MECHANICS, 5E

Fundamentals and Applications

Ray V. Herren, University of Georgia, Athens (Emeritus)

© 2006, 800pp, Hardback, 9781401859565



Agricultural Mechanics: Fundamentals & Applications continues to be the most widely used textbook for high school Agricultural Mechanics programs nationwide because of its student friendly layout and its comprehensive coverage.

Topics covered range from welding to tool identification, from diesel engine maintenance to masonry. The units are presented in a logical, easy to follow format allowing students to comprehend concepts and apply them in hands on applications. Objectives and competencies to be developed are included in each section, along with a list of new terms, a materials list, student activities, and self-evaluations. The new fifth edition has been updated throughout to address the changing technologies that help shape the world of agriculture.

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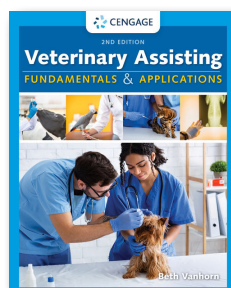
## ANIMAL SCIENCE

### VETERINARY ASSISTING FUNDAMENTALS AND APPLICATIONS, 2E

Beth Vanhorn, AS, CVT, Dauphin County Technical School, Veterinary Assistant Program; Robert Clark, PhD, Administrative Director - Dauphin County Technical School

© 2022, 896pp, Hardback, 9781305499218

### MindTap eBook



Vanhorn's VETERINARY ASSISTING: FUNDAMENTALS AND APPLICATIONS, 2ND EDITION, equips you with the knowledge and skills you need for success in real-world practice. Offering step-by-step explanations, the text begins with the

basics of veterinary medical terminology and office procedures before advancing to more advanced skills, such as anatomy, restraint, nursing care, radiology and surgical assisting. Comprehensive coverage of animal production and management includes companion, large and exotic animals, while a separate section focuses on general anatomy and physiology of each body system -- along with related disease processes. Clinical scenarios vividly illustrate exactly how chapter concepts apply on the job. Also available, the MindTap digital solution propels you from memorization to mastery with its flexible anywhere, anytime learning tools.

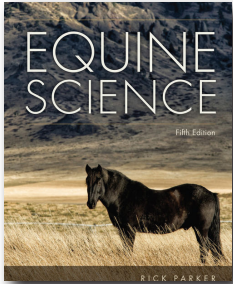
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## EQUINE SCIENCE, 5E

R.O. (Rick) Parker, Ph.D., College of Southern Idaho

© 2019, 640pp, Hardback, 9781305949720

MindTap eBook



This engaging, informative text provides a thorough introduction to equine care and management. EQUINE SCIENCE, Fifth Edition, features a full-color layout, numerous photos, and vivid illustrations that help bring chapter material to life, as well as a logical, easy-to-

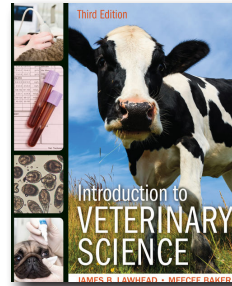
understand sequence of topics. Following an introduction to the equine industry, you'll learn about horses' unique anatomy and needs; how to care for, train, and manage horses; and key business aspects of the industry. This all-new edition also clearly connects text content to National AFNR (Agriculture, Food, and Natural Resources) Standards, key math and science concepts, and current references, helping prepare you for success in the classroom and beyond.

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## INTRODUCTION TO VETERINARY SCIENCE, SOFT COVER, 3E

MeeCee Baker; MeeCee Baker

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INTRODUCTION TO VETERINARY SCIENCE, Third Edition, provides a solid foundation in this dynamic field for those studying animal and veterinary sciences or preparing for careers as veterinary assistants or technicians. The text begins

with an overview of cellular and tissue physiology, followed by chapters dedicated to individual body systems to enable easy comprehension. The authors then investigate crucial topics such as nutrition, disease, surgeries, cost analysis of procedures, safety, and professionalism. Throughout the text, real-life examples are integrated with chapter material to provide practical context, and both small and large animals are featured to expose students to the variety of cases they may encounter in the field. Each chapter opens with a "Day in the Life" preview that explores relevant applications of upcoming content, and chapters conclude with a description of clinical significance.

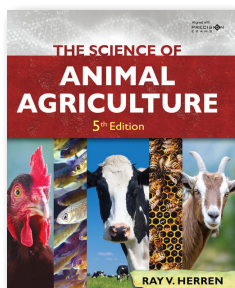
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## THE SCIENCE OF ANIMAL AGRICULTURE, 5TH, 5E

Ray V. Herren, University of Georgia, Athens (Emeritus)

© 2019, 504pp, Hardback, 9781337390866

### MindTap eBook



With up-to-date information, a highly visual presentation, and a reader-friendly writing style, this trusted text offers an ideal introduction to basic science concepts involved in the production of agricultural animals. THE SCIENCE OF ANIMAL AGRICULTURE, Fifth

Edition, explores key scientific principles while emphasizing their practical applications, clearly demonstrating the integral connections between science and agriculture. You'll learn about biological processes including reproduction, growth and development, and animal behavior, as well as production-related topics such as nutrition, disease, and the latest in animal biotechnology. The author also addresses key issues in today's agricultural industry, such as animal welfare, consumer concerns, and environmental considerations, providing further insights to prepare you for career success.

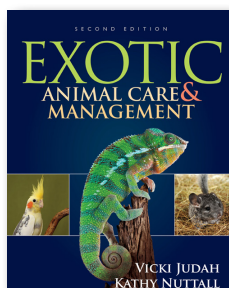
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## EXOTIC ANIMAL CARE AND MANAGEMENT, 2E

Vicki Judah; Kathy Nuttall, Jordan Applied Technology Center

© 2017, 384pp, Paperback, 9781285425085

### eBook



Focusing exclusively on the care of exotic species as pets, EXOTIC ANIMAL CARE AND MANAGEMENT, 2ND EDITION delves into the unique behaviors, diet, housing considerations, handling and restraint methods, medical concerns

and clinical procedures related to the proper management of these animals. Reader-friendly and concise, each chapter covers a specific exotic animal commonly found in veterinary practice, including small mammals, birds, reptiles, amphibians, invertebrates, alpacas and llamas, miniature pigs and backyard chickens. Also included is an overview of specific concerns and zoonotic diseases associated with exotic animals so that you are fully prepared to contribute to their care and treatment.

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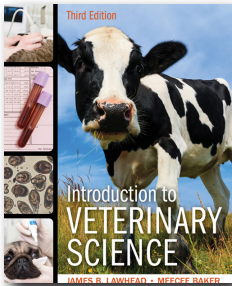


## INTRODUCTION TO VETERINARY SCIENCE, 3E

James Lawhead; MeeCee Baker

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### eBook



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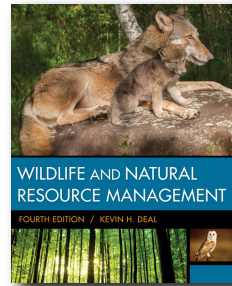
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## WILDLIFE & NATURAL RESOURCE MANAGEMENT, 4E

Kevin H. Deal, Northwest High School

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### MindTap eBook



Understand how professionals manage the natural world with WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E! From running fisheries and national parks to studying the environment and resources conservation,

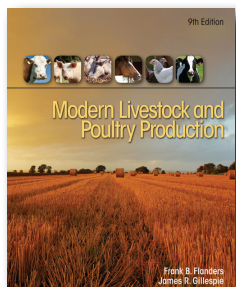
career opportunities abound in this growing field. In addition to professional perspectives, this all-new fourth edition encourages you to explore your wild side with vibrant, full-color photos and illustrations of animals, habitats, and endangered species, including ways to identify each. As our human population continues to grow, the pressure on natural resources will inevitably increase. In the past thirty years humans have come a long way in terms of managing fish and wildlife, conserving soil, and protecting the water supply, but it is up to future generations to continue that progress. WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E shows you the path to that future—and builds a greater appreciation for the natural world and its limited resources.

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## LAB MANUAL FOR FLANDERS' MODERN LIVESTOCK & POULTRY PRODUCTION, 9TH, 9E

*Frank Flanders, University of Georgia; James R. Gillespie,  
Illinois State Board of Education, Springfield, Illinois*

© 2016, 400pp, Paperback, 9781133283546



New to the 9th edition, the Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

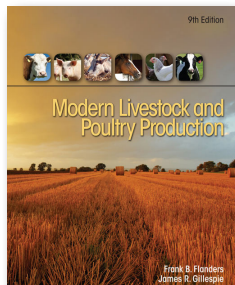
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## MODERN LIVESTOCK & POULTRY PRODUCTION, 9TH, STUDENT EDITION, 9E

*Frank Flanders, University of Georgia; James R. Gillespie,  
Illinois State Board of Education, Springfield, Illinois*

© 2016, 1152pp, Hardback, 9781133283508

### MindTap eBook



Designed to prepare you for a career in the livestock industry, the Ninth Edition of MODERN LIVESTOCK AND POULTRY PRODUCTION has been revised to include the most up-to-date, comprehensive information in the field. With coverage of basic animal

science and livestock industry information as well as current issues in animal agriculture, this engaging text covers everything you need to know about all phases and types of livestock production. Through updated visual aids, real-world applications, and comprehensive study tools, the Ninth Edition gives you a solid understand of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

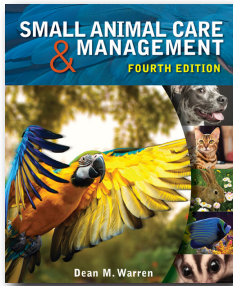
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## SMALL ANIMAL CARE AND MANAGEMENT, 4E

Dean M. Warren, *Columbia City High School (retired)*

© 2016, 656pp, Hardback, 9781285425528

### eBook



Reader-friendly and engaging, **SMALL ANIMAL CARE AND MANAGEMENT, Fourth Edition**, offers a comprehensive guide to the care and husbandry of small animals. Through a logical flow of information, it introduces you to the basics

of the small animal industry, including the history, safety concerns and care and welfare of these animals before diving into the specifics of each, with chapters covering dogs, cats, reptiles, birds, fish and exotic species. Full-color photos and illustrations visually depict various breeds and their characteristics, anatomy, handling techniques, housing and other care concerns to facilitate learning, while activities and additional resources offer the opportunity for application and further study.

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## WORKBOOK FOR WARREN'S SMALL ANIMAL CARE AND MANAGEMENT, 4TH, 4E

Dean M. Warren, *Columbia City High School (retired)*

© 2016, 288pp, Paperback, 9781285425559



The student workbook is designed to help you practice and retain key chapter content. Included within this resource are multiple -type questions to evaluate your knowledge of chapter concepts, links to online resources, case studies and additional activities.

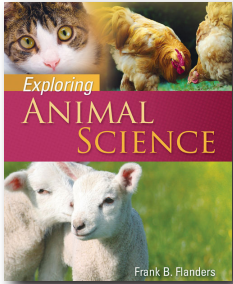
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## EXPLORING ANIMAL SCIENCE

Frank Flanders, University of Georgia

© 2012, 800pp, Hardback, 9781435439528

### eBook



EXPLORING ANIMAL SCIENCE offers educators the perfect tool for teaching animal agriculture: one that balances the academic background critical to building a strong foundation in fundamental science with the practical, production-oriented content vital to

work in the real world.

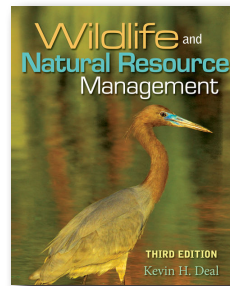
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## WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 3E

Kevin H. Deal, Northwest High School

© 2011, 464pp, Hardback, 9781435453975

### eBook



Take an in-depth look at the very complex world of wildlife, fisheries, and natural resource management with this indispensable resource that is packed with valuable learning aids like end-of-chapter student activities, a glossary of key terms, and

appendices of additional information.

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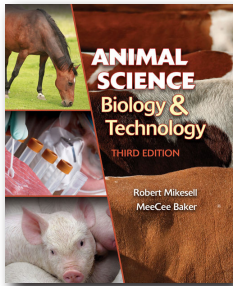


## ANIMAL SCIENCE BIOLOGY AND TECHNOLOGY, 3E

*Dr. Robert Mikesell, North Carolina State University; MeeCee Baker*

© 2011, 360pp, Hardback, 9781435486379

### eBook



Animal Science Biology and Technology, 3rd edition is a book designed for students studying animal science and will take readers from the basics of production through to evaluation, while delivering a contemporary industry overview.

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## SMALL ANIMAL CARE AND MANAGEMENT, 3E

*Dean M. Warren, Columbia City High School (retired)*

© 2010, 608pp, Hardback, 9781418041052

### eBook



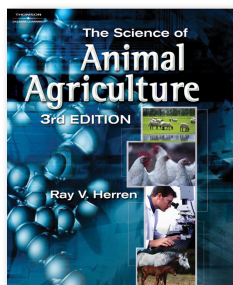
Small Animal Care and Management, 3rd Edition is a highly researched text that covers numerous species, detailed by scientific names, as well as the history and the domestication of animals including information on safety, nutrition, and careers

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## THE SCIENCE OF ANIMAL AGRICULTURE, 3E

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2007, 384pp, Hardback, 9781401870997



The Science of Animal Agriculture, third edition is designed for courses aimed at teaching science along with concepts associated with the industry of animal agriculture. This book responds to the current trends in education that promote connecting

academic theory with real world applications. Research shows that students gain a better grasp of scientific theory if the theories are taught in an application context, and this text presents the application of biological science used in producing and caring for animals. Topics such as nutrition, anatomy, genetics, entomology, pathology, and animal behavior are covered in depth. These complicated areas are presented in the context of how they are used in the animal industry, allowing the student to make a distinct correlation. Students will benefit from this science-based, animal agriculture text that makes complicated biology principles easy to grasp the context of their application.

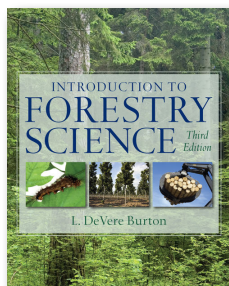
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## ENVIRONMENTAL SCIENCE

## INTRODUCTION TO FORESTRY SCIENCE, SOFT COVER, 3E

L. Devere Burton, *Ph.D. from Iowa State University*

© 2018, 544pp, Paperback, 9781337904568



Practical, easy to understand, and up-to-date, INTRODUCTION TO FORESTRY SCIENCE, Third Edition provides readers with a comprehensive overview of the principles and practices of forest management that are commonly practiced in

the United States. Appropriate for anyone interested in forestry or natural resources, this book is filled with visual aids and tools as well as career profiles which give readers an overview of what it might be like to work in the forest industry and demonstrate how concepts are applied in the real world. In addition to covering the basics of the biological processes necessary for the creation of forests, topics such as the economic impact of forests on the U.S. economy, government historical events and policies, regional differences in forests and forest management, and laws and regulations that govern the use of forests are presented.

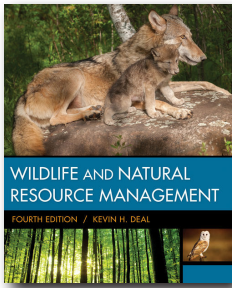
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## WILDLIFE & NATURAL RESOURCE MANAGEMENT, 4E

Kevin H. Deal, *Northwest High School*

© 2017, 384pp, Hardback, 9781305627741

MindTap eBook



Understand how professionals manage the natural world with WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E! From running fisheries and national parks to studying the environment and resources conservation,

career opportunities abound in this growing field. In addition to professional perspectives, this all-new fourth edition encourages you to explore your wild side with vibrant, full-color photos and illustrations of animals, habitats, and endangered species, including ways to identify each. As our human population continues to grow, the pressure on natural resources will inevitably increase. In the past thirty years humans have come a long way in terms of managing fish and wildlife, conserving soil, and protecting the water supply, but it is up to future generations to continue that progress. WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E shows you the path to that future—and builds a greater appreciation for the natural world and its limited resources.

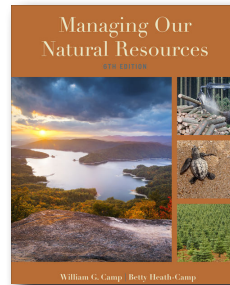
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## MANAGING OUR NATURAL RESOURCES, 6E

William G. Camp, *Virginia Polytechnic Institute and State University -- Blacksburg, Virginia*; Betty Heath-Camp, *Virginia Polytechnic Institute and State University*

© 2016, 608pp, Hardback, 9781285835075

eBook



Explore the world's natural resources and the ways professionals manage them with MANAGING OUR NATURAL RESOURCES, 6th Edition! Written for introductory agriculture courses, this book examines a broad variety of topics from forest fires and fishery

management to water purification and energy conservation. Organized into an eight-unit overview, chapters cover the must-know fundamentals of land, water, and air, forestry, fish and wildlife, and energy and mineral resources, along with the issues impacting them today. Full-color photographs, illustrations, and case studies add depth and clarity to every chapter, while appendices urge you beyond the book to websites, certification programs, and additional learning opportunities that help you develop critical thinking skills. Now available in digital formats and with a variety of supplemental learning tools, MANAGING OUR NATURAL RESOURCES, 6th Edition invites you to dig into videos, self-quizzing, software, and apps that make learning extraordinary—and fun!

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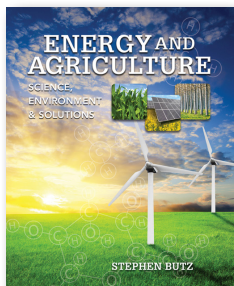
## ENERGY AND AGRICULTURE

Science, Environment, and Solutions

*Stephen Butz*

© 2015, 432pp, Hardback, 9781111541088

### eBook



As worldwide demand for energy continues to rise and conventional non-renewable resources continue to dwindle in supply, the need for new, environmentally conscious ways to meet society's energy requirements are becoming increasingly

important. ENERGY AND AGRICULTURE is designed to introduce you to the role that agriculture can play in helping to satisfy the world's energy demands. The use of agriculturally based fuel systems, also known as biofuels, as a means to supply energy to our technological society, provides environmentally safe, renewable energy options for all aspects of life, including industry, transportation, and electrical power generation. By providing a solid foundation in the energy and resources used historically combined with a look at future options toward more sustainable resources ENERGY AND AGRICULTURE provides a solid understanding of one of the most important issues of the twenty-first century.

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## ENERGY AND AGRICULTURE LAB MANUAL

*Stephen Butz*

© 2015, 64pp, Paperback, 9781111541101



The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

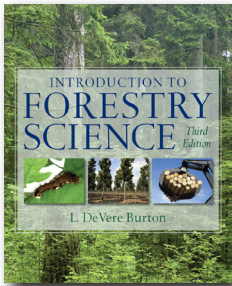
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## INTRODUCTION TO FORESTRY SCIENCE, 3E

L. Devere Burton, Ph.D. from Iowa State University

© 2013, 544pp, Hardback, 9781111308391

### eBook



Practical, easy to understand, and up-to-date, **INTRODUCTION TO FORESTRY SCIENCE, Third Edition** provides you with a comprehensive overview of the principles and practices of forest management that are common in the United

States. Appropriate for anyone interested in forestry or natural resources, this book is filled with visual aids and tools designed to make studying easier such as terms to know, objectives, forest profiles, profiles on forest safety, looking back, questions for discussion and review, and learning activities. In addition, career profiles give you an overview of what it might be like to work in the forestry industry and demonstrate how concepts are applied in the real world. Coverage includes topics such as the biological processes involved in tree growth, the economic impact of forests on the U.S. economy, forest management and safety, and laws and regulations that govern the use of forests.

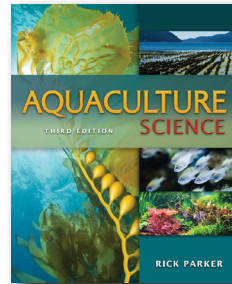
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## AQUACULTURE SCIENCE, 3E

Rick Parker, Ph.D., College of Southern Idaho, Twin Falls

© 2012, 672pp, Hardback, 9781435488120

### eBook



This comprehensive book introduces you to the aquaculture industry. Every aspect of this growing field is covered, from history of aquaculture, descriptions of aquatic plants and animals and feeding to in-depth coverage of economics, marketing, management

and diseases of aquatic animals and plants. **AQUACULTURE SCIENCE**, third edition, addresses latest production methods, species types, advances in technology, trends and statistics. The science of aquaculture, chemistry, biology, and anatomy and physiology, is stressed throughout to ensure that you understand the fundamental principles. A complete chapter offers detailed information on career opportunities in the aquaculture industry.

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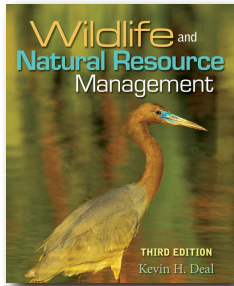


## WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 3E

Kevin H. Deal, Northwest High School

© 2011, 464pp, Hardback, 9781435453975

### eBook



Take an in-depth look at the very complex world of wildlife, fisheries, and natural resource management with this indispensable resource that is packed with valuable learning aids like end-of-chapter student activities, a glossary of key terms, and

appendices of additional information.

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## FISH & WILDLIFE, 3E

Principles of Zoology and Ecology

L. DeVere Burton, Idaho State University

© 2010, 416pp, Hardback, 9781435419636

### eBook



FISH & WILDLIFE, PRINCIPLES OF ZOOLOGY AND ECOLOGY, 3rd Edition, provides a broad-spectrum overview, for high school students, of the wild animals of North America and the environments they live in, including basic principles of

science as they apply to wild animals and the habitats they occupy. Fish & Wildlife, Principles of Zoology and Ecology, 3rd Edition, contents includes chapters that detail zoology and ecology basics; zoology and ecology of mammals, birds, fishes, reptiles, and amphibians; and conservation and management of wildlife resources.

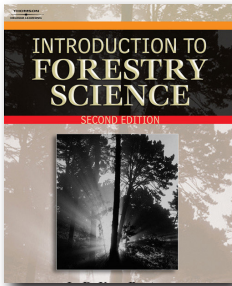
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## INTRODUCTION TO FORESTRY SCIENCE, 2E

*L. Devere Burton, Ph.D. from Iowa State University*

© 2008, 512pp, Hardback, 9781418030872

### eBook



Introduction to Forestry Science, Second Edition, is an introductory forestry book that covers the principles and practices of forest management that are commonly practiced in the United States. Processing of wood and forest products is an important unit that

points out the economic impact of forests on the U.S. economy. A complete chapter focuses on government historical events and policies that have influenced forest management practices since North America was colonized. Attention is given to regional differences in forests and forest management. Laws and regulations that govern the use of forests are also addressed. This text follows an applied science approach that integrates science principles with forestry practices. Science topics are woven throughout, and reinforced through the student's need to know feature. Topics covered include cell structure and function, cell growth and reproduction, elemental cycles, principles of ecology, the food pyramid, plant anatomy and physiology, entomology, water quality, air quality and preservation of endangered species. In addition, career options related to forests and forest management are explored. Other features include terms for understanding, student-learning objectives, chapter summaries, review questions, learning activities, and profiles on events and issues related to forests and science.

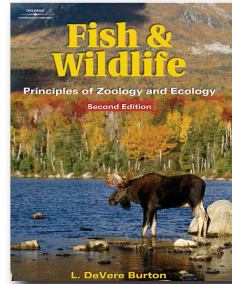
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## FISH & WILDLIFE, 2E

Principles of Zoology & Ecology

*Burton*

© 2003, 480pp, Hardback, 9780766832602



Fish and Wildlife: Principles of Zoology and Ecology, 2E enlightens readers to the principles of biology in the context of how science relates to the survival of fish and wildlife. Captivating and informative, the book seamlessly integrates the principles of zoology and

ecology with the lives of different kinds of wild animals that inhabit North America. It gives descriptions of the lives, structures, growth, and classification of species in their natural habitats, and raises critical thinking questions to initiate the steps taken in the process of scientific discovery. The book helps readers appreciate how each animal is adapted to its environment and highlights ways that humans and animals can reduce competition for resources that are needed by both. Whether for high school classes, local agriculture programs, or as a reference work, Fish and Wildlife: Principles of Zoology and Ecology, 2E presents the enjoyment and wonder of our animal world.

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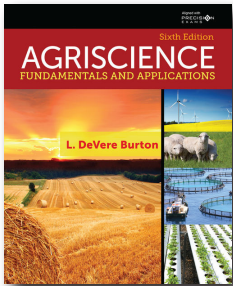
## GENERAL AGRICULTURE

### AGRISCIENCE FUNDAMENTALS AND APPLICATIONS UPDATED, PRECISION EXAMS EDITION, 6E

L. DeVere Burton, Idaho State University

© 2019, 896pp, Hardback, 9780357020425

MindTap eBook



In addition to providing a comprehensive overview of the agricultural industry and industry-based sciences, the Precision Exams Edition of Burton's *AGRISCIENCE: FUNDAMENTALS AND APPLICATIONS*, Sixth Edition, aligns to Precision Exams' Agricultural Science

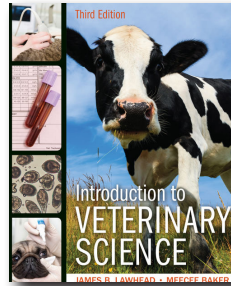
exam. The text covers essential topics such as agriscience in the information age, natural resources, integrated pest management, plant science, animal science, food science, and communication and management, giving students with a solid foundation in the basic principles and practices of agriscience. The Precision Exams Edition also features new information related to the National FFA Organization and selecting and planning an SAE; how math, science, and social studies relate to agriscience; current technologies used in the industry; career opportunities; and advice for professional success and business ownership.

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### INTRODUCTION TO VETERINARY SCIENCE, SOFT COVER, 3E

MeeCee Baker; MeeCee Baker

© 2019, 448pp, Paperback, 9781337904650



*INTRODUCTION TO VETERINARY SCIENCE*, Third Edition, provides a solid foundation in this dynamic field for those studying animal and veterinary sciences or preparing for careers as veterinary assistants or technicians. The text begins

with an overview of cellular and tissue physiology, followed by chapters dedicated to individual body systems to enable easy comprehension. The authors then investigate crucial topics such as nutrition, disease, surgeries, cost analysis of procedures, safety, and professionalism. Throughout the text, real-life examples are integrated with chapter material to provide practical context, and both small and large animals are featured to expose students to the variety of cases they may encounter in the field. Each chapter opens with a "Day in the Life" preview that explores relevant applications of upcoming content, and chapters conclude with a description of clinical significance.

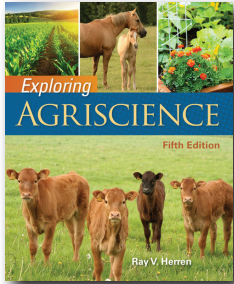
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## EXPLORING AGRISCIENCE, 5E

*Dr. Ray V. Herren, University of Georgia, Athens (Emeritus)*

© 2018, 608pp, Hardback, 9781305949706

MindTap eBook



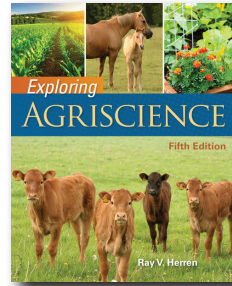
Discover the exciting world of agriculture through **E X P L O R I N G AGRISCIENCE**, Fifth Edition, the resource that continues to inspire and inform middle school students across the nation. The new, updated Fifth Edition of this respected

text combines a strong grounding in fundamentals with information on the latest advances in the field and current opportunities in agricultural education programs. This comprehensive guide will open your eyes to all agriscience has to offer, including soil, plants, and row crops; floriculture, forest science, and landscaping; livestock, dairy, and poultry industries; aquaculture and companion animals; hand tools; small engine operation; and more. In addition, information on topics such as organic agriculture, biofuels, and biotechnology—and an all-new chapter on urban agriculture—introduces you to the trends and developments shaping the industry today, as well as promising initiatives for the future.

## LAB MANUAL FOR HERREN'S EXPLORING AGRISCIENCE, 5TH, 5E

*Dr. Ray V. Herren, University of Georgia, Athens (Emeritus)*

© 2018, Paperback, 9781305949836

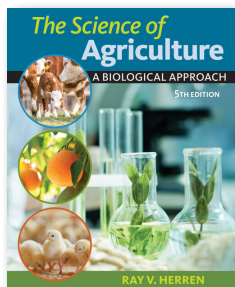


Revised for the current text edition, the Lab Manual for Herren's **EXPLORING AGRISCIENCE**, Fifth Edition, includes plenty of fun, hands-on experiments that help demonstrate what you are learning in your textbook.

## LAB MANUAL FOR HERREN'S THE SCIENCE OF AGRICULTURE: A BIOLOGICAL APPROACH, 5TH, 5E

Ray V. Herren, University of Georgia, Athens (Emeritus)

© 2018, Paperback, 9781337271592



Thoroughly revised, the Laboratory Manual for Herren's THE SCIENCE OF AGRICULTURE: A BIOLOGICAL APPROACH, Fifth Edition, provides engaging exercises, thought-provoking questions, and supporting information for hands-on

application experiences in the lab environment.

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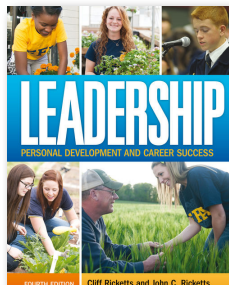
## LEADERSHIP, 4E

Personal Development and Career Success

Cliff Ricketts, Middle Tennessee State University, Murfreesboro, Tennessee; John C. Ricketts, Tennessee State University

© 2018, 720pp, Hardback, 9781305953819

### eBook



If your goals include a successful career in agriculture--and a leadership role in tomorrow's food, fiber, or natural resources fields--this is the ideal resource for you. LEADERSHIP: PERSONAL DEVELOPMENT AND CAREER SUCCESS,

Fourth Edition, explores the leadership skills that are most important in agricultural industries, helping you define and reinforce your strongest traits while developing the skills you need to succeed. Written in an engaging, reader-friendly style, the text covers public speaking, Future Farmers of America (FFA) parliamentary procedure, group dynamics, interpersonal skills, and workplace readiness, as well as basic English language, communication, and higher-order thinking concepts. The authors draw on decades of family farming and agricultural education experience to offer practical guidance on topics like budgeting, financial management, and investing, and they've included clear learning objectives and engaging activities to help you master the material and hone your skills.

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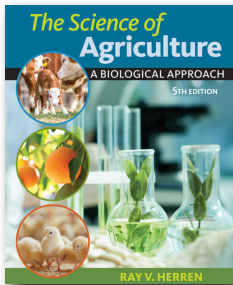


## THE SCIENCE OF AGRICULTURE, 5E A Biological Approach

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2018, 736pp, Hardback, 9781337271585

MindTap eBook



THE SCIENCE OF AGRICULTURE: A BIOLOGICAL APPROACH, Fifth Edition, masterfully introduces the biological sciences and explores the influences of these sciences on modern agricultural practices and the agricultural industry. Reader-friendly

and superbly illustrated, this highly practical text explains not only the “how” of agriculture, but also the “why” behind agriscience, presenting information on plant and animal systems, soils, cell functions, genetics, genetic engineering, plant and animal reproduction, entomology, biotechnology, and environmental concerns. Additionally, the text spotlights career opportunities and discusses new directions in agriculture, including topics such as no-till crops, high-pressure processing in food preservation, fracking, and more, to further engage you with today’s agricultural world.

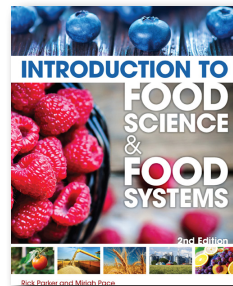
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## INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2E

Rick Parker, Ph.D., *College of Southern Idaho, Twin Falls;*  
Miriah Pace, *National Agricultural Institute*

© 2017, 640pp, Hardback, 9781435489394

MindTap eBook



INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition explores the foundations of the food industry, from nutrition and chemistry to processing and safety, and delves into some of the most pressing foodborne issues of our day. As the

world grapples with critical issues such as hunger and GMOs, opportunities abound in agriculture and food science careers, and INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition gives you the knowledge and skills required for success. Laced with full-color images, drawings, charts, and graphs, chapters deliver the latest information on genetically engineered foods, environmental concerns and sustainability, food needs of the world, the impacts of food on health, and more. INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition also tests your understanding of concepts with practical, hands-on activities in math, science and other key areas. Written with your future in mind, readings also correlate with National Agricultural Education Standards and FFA Career Development Events (CDEs) to prepare you for a meaningful career in today’s agriscience industry.

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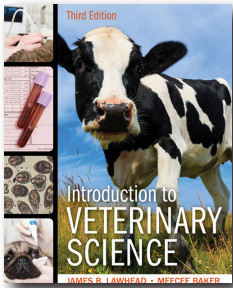


## INTRODUCTION TO VETERINARY SCIENCE, 3E

James Lawhead; MeeCee Baker

© 2017, 448pp, Hardback, 9781111542795

### eBook



INTRODUCTION TO VETERINARY SCIENCE, Third Edition, provides a solid foundation in this dynamic field for those studying animal and veterinary sciences or preparing for careers as veterinary assistants or technicians. The text begins

with an overview of cellular and tissue physiology, followed by chapters dedicated to individual body systems to enable easy comprehension. The authors then investigate crucial topics such as nutrition, disease, surgeries, cost analysis of procedures, safety, and professionalism. Throughout the text, real-life examples are integrated with chapter material to provide practical context, and both small and large animals are featured to expose students to the variety of cases they may encounter in the field. Each chapter opens with a “Day in the Life” preview that explores relevant applications of upcoming content, and chapters conclude with a description of clinical significance.

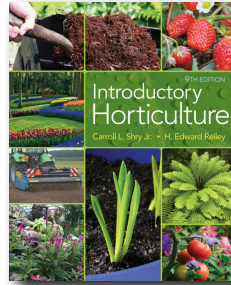
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## INTRODUCTORY HORTICULTURE, 9E

Carroll Shry, Brandywine Landscaping; H. Edward Reiley

© 2017, 800pp, Hardback, 9781285424729

### MindTap eBook



Providing the most up-to-date coverage of basic principles and methods of practical application, **INTRODUCTORY HORTICULTURE, 9e**, offers many avenues to explore the horticulture field and remain on the cutting-edge of the industry.

Extremely student friendly, the text fully engages you within the learning experience through vivid imagery, a variety of activities, step-by-step procedures, and additional resources encouraging further exploration. The Ninth Edition emphasizes organic and sustainable farming methods, introduces new and emerging technology, and focuses on organizations and career development paths relevant to budding horticulturists. Through extensive full-color visuals, current information, and engaging activities, this all-new edition ensures success within a horticulture course - and well beyond.

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## LAB MANUAL FOR SHRY/REILEY'S INTRODUCTORY HORTICULTURE, 9TH, 9E

*Carroll Shry, Brandywine Landscaping; H. Edward Reiley*

© 2017, 432pp, Paperback, 9781285424750



Featuring new exercises related to tomato grafting, designing gardens, the safe operation of power equipment, and utilizing apps as horticultural tools, the NINTH EDITION of the LAB MANUAL TO ACCOMPANY

INTRODUCTORY HORTICULTURE contains a variety of hands-on activities to help you retain and apply key concepts and information presented in the text.

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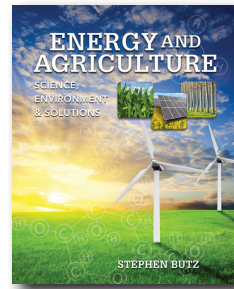
## ENERGY AND AGRICULTURE

Science, Environment, and Solutions

*Stephen Butz*

© 2015, 432pp, Hardback, 9781111541088

**eBook**



As worldwide demand for energy continues to rise and conventional non-renewable resources continue to dwindle in supply, the need for new, environmentally conscious ways to meet society's energy requirements are becoming increasingly

important. ENERGY AND AGRICULTURE is designed to introduce you to the role that agriculture can play in helping to satisfy the world's energy demands. The use of agriculturally based fuel systems, also known as biofuels, as a means to supply energy to our technological society, provides environmentally safe, renewable energy options for all aspects of life, including industry, transportation, and electrical power generation. By providing a solid foundation in the energy and resources used historically combined with a look at future options toward more sustainable resources ENERGY AND AGRICULTURE provides a solid understanding of one of the most important issues of the twenty-first century.

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## ENERGY AND AGRICULTURE LAB MANUAL

Stephen Butz

© 2015, 64pp, Paperback, 9781111541101



The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

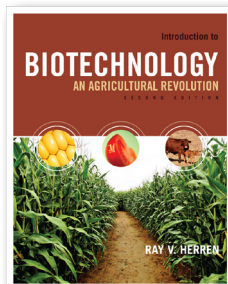
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## INTRODUCTION TO BIOTECHNOLOGY, 2E

Ray V. Herren, University of Georgia, Athens (Emeritus)

© 2013, 432pp, Hardback, 9781435498372

### eBook



INTRODUCTION TO BIOTECHNOLOGY: AN AGRICULTURAL REVOLUTION offers a thorough introduction to biotechnology and the ways it has revolutionized modern agriculture. This newly updated text provides a solid grounding in core

biotechnology concepts, as well as information on cutting-edge science and technology and their applications in real-world agriculture, medicine, and health care. The text's in-depth coverage includes essential topics such as cell functions, genetics, biotechnology applications, and biotech careers, as well as a thoughtful and balanced examination of controversial issues such as genetic engineering, genetically modified organisms, cloning, and potential dangers to humans and the environment. Building on the text's proven strengths, the Second Edition features a stronger emphasis on the science and math of biotechnology, updated content to reflect the latest trends and technology, and new lab exercises to reinforce key concepts and help you master the tools and techniques they will need to succeed in biotech careers.

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## LAB MANUAL FOR HERREN'S INTRODUCTION TO BIOTECHNOLOGY, 2ND, 2E

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2013, 64pp, Paperback, 9781133130697



The Laboratory Manual is a valuable tool designed to enhance your lab experience and give you an opportunity to experience hands-on the materials covered in the core text. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are found in the Lab Manual.

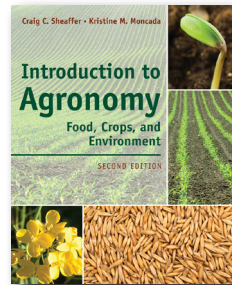
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## INTRODUCTION TO AGRONOMY, 2E Food, Crops, and Environment

Craig C. Sheaffer, *University of Minnesota*; Kristine M. Moncada, *University of Minnesota*

© 2012, 608pp, Hardback, 9781111312336

### eBook



This full-color introduction to agronomy and crop science offers both traditional agricultural students and students with non agricultural backgrounds a timely look at the principles of crop science, sustainable agriculture, and a host of related societal issues. A must-read text for anyone interested in what are arguably the most profoundly important issues of our time, INTRODUCTION TO AGRONOMY, second edition addresses the basics of safe and sustainable food and fiber production as well as big picture topics such as energy, ecology, and environmental quality. Throughout the text, readers will find information and illustrations on the latest agricultural methods, regulations, and practices--and how each is impacting our society and each individual within it.

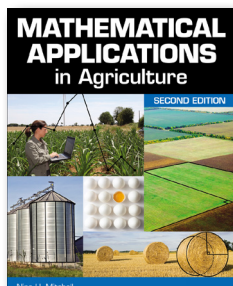
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## MATHEMATICAL APPLICATIONS IN AGRICULTURE, 2E

*Nina H. Mitchell*

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Get the specialized math skills you need to be successful in today's farming industry with **MATHEMATICAL APPLICATIONS IN AGRICULTURE**, 2nd Edition. Invaluable in any area of agriculture—from livestock and dairy

production to horticulture and agronomy—the text helps you solve problems you will encounter in the field using math and logic skills. Clearly written and thoughtfully organized, the text includes many helpful features, such as line drawings, charts, graphs, case studies, examples, sample problems, and more to master your mathematical skills.

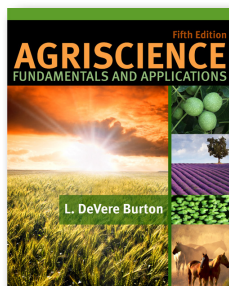
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## AGRISCIENCE FUNDAMENTALS AND APPLICATIONS, 5E

*L. DeVere Burton, Idaho State University*

© 2010, 848pp, Hardback, 9781435419667

### eBook

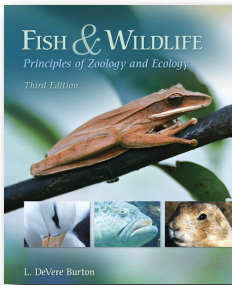


Agriscience Fundamentals and Applications, 5th edition is an introductory applied science textbook intended for use in high school agriculture programs.

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**FISH & WILDLIFE, 3E**  
 Principles of Zoology and Ecology  
*L. DeVere Burton, Idaho State University*  
 © 2010, 416pp, Hardback, 9781435419636

**eBook**

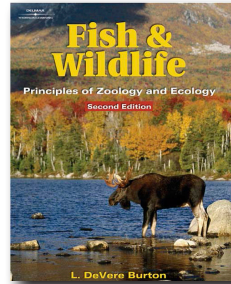


**FISH & WILDLIFE, PRINCIPLES OF ZOOLOGY AND ECOLOGY, 3rd Edition**, provides a broad-spectrum overview, for high school students, of the wild animals of North America and the environments they live in, including basic principles of

science as they apply to wild animals and the habitats they occupy. *Fish & Wildlife, Principles of Zoology and Ecology, 3rd Edition*, contents includes chapters that detail zoology and ecology basics; zoology and ecology of mammals, birds, fishes, reptiles, and amphibians; and conservation and management of wildlife resources.

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**FISH & WILDLIFE, 2E**  
 Principles of Zoology & Ecology  
*Burton*  
 © 2003, 480pp, Hardback, 9780766832602



*Fish and Wildlife: Principles of Zoology and Ecology, 2E* enlightens readers to the principles of biology in the context of how science relates to the survival of fish and wildlife. Captivating and informative, the book seamlessly integrates the principles of zoology and

ecology with the lives of different kinds of wild animals that inhabit North America. It gives descriptions of the lives, structures, growth, and classification of species in their natural habitats, and raises critical thinking questions to initiate the steps taken in the process of scientific discovery. The book helps readers appreciate how each animal is adapted to its environment and highlights ways that humans and animals can reduce competition for resources that are needed by both. Whether for high school classes, local agriculture programs, or as a reference work, *Fish and Wildlife: Principles of Zoology and Ecology, 2E* presents the enjoyment and wonder of our animal world.

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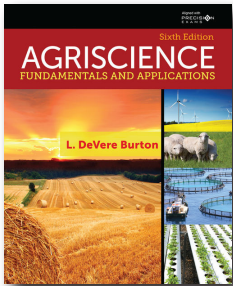
## GENERAL AGRISCIENCE

### AGRISCIENCE FUNDAMENTALS AND APPLICATIONS UPDATED, PRECISION EXAMS EDITION, 6E

L. DeVere Burton, Idaho State University

© 2019, 896pp, Hardback, 9780357020425

#### MindTap eBook



In addition to providing a comprehensive overview of the agricultural industry and industry-based sciences, the Precision Exams Edition of Burton's *AGRISCIENCE: FUNDAMENTALS AND APPLICATIONS*, Sixth Edition, aligns to Precision Exams' Agricultural Science

exam. The text covers essential topics such as agriscience in the information age, natural resources, integrated pest management, plant science, animal science, food science, and communication and management, giving students with a solid foundation in the basic principles and practices of agriscience. The Precision Exams Edition also features new information related to the National FFA Organization and selecting and planning an SAE; how math, science, and social studies relate to agriscience; current technologies used in the industry; career opportunities; and advice for professional success and business ownership.

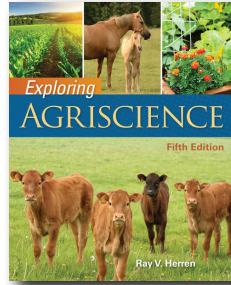
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### EXPLORING AGRISCIENCE, 5E

Dr. Ray V. Herren, University of Georgia, Athens (Emeritus)

© 2018, 608pp, Hardback, 9781305949706

#### MindTap eBook



Discover the exciting world of agriculture through *EXPLORING AGRISCIENCE*, Fifth Edition, the resource that continues to inspire and inform middle school students across the nation. The new, updated Fifth Edition of this respected

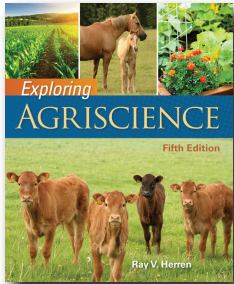
text combines a strong grounding in fundamentals with information on the latest advances in the field and current opportunities in agricultural education programs. This comprehensive guide will open your eyes to all agriscience has to offer, including soil, plants, and row crops; floriculture, forest science, and landscaping; livestock, dairy, and poultry industries; aquaculture and companion animals; hand tools; small engine operation; and more. In addition, information on topics such as organic agriculture, biofuels, and biotechnology—and an all-new chapter on urban agriculture—introduces you to the trends and developments shaping the industry today, as well as promising initiatives for the future.

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## LAB MANUAL FOR HERREN'S EXPLORING AGRISCIENCE, 5TH, 5E

Dr. Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2018, Paperback, 9781305949836



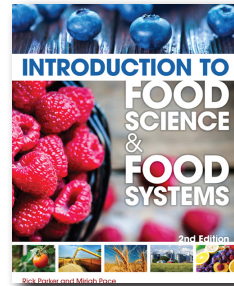
Revised for the current text edition, the Lab Manual for Herren's EXPLORING AGRISCIENCE, Fifth Edition, includes plenty of fun, hands-on experiments that help demonstrate what you are learning in your textbook.

## INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2E

Rick Parker, Ph.D., *College of Southern Idaho, Twin Falls;*  
Miriah Pace, *National Agricultural Institute*

© 2017, 640pp, Hardback, 9781435489394

### MindTap eBook



INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition explores the foundations of the food industry, from nutrition and chemistry to processing and safety, and delves into some of the most pressing foodborne issues of our day. As the

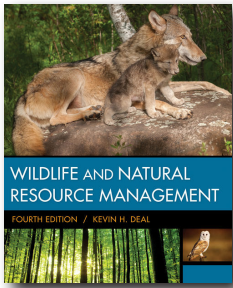
world grapples with critical issues such as hunger and GMOs, opportunities abound in agriculture and food science careers, and INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition gives you the knowledge and skills required for success. Laced with full-color images, drawings, charts, and graphs, chapters deliver the latest information on genetically engineered foods, environmental concerns and sustainability, food needs of the world, the impacts of food on health, and more. INTRODUCTION TO FOOD SCIENCE AND FOOD SYSTEMS, 2nd Edition also tests your understanding of concepts with practical, hands-on activities in math, science and other key areas. Written with your future in mind, readings also correlate with National Agricultural Education Standards and FFA Career Development Events (CDEs) to prepare you for a meaningful career in today's agriscience industry.

## WILDLIFE & NATURAL RESOURCE MANAGEMENT, 4E

Kevin H. Deal, Northwest High School

© 2017, 384pp, Hardback, 9781305627741

### MindTap eBook



Understand how professionals manage the natural world with WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E! From running fisheries and national parks to studying the environment and resources conservation,

career opportunities abound in this growing field. In addition to professional perspectives, this all-new fourth edition encourages you to explore your wild side with vibrant, full-color photos and illustrations of animals, habitats, and endangered species, including ways to identify each. As our human population continues to grow, the pressure on natural resources will inevitably increase. In the past thirty years humans have come a long way in terms of managing fish and wildlife, conserving soil, and protecting the water supply, but it is up to future generations to continue that progress. WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 4E shows you the path to that future—and builds a greater appreciation for the natural world and its limited resources.

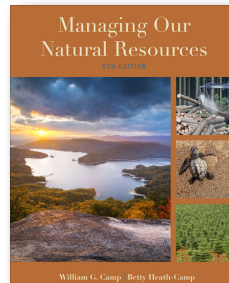
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## MANAGING OUR NATURAL RESOURCES, 6E

William G. Camp, Virginia Polytechnic Institute and State University -- Blacksburg, Virginia; Betty Heath-Camp, Virginia Polytechnic Institute and State University

© 2016, 608pp, Hardback, 9781285835075

### eBook



Explore the world's natural resources and the ways professionals manage them with MANAGING OUR NATURAL RESOURCES, 6th Edition! Written for introductory agriculture courses, this book examines a broad variety of topics from forest fires and fishery

management to water purification and energy conservation. Organized into an eight-unit overview, chapters cover the must-know fundamentals of land, water, and air, forestry, fish and wildlife, and energy and mineral resources, along with the issues impacting them today. Full-color photographs, illustrations, and case studies add depth and clarity to every chapter, while appendices urge you beyond the book to websites, certification programs, and additional learning opportunities that help you develop critical thinking skills. Now available in digital formats and with a variety of supplemental learning tools, MANAGING OUR NATURAL RESOURCES, 6th Edition invites you to dig into videos, self-quizzing, software, and apps that make learning extraordinary—and fun!

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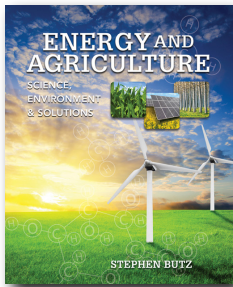
## ENERGY AND AGRICULTURE

Science, Environment, and Solutions

*Stephen Butz*

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## ENERGY AND AGRICULTURE LAB MANUAL

*Stephen Butz*

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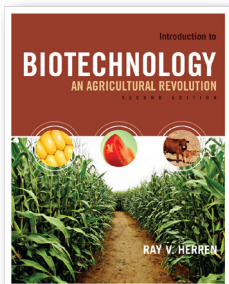
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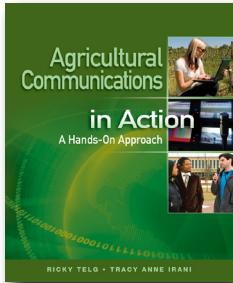
## AGRICULTURAL COMMUNICATIONS IN ACTION

A Hands-On Approach

*Ricky Telg, University of Florida; Tracy Anne Irani, University of Florida*

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### eBook



Packed with real-life illustrations and practical applications, **AGRICULTURAL COMMUNICATIONS IN ACTION: A HANDS-ON APPROACH** helps you become an effective communicator. Focusing specifically on skills-building and communication concepts, this exciting First Edition helps you understand the broad methods utilized in communication--whether it be in journalism, through social media, or in other outlets. With the text's breadth and depth of coverage, you can quickly learn communications development concepts and then immediately put them into action in agricultural applications through the text's many exercises. Current communication trends are integrated throughout this practical, "how-to" text. It also includes insight from real professionals in various agriculture-related industries, giving you an up close view of how they tackle communication issues and problems.

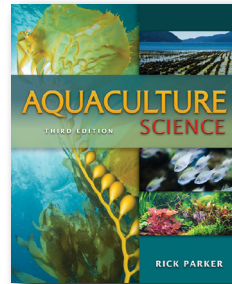
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## AQUACULTURE SCIENCE, 3E

*Rick Parker, Ph.D., College of Southern Idaho, Twin Falls*

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This comprehensive book introduces you to the aquaculture industry. Every aspect of this growing field is covered, from history of aquaculture, descriptions of aquatic plants and animals and feeding to in-depth coverage of economics, marketing, management and diseases of aquatic animals and plants. **AQUACULTURE SCIENCE**, third edition, addresses latest production methods, species types, advances in technology, trends and statistics. The science of aquaculture, chemistry, biology, and anatomy and physiology, is stressed throughout to ensure that you understand the fundamental principles. A complete chapter offers detailed information on career opportunities in the aquaculture industry.

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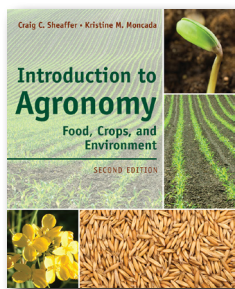
## INTRODUCTION TO AGRONOMY, 2E

Food, Crops, and Environment

*Craig C. Sheaffer, University of Minnesota; Kristine M. Moncada, University of Minnesota*

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### eBook



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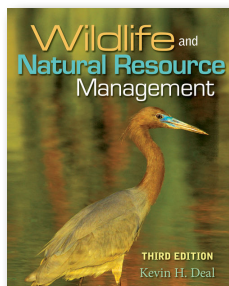
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## WILDLIFE AND NATURAL RESOURCE MANAGEMENT, 3E

*Kevin H. Deal, Northwest High School*

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Take an in-depth look at the very complex world of wildlife, fisheries, and natural resource management with this indispensable resource that is packed with valuable learning aids like end-of-chapter student activities, a glossary of key terms, and

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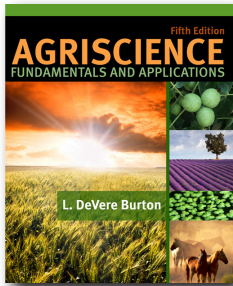
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## AGRISCIENCE FUNDAMENTALS AND APPLICATIONS, 5E

L. DeVere Burton, Idaho State University

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### eBook



Agriscience Fundamentals and Applications, 5th edition is an introductory applied science textbook intended for use in high school agriculture programs.

## GENERAL HORTICULTURE

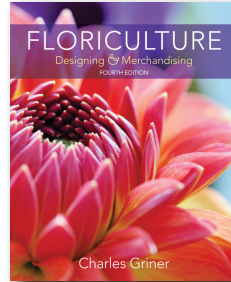
### FLORICULTURE, 4E

Designing & Merchandising

Dr. Charles P. Griner, Colquitt County H.S., Moultrie, GA

© 2019, 448pp, Hardback, 9781337390705

### MindTap eBook



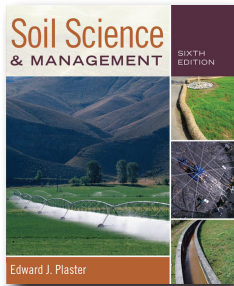
Master the basics of constructing floral arrangements and explore your creativity with this engaging, reader-friendly text. FLORICULTURE: DESIGNING AND MERCHANDISING, Fourth Edition, provides a comprehensive introduction

to the floral design industry and includes step-by-step instructions--complete with high-quality images and detailed material lists--for a wide range of floral design projects. Projects are built around low-cost materials to help you avoid breaking the budget, but the author also offers insights related to alternate materials you're likely to find in a typical floral shop today.

## SOIL SCIENCE AND MANAGEMENT, SOFT COVER, 6E

*Edward Plaster, Dakota County Technical College, MN*

© 2018, 544pp, Paperback, 9781337904599



Gain a practical understanding of soil properties and the soil management techniques most important for the effective use of soils with **SOIL SCIENCE AND MANAGEMENT, 6E**. This non-technical, reader-friendly book details all

aspects of effective soil usage, including management techniques, composition, fertility, erosion, conservation, and irrigation in this practical guide. This edition highlights horticultural uses of soil as well as the latest green methodologies in both agricultural and horticultural practice from the perspective of farmers, horticulturalists, environmentalists and others who are concerned about how soils work and how they can be used most effectively. This edition further examines nutrient management and best practices with the latest updates on legal issues and government programs that make it a useful resource now and invaluable reference for the future.

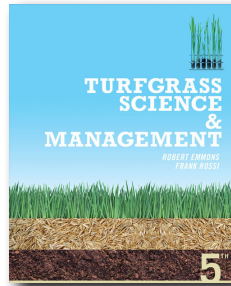
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## TURFGRASS SCIENCE AND MANAGEMENT, 5E

*Robert Emmons, State University of New York, Cobleskill;  
Frank Rossi, Ph.D., Cornell University*

© 2016, 608pp, Hardback, 9781111542573

### eBook



Featuring green environmental practices and current information from recognized leaders in the field, the fifth edition of **TURFGRASS SCIENCE AND MANAGEMENT** invites you into the thriving turfgrass industry. Designed for both aspiring and

practicing turfgrass managers, the book explains the science behind plant growth and soil properties and how to evaluate, establish and maintain a variety of green spaces, including golf courses, athletic fields, and landscaped lawns. In addition, **TURFGRASS SCIENCE AND MANAGEMENT** offers a review of critical math skills, an inside look at careers opportunities, and practical advice on effective business management practices to help prepare you for success!

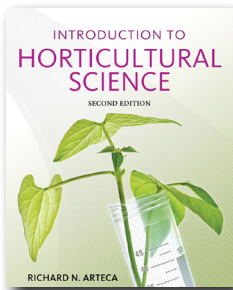
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## INTRODUCTION TO HORTICULTURAL SCIENCE, 2E

Richard N. Arteca, *The Pennsylvania State University*

© 2015, 576pp, Hardback, 9781111312794

### eBook



Ideal for any introductory course in horticulture science, the Second Edition of *INTRODUCTION TO HORTICULTURAL SCIENCE* covers everything you need to know in a comprehensive format that is easy to understand. With topics ranging from gene

jockeying to flower arranging, this text provides you with a full appreciation of the wonderful world of horticultural science. Coverage includes critical topics such as fundamental concepts, cutting edge research, careers in horticulture, the relationship between horticulture and the environment, classification of plants, and plant anatomy. You are also introduced to key concepts such as plant propagation, media, nutrients and fertilizers, plants and the environment, plant growth regulators, post harvest physiology and pest management, greenhouse structures, nursery site selection, development and facilities, producing nursery crops, and floral design. Through enhanced visual aids and the inclusion of recent trends in the field, the second edition has been designed to peak your interest and improve your understanding.

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## LAB MANUAL FOR PLASTER'S SOIL SCIENCE AND MANAGEMENT, 5TH, 6E

Edward Plaster, *Dakota County Technical College, MN*

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The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

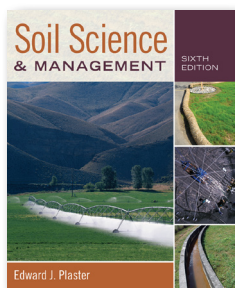
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Edward Plaster, *Dakota County Technical College, MN*

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### eBook



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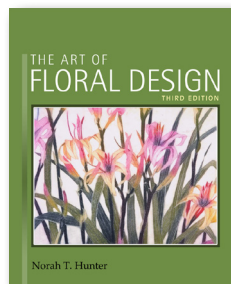
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Norah T. Hunter

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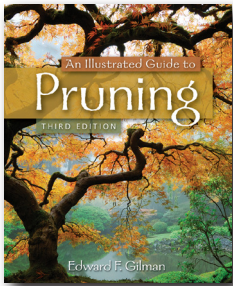
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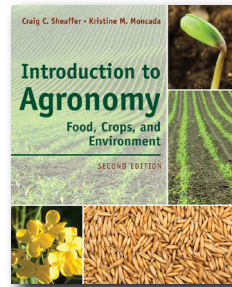
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Craig C. Sheaffer, University of Minnesota; Kristine M. Moncada, University of Minnesota

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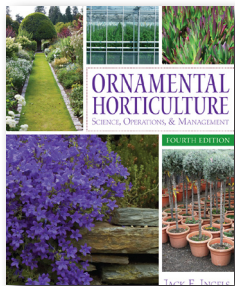


## ORNAMENTAL HORTICULTURE, 4E

Jack E. Ingels, *State University of New York at Cobleskill*  
(Emeritus)

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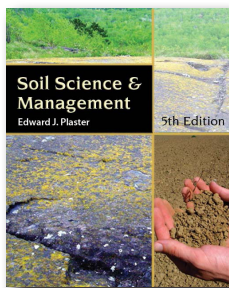
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Edward Plaster, *Dakota County Technical College, MN*

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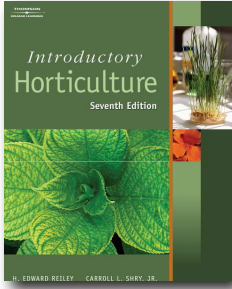
essentials of soils from the perspective of farmers, horticulturalists, environmentalists and other who are concerned about how soils work and how they are used more effectively. An emphasis on management and the sustainable use of soil and water resources makes it especially relevant to these audiences. The inclusion of nutrient management, best practices and relevant legal issues and government programs make this text a practical application for readers. Four-color illustrations have been added through-out the text, making it a much more visually appealing book. An eResource that includes an Instructor's Manual, PowerPoint slides, and a testbank is available to assist instructors in organizing class material, and lesson plans. In addition, the text has an Instructor's Guide, Lab Manual, Lab Manual Instructor's Guide to accompany it. Lastly, a student Studyware CD-ROM has been created to allow students to self-test through the use of various games.

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*H. Edward Reiley; Carroll L. Shry, Jr.*

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## HORTICULTURE/AGRONOMY

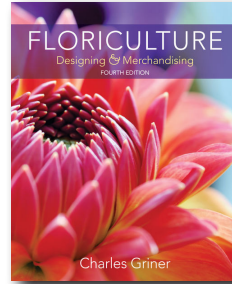
### FLORICULTURE, 4E

Designing & Merchandising

*Dr. Charles P. Griner, Colquitt County H.S., Moultrie, GA*

© 2019, 448pp, Hardback, 9781337390705

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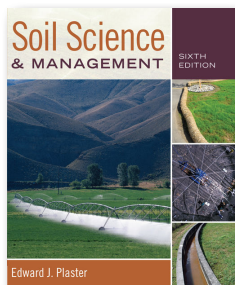
to the floral design industry and includes step-by-step instructions--complete with high-quality images and detailed material lists--for a wide range of floral design projects. Projects are built around low-cost materials to help you avoid breaking the budget, but the author also offers insights related to alternate materials you're likely to find in a typical floral shop today.

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## SOIL SCIENCE AND MANAGEMENT, SOFT COVER, 6E

Edward Plaster, *Dakota County Technical College, MN*

© 2018, 544pp, Paperback, 9781337904599



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aspects of effective soil usage, including management techniques, composition, fertility, erosion, conservation, and irrigation in this practical guide. This edition highlights horticultural uses of soil as well as the latest green methodologies in both agricultural and horticultural practice from the perspective of farmers, horticulturalists, environmentalists and others who are concerned about how soils work and how they can be used most effectively. This edition further examines nutrient management and best practices with the latest updates on legal issues and government programs that make it a useful resource now and invaluable reference for the future.

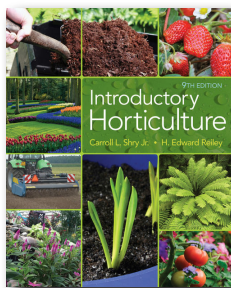
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## INTRODUCTORY HORTICULTURE, 9E

Carroll Shry, *Brandywine Landscaping*; H. Edward Reiley

© 2017, 800pp, Hardback, 9781285424729

MindTap eBook



Providing the most up-to-date coverage of basic principles and methods of practical application, **INTRODUCTORY HORTICULTURE, 9e**, offers many avenues to explore the horticulture field and remain on the cutting-edge of the industry.

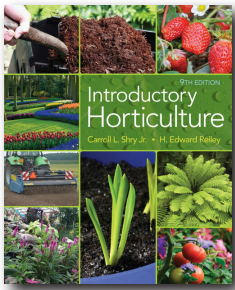
Extremely student friendly, the text fully engages you within the learning experience through vivid imagery, a variety of activities, step-by-step procedures, and additional resources encouraging further exploration. The Ninth Edition emphasizes organic and sustainable farming methods, introduces new and emerging technology, and focuses on organizations and career development paths relevant to budding horticulturists. Through extensive full-color visuals, current information, and engaging activities, this all-new edition ensures success within a horticulture course - and well beyond.

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## LAB MANUAL FOR SHRY/REILEY'S INTRODUCTORY HORTICULTURE, 9TH, 9E

Carroll Shry, Brandywine Landscaping; H. Edward Reiley

© 2017, 432pp, Paperback, 9781285424750



Featuring new exercises related to tomato grafting, designing gardens, the safe operation of power equipment, and utilizing apps as horticultural tools, the NINTH EDITION of the LAB MANUAL TO ACCOMPANY

INTRODUCTORY HORTICULTURE contains a variety of hands-on activities to help you retain and apply key concepts and information presented in the text.

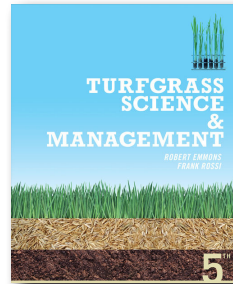
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## TURFGRASS SCIENCE AND MANAGEMENT, 5E

Robert Emmons, State University of New York, Cobleskill;  
Frank Rossi, Ph.D., Cornell University

© 2016, 608pp, Hardback, 9781111542573

### eBook



Featuring green environmental practices and current information from recognized leaders in the field, the fifth edition of TURFGRASS SCIENCE AND MANAGEMENT invites you into the thriving turfgrass industry. Designed for both aspiring and

practicing turfgrass managers, the book explains the science behind plant growth and soil properties and how to evaluate, establish and maintain a variety of green spaces, including golf courses, athletic fields, and landscaped lawns. In addition, TURFGRASS SCIENCE AND MANAGEMENT offers a review of critical math skills, an inside look at careers opportunities, and practical advice on effective business management practices to help prepare you for success!

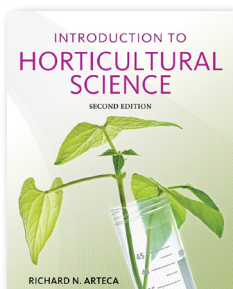
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## INTRODUCTION TO HORTICULTURAL SCIENCE, 2E

Richard N. Arteca, *The Pennsylvania State University*

© 2015, 576pp, Hardback, 9781111312794

### eBook



Ideal for any introductory course in horticulture science, the Second Edition of **INTRODUCTION TO HORTICULTURAL SCIENCE** covers everything you need to know in a comprehensive format that is easy to understand. With topics ranging from gene

jockeying to flower arranging, this text provides you with a full appreciation of the wonderful world of horticultural science. Coverage includes critical topics such as fundamental concepts, cutting edge research, careers in horticulture, the relationship between horticulture and the environment, classification of plants, and plant anatomy. You are also introduced to key concepts such as plant propagation, media, nutrients and fertilizers, plants and the environment, plant growth regulators, post harvest physiology and pest management, greenhouse structures, nursery site selection, development and facilities, producing nursery crops, and floral design. Through enhanced visual aids and the inclusion of recent trends in the field, the second edition has been designed to peak your interest and improve your understanding.

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## LAB MANUAL FOR PLASTER'S SOIL SCIENCE AND MANAGEMENT, 5TH, 6E

Edward Plaster, *Dakota County Technical College, MN*

© 2014, 112pp, Paperback, 9780840024343



The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

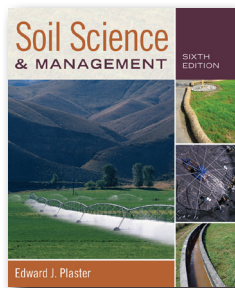
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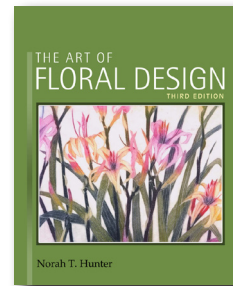
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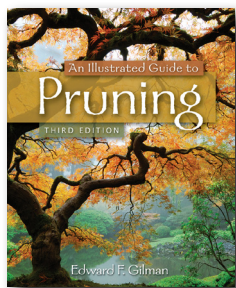


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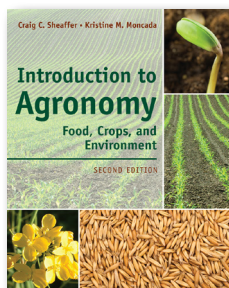
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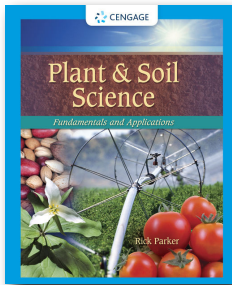
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## PLANT & SOIL SCIENCE Fundamentals & Applications

R.O. (Rick) Parker, Ph.D., College of Southern Idaho

© 2010, 480pp, Hardback, 9781428334809

### eBook



Plant & Soil Science Fundamentals and Applications combines the basic knowledge of plant and soil science, in an easy to read and teach format, and provides practical “real world” application for information learned.

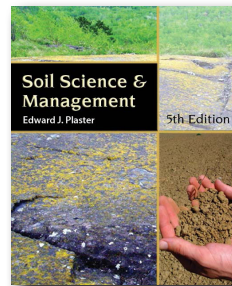
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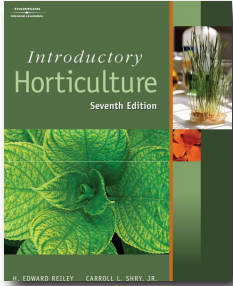
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## LANDSCAPE DESIGN

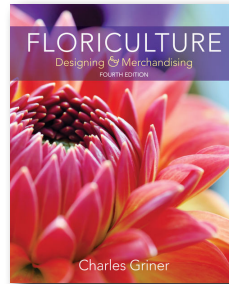
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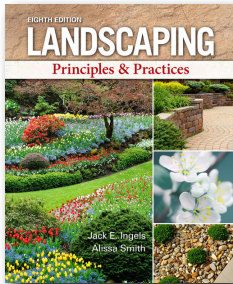
## LANDSCAPING, 8E

Principles & Practices

Jack E. Ingels, *State University of New York at Cobleskill (Emeritus)*; Alissa F. Smith, *National Association of Agricultural Educators (NAAE)*

© 2019, 496pp, Hardback, 9781337403429

### MindTap eBook



LANDSCAPING PRINCIPLES AND PRACTICES, Eighth Edition, provides a solid foundation in three areas of modern professional practice: landscape design, contracting and management. Updated to reflect today's industry, the

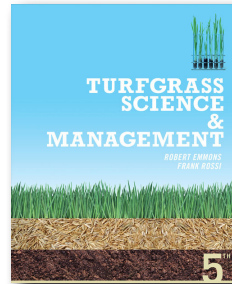
text includes new information, new practical learning features, and all-new photos and illustrations. Coverage begins with an overview of landscape design principles and processes, and then explores contracting, installation, maintenance, and professional specialization. The text also features expanded information on the National FFA Organization and content aligned to the Precision Exam for Landscape Management, making it easier to connect classroom work to current industry needs, standards, and certifications.

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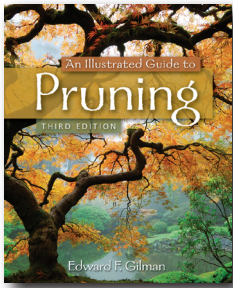
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## LANDSCAPE CONSTRUCTION, 3E

David Sauter, Foothill College, Los Altos Hills, California

© 2011, 512pp, Paperback, 9781435497184

### eBook



*Landscape Construction*, 3rd edition will help you understand the process of construction and implementation of a multitude of exterior hardscape construction projects. This book begins with the preparation for construction and follows

through to the installation of the final elements of the landscape project. Future landscape contractors and designers will appreciate the detailed discussions about site preparation, grading and drainage, utilities and irrigation, retaining wall construction, paving, exterior carpentry and fencing and free-standing walls. Such amenities as pools, ponds, and edging are also discussed in detail. All instructions are well supported by photos and illustrations. Each section contains thorough installation information for most of the contemporary materials used in today's landscapes. David Sauter has provided you with expert perspective on materials and techniques, as well as easy-to-follow instructions.

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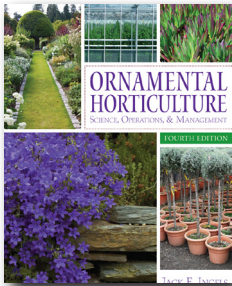


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This book provides a balanced coverage of the different elements integral to this exciting field, including the science of ornamental horticulture, crop production, craftsmanship, and business management skills. ORNAMENTAL HORTICULTURE, 4E offers readers a realistic view of the business skills required to be successful in this growing industry, while also giving them the chance to develop their own creativity. Extensive full color illustrations, detailed list of objectives, and comprehensive review questions will help students monitor their progress.

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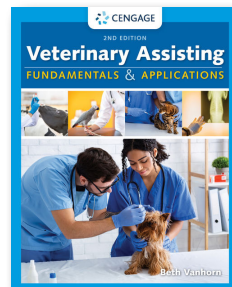
## VETERINARY TECHNOLOGY

### VETERINARY ASSISTING FUNDAMENTALS AND APPLICATIONS, 2E

Beth Vanhorn, AS, CVT, *Dauphin County Technical School, Veterinary Assistant Program*; Robert Clark, PhD, *Administrative Director - Dauphin County Technical School*

© 2022, 896pp, Hardback, 9781305499218

### MindTap eBook



Vanhorn's VETERINARY ASSISTING: FUNDAMENTALS AND APPLICATIONS, 2ND EDITION, equips you with the knowledge and skills you need for success in real-world practice. Offering step-by-step explanations, the text begins with the

basics of veterinary medical terminology and office procedures before advancing to more advanced skills, such as anatomy, restraint, nursing care, radiology and surgical assisting. Comprehensive coverage of animal production and management includes companion, large and exotic animals, while a separate section focuses on general anatomy and physiology of each body system -- along with related disease processes. Clinical scenarios vividly illustrate exactly how chapter concepts apply on the job. Also available, the MindTap digital solution propels you from memorization to mastery with its flexible anywhere, anytime learning tools.

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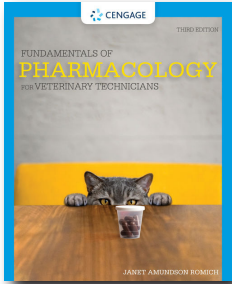


## FUNDAMENTALS OF PHARMACOLOGY FOR VETERINARY TECHNICIANS, 3E

Janet Amundson Romich, Madison Area Technical College;  
Sarah Wagner, North Dakota State University

© 2021, 736pp, Paperback, 9780357361474

### MindTap



Want to be indispensable to your veterinary care team? Instead of memorizing drug names, elevate your understanding of the drugs used to treat animal patients with Romich's FUNDAMENTALS OF PHARMACOLOGY FOR VETERINARY

TECHNICIANS, 3E. Following a body-systems approach, you build a foundation knowledge about important drugs, their actions and potentially harmful effects, diseases the drugs treat, how to administer drugs safely and most effectively, and much more. And to make what you're learning practical, chapters cover veterinary technician roles, dosage calculations, legal requirements, pharmacy management, job duties and clinical tips. The MindTap platform also offers digital resources such as practice quizzes, games, drug updates, and other supplemental resources for use during your course, while studying for certification exams and in your career.

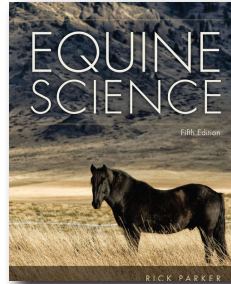
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## EQUINE SCIENCE, 5E

R.O. (Rick) Parker, Ph.D, College of Southern Idaho

© 2019, 640pp, Hardback, 9781305949720

### MindTap eBook



This engaging, informative text provides a thorough introduction to equine care and management. EQUINE SCIENCE, Fifth Edition, features a full-color layout, numerous photos, and vivid illustrations that help bring chapter material to life, as well as a logical, easy-to-

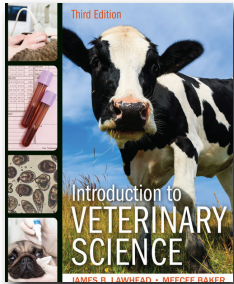
understand sequence of topics. Following an introduction to the equine industry, you'll learn about horses' unique anatomy and needs; how to care for, train, and manage horses; and key business aspects of the industry. This all-new edition also clearly connects text content to National AFNR (Agriculture, Food, and Natural Resources) Standards, key math and science concepts, and current references, helping prepare you for success in the classroom and beyond.

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## INTRODUCTION TO VETERINARY SCIENCE, SOFT COVER, 3E

MeeCee Baker; MeeCee Baker

© 2019, 448pp, Paperback, 9781337904650



INTRODUCTION TO VETERINARY SCIENCE, Third Edition, provides a solid foundation in this dynamic field for those studying animal and veterinary sciences or preparing for careers as veterinary assistants or technicians. The text begins

with an overview of cellular and tissue physiology, followed by chapters dedicated to individual body systems to enable easy comprehension. The authors then investigate crucial topics such as nutrition, disease, surgeries, cost analysis of procedures, safety, and professionalism. Throughout the text, real-life examples are integrated with chapter material to provide practical context, and both small and large animals are featured to expose students to the variety of cases they may encounter in the field. Each chapter opens with a “Day in the Life” preview that explores relevant applications of upcoming content, and chapters conclude with a description of clinical significance.

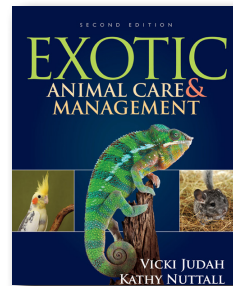
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## EXOTIC ANIMAL CARE AND MANAGEMENT, 2E

Vicki Judah; Kathy Nuttall, Jordan Applied Technology Center

© 2017, 384pp, Paperback, 9781285425085

eBook



Focusing exclusively on the care of exotic species as pets, EXOTIC ANIMAL CARE AND MANAGEMENT, 2ND EDITION delves into the unique behaviors, diet, housing considerations, handling and restraint methods, medical concerns

and clinical procedures related to the proper management of these animals. Reader-friendly and concise, each chapter covers a specific exotic animal commonly found in veterinary practice, including small mammals, birds, reptiles, amphibians, invertebrates, alpacas and llamas, miniature pigs and backyard chickens. Also included is an overview of specific concerns and zoonotic diseases associated with exotic animals so that you are fully prepared to contribute to their care and treatment.

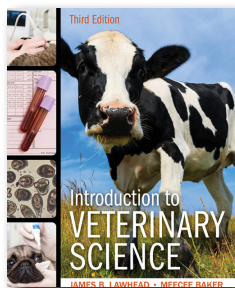
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## INTRODUCTION TO VETERINARY SCIENCE, 3E

James Lawhead; MeeCee Baker

© 2017, 448pp, Hardback, 9781111542795

### eBook



INTRODUCTION TO VETERINARY SCIENCE, Third Edition, provides a solid foundation in this dynamic field for those studying animal and veterinary sciences or preparing for careers as veterinary assistants or technicians. The text begins

with an overview of cellular and tissue physiology, followed by chapters dedicated to individual body systems to enable easy comprehension. The authors then investigate crucial topics such as nutrition, disease, surgeries, cost analysis of procedures, safety, and professionalism. Throughout the text, real-life examples are integrated with chapter material to provide practical context, and both small and large animals are featured to expose students to the variety of cases they may encounter in the field. Each chapter opens with a “Day in the Life” preview that explores relevant applications of upcoming content, and chapters conclude with a description of clinical significance.

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## SMALL ANIMAL CARE AND MANAGEMENT, 4E

Dean M. Warren, Columbia City High School (retired)

© 2016, 656pp, Hardback, 9781285425528

### eBook



Reader-friendly and engaging, SMALL ANIMAL CARE AND MANAGEMENT, Fourth Edition, offers a comprehensive guide to the care and husbandry of small animals. Through a logical flow of information, it introduces you to the basics

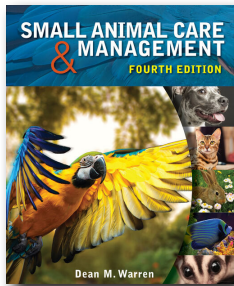
of the small animal industry, including the history, safety concerns and care and welfare of these animals before diving into the specifics of each, with chapters covering dogs, cats, reptiles, birds, fish and exotic species. Full-color photos and illustrations visually depict various breeds and their characteristics, anatomy, handling techniques, housing and other care concerns to facilitate learning, while activities and additional resources offer the opportunity for application and further study.

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## WORKBOOK FOR WARREN'S SMALL ANIMAL CARE AND MANAGEMENT, 4TH, 4E

Dean M. Warren, *Columbia City High School (retired)*

© 2016, 288pp, Paperback, 9781285425559



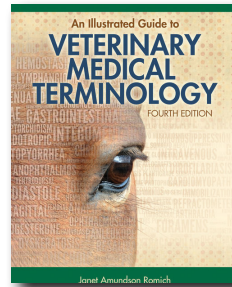
The student workbook is designed to help you practice and retain key chapter content. Included within this resource are multiple –type questions to evaluate your knowledge of chapter concepts, links to online resources, case studies and additional activities.

## AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 4E

Janet Amundson Romich, *Madison Area Technical College*

© 2015, 560pp, Paperback, 9781133125761

### MindTap eBook



Providing the ultimate terminology reference for veterinary assistants and technicians, *AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 4e* provides an engaging approach to learning medical terms and

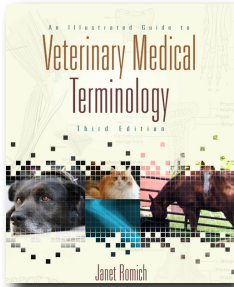
understanding basic principles of veterinary medicine. This user-friendly book delivers a unique pedagogical presentation that makes it a comprehensive learning resource. Its systematic approach enables you to understand basic medical concepts and apply critical thinking skills in determining the meaning of new medical terms. Focusing on how medical terms are formed, analyzed, and defined, the book discusses anatomical landmarks, the positioning of animals, and the relationships between body parts. It also introduces terms used in the animal industry. Case studies illustrate how medical terminology is experienced in real-world practice and an audio wordlist enables you to hear the terms you are learning.

## AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 3E

Janet Amundson Romich, Madison Area Technical College

© 2009, 416pp, Paperback, 9781435420120

### eBook



An Illustrated Guide to Veterinary Medical Terminology, Third Edition provides a visual approach to learning medical terms and understanding the basics of veterinary medicine. A systematic process of breaking down medical terms into their

component parts allows readers to comprehend the root medical concepts and apply critical thinking skills when faced with new and unfamiliar medical terminology. Chapters progress from basic terminology related to anatomical positioning to body systems, and then to species- specific terminology. Case studies exemplify how medical terminology would be experienced in an actual veterinary practice.

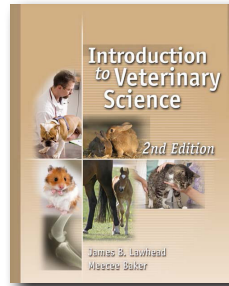
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## INTRODUCTION TO VETERINARY SCIENCE, 2E

James Lawhead; MeeCee Baker

© 2009, 384pp, Hardback, 9781428312258

### eBook



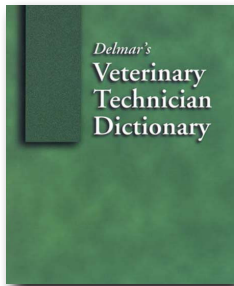
Will be appreciated by instructors due to the development by an experienced teacher and practicing veterinarian.

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## DELMAR'S VETERINARY TECHNICIAN DICTIONARY

*Dr. Ray V. Herren, University of Georgia, Athens (Emeritus);  
Janet Amundson Romich, Madison Area Technical College;  
Thomson Delmar Learning*

© 2000, 360pp, Paperback, 9780766814219



Delmar's Veterinary Technology Pocket Dictionary is essential for veterinary technology students.

## APPLIED MATHEMATICS FOR CAREERS

### MATH FOR AUTOMECHANICS

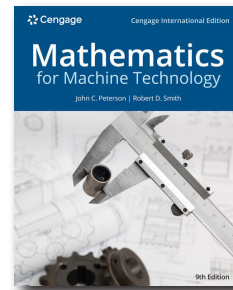
#### NEW EDITION

### MATHEMATICS FOR MACHINE TECHNOLOGY, 9E

Cengage International Edition

*Peterson/McGarry/Smith*

© 2026, 736pp, Paperback, 9798214129471



Peterson/McGarry/Smith's **MATHEMATICS FOR MACHINE TECHNOLOGY**, 9th Edition, equips students and apprentices in machine trades and manufacturing with essential mathematical skills. This comprehensive

book seamlessly integrates math concepts with practical machine applications, using industry-specific examples, realistic illustrations and actual machine functions. It covers a range of topics, progressing from general math to trigonometry and solid geometry, compound angles and numerical control, ensuring students gain a solid foundation in general math before advancing to more complex concepts. Additionally, readers gain insights into G- and M-codes for CNC programming, preparing them for success in the machine, tool-and-die and tool design industries.



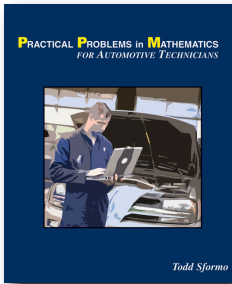
## PRACTICAL PROBLEMS IN MATHEMATICS, 7E

For Automotive Technicians

Todd Sformo, *Ilisagvik College*

© 2009, 288pp, Paperback, 9781428335240

### eBook



Comprehensive and easy to use, the revised and updated seventh edition covers practical math problems that automotive technicians will face on the job. The easy-to-read and well organized chapters of Practical Problems in Mathematics for Automotive

Technicians, Seventh Edition feature step-by-step instructions, diagrams, charts, and examples that facilitate the problem-solving process while reinforcing key concepts. The presentation builds from the basics of whole-number operations to cover percentages, linear measurement, ratios, and the use of more advanced formulas. With a special section on graphs, scale reading of test meters, and invoices found in the workplace, this text is tailor-made for students in any automotive course of study!

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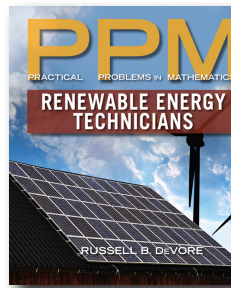
## MATH FOR CONSTRUCTION TRADES

## PRACTICAL PROBLEMS IN MATHEMATICS FOR RENEWABLE ENERGY TECHNICIANS

Russell B. DeVore

© 2017, 304pp, Paperback, 9781285079332

### eBook



You can develop the essential quantitative skills you need to succeed in today's exciting, growing field of renewable energy, no matter what your current level of math skills, with DeVore's helpful PRACTICAL PROBLEMS IN MATHEMATICS FOR

RENEWABLE ENERGY TECHNICIANS. This book presents important math concepts in short, easily understood units. The author clearly illustrates every concept with examples and practice problems drawn from the types of tasks that you will perform on the job every day. Loaded with helpful visual features and study aids, PRACTICAL PROBLEMS IN MATHEMATICS FOR RENEWABLE ENERGY TECHNICIANS puts key information at your fingertips with critical formula conversion charts, a glossary of the latest renewable energy terms, and plenty of exercise problems specifically designed to help you strengthen and develop confidence in your math skills.

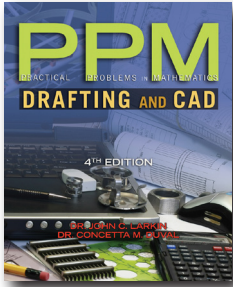
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR DRAFTING AND CAD, 4E

*John Larkin; Concetta Duval*

© 2013, 352pp, Paperback, 9781111316808

### eBook



Designed to enhance your math skills in the field of drafting, this completely updated fourth edition of Practical Problems in Mathematics For Drafting and CAD presents a comprehensive overview of contemporary drafting problems, CAD drawings,

and industry applications and practices. This text provides a variety of integrated math problems and CAD operations in order to facilitate critical thinking, problem solving, and basic mathematics literacy. Filled with real-world applications and designed to cover a range of skills and levels of difficulty, the fourth edition includes updated figures, illustrations, problem sets, examples, and solutions in order to give you the skills you need to succeed in the field of drafting.

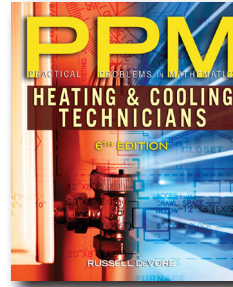
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR HEATING AND COOLING TECHNICIANS, 6E

*Russell B. DeVore*

© 2013, 320pp, Paperback, 9781111541354

### eBook



Practical Problems for Heating And Cooling Technicians, 6th Edition gives you the essential quantitative skills to get ahead in the HVAC field today! This text condenses critical mathematical theories into short, easily understood sections, and

illustrates every concept with multiple examples and practice problems drawn from tasks technicians perform on the job every day. Loaded with helpful visual features and study aids, Practical Problems for Heating And Cooling Technicians, 6th Edition puts key information at your fingertips with critical formula conversion charts, a glossary of the latest HVAC-specific terms, hands-on exercises, and optional supplemental tools designed to build your skills and confidence.

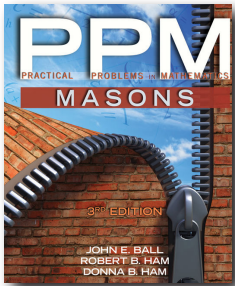
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR MASONS, 3E

*John Ball; Robert Benjamin Ham; Donna B. Ham, Blue Ridge  
Community College*

© 2013, 208pp, Paperback, 9781133014744

### eBook



Newly revised for the 3rd Edition, **PRACTICAL PROBLEMS IN MATHEMATICS FOR MASONS** provides the quantitative skills you need for success in the workplace. Starting with the basics, this practical worktext uses straightforward language

and clear organization to develop confidence quickly with helpful hints. This book guides you through the math most commonly used in masonry reinforcing your knowledge of key math principles from whole numbers and decimals to fractions and percentages. Next, step-by-step discussions of volume, area, square roots, and the Pythagorean Theorem provide the foundation masons need to properly measure projects, align walls, and estimate quantities of materials. Throughout **PRACTICAL PROBLEMS IN MATHEMATICS FOR MASONS, 3RD Edition** many examples, illustrations, and practice word problems help develop logical reasoning skills while developing your awareness of basic masonry terms and practices.

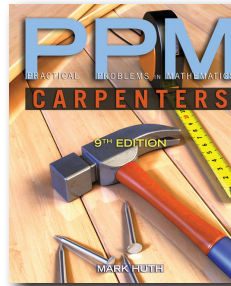
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS, 9E

*Mark Huth*

© 2012, 208pp, Paperback, 9781111313425

### eBook



Take command of any building and carpentry project with the robust, construction-specific math skills you will get from the 9th Edition of **PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS**. Divided into short units, this

combination book/workbook explains the math principles essential to carpentry and building construction in straightforward, concise language, and then reinforces each concept with samples of problems common in the trade. Step-by-step solutions to the problems, as well as detailed illustrations, help you easily understand the math, visualize its application in everyday carpentry work, and perform functions yourself.

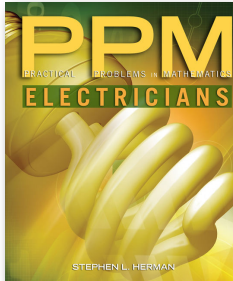
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E

Stephen L. Herman, *Lee College (retired)*

© 2012, 208pp, Paperback, 9781111313470

### eBook



PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E will give you the math skills you need to succeed in the electrical trade. It introduces you to the important math principles through problems designed for the electrical profession and offers you

an excellent opportunity to develop and practice problem-solving skills while at the same time providing a valuable review of electrical terminology. This new edition uses the same straightforward writing style and simple, step-by-step explanations that made previous editions so reader-friendly. It minimizes theory and emphasizes problem-solving techniques and practice problems. This new edition also includes updated illustrations and information for a better learning experience than ever before! The book begins with basic arithmetic and then, once these basic topics have been mastered, progresses to algebra and concludes with trigonometry. Practical problems with real-world scenarios from the electrical field are used throughout, allowing you to apply key mathematical concepts while developing an awareness of basic electrical terms and practices. This is the perfect resource for students entering the electrical industry, or those simply looking to brush up on the necessary math.

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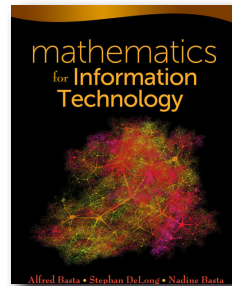
## MATH FOR ELECTRONICS

### MATHEMATICS FOR INFORMATION TECHNOLOGY

Alfred Basta; Stephan DeLong; Nadine Basta

© 2014, 512pp, Paperback, 978111127831

### eBook



MATHEMATICS FOR INFORMATION TECHNOLOGY delivers easy-to-understand and balanced mathematical instruction. Each chapter begins with an application, goes on to present the material with examples, and closes with a summary of

the relevant concepts and practice exercises. With numerous illustrations included, you'll be able to understand the content from a number of different angles. Whether you're majoring in electronics, computer programming, or information technology, you'll find Mathematics for Information Technology to be a valuable resource

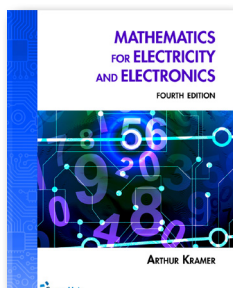
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## MATH FOR ELECTRICITY & ELECTRONICS, 4E

Dr. Arthur Kramer, *New York City College of Technology*

© 2012, 640pp, Hardback, 9781111545079

### eBook



With its fresh reader-friendly design, **MATHEMATICS FOR ELECTRICITY AND ELECTRONICS, 4E** is more current, comprehensive, and relevant than ever before. Packed with practical exercises and examples, it equips you with a thorough understanding

of essential algebra and trigonometry for electricity and electronics technology--while helping you improve critical thinking skills. Well-illustrated information sharpens your ability to think quantitatively, predict results, and troubleshoot effectively, while relevant practice problems strengthen your understanding. To ensure mastery of the latest ideas and technology, the text thoroughly explains all mathematical concepts, symbols, and formulas that future technicians and technologists need. In addition, a new homework solution offers a wealth of online resources to maximize your study efforts!

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## MATH FOR HEALTH CAREERS

### MATH FOR HEALTH CARE PROFESSIONALS, 2E

Michael Kenamer, *Northeast Alabama Community College; Kenamer Media Group, Inc.*

© 2017, 336pp, Paperback, 9781305509788

### MindTap eBook



Requiring no prior knowledge of mathematics or health care, **MATH FOR HEALTH CARE PROFESSIONALS, 2E** is a comprehensive, foundational resource that is equally effective in the classroom or for self-study. It emphasizes the

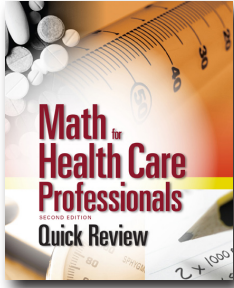
fundamentals of mathematics while giving you plenty of experience applying that to real-world practice. Actual health professionals also share how they use math in their careers. Exercises using drug dosages, intake and output, weights and measures, temperatures, IV drip rates, , illustrations of syringes, prescriptions, medication labels, IV bags, and I and O charts give you hands-on practice with real-life health care skills requiring mathematics. A student workbook and MindTap digital learning solution are also available. The Second Edition includes all-new chapters devoted to pre-algebra and geometry as well as statistics. It also offers new coverage of body mass index, 24-hour time, calculating the volume of containers of various shapes, and more.

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## QUICK REVIEW: MATH FOR HEALTH CARE PROFESSIONALS, 2E

Michael Kenamer, *Northeast Alabama Community College*;  
Kenamer Media Group, Inc.

© 2017, 367pp, Paperback, 9781305509818



Written by a health care professional for health care professionals, **QUICK REVIEW: MATH FOR HEALTH CARE PROFESSIONALS, 2e** is perfect for anyone needing a refresher on math concepts used in health care. It thoroughly explains

the “why” along with the fundamentals of health-related math. Each chapter includes a quick review of concepts as well as numerous exercises to help you put what you learn into practice. The text emphasizes drug dosages, intake and output, weights and measures, temperatures, IV drip rates, conversions, and other real-world math applications. Detailed illustrations of syringes, prescriptions, medication labels, IV bags, and I and O charts prepare you for what you will experience on the job. In addition, MindTap offers a wealth of online activities and resources to help you maximize your success.

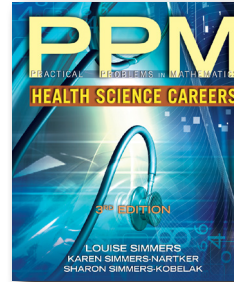
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## PRACTICAL PROBLEMS IN MATH FOR HEALTH SCIENCE CAREERS, 3E

Louise Simmers; Karen Simmers-Nartker; Sharon Simmers-Kobelak

© 2013, 368pp, Paperback, 9781111540388

eBook



**PRACTICAL PROBLEMS IN MATHEMATICS FOR HEALTH SCIENCE CAREERS, 3RD EDITION** familiarizes you with essential math processes using real-life examples and straightforward instruction. Using a word problem format, this text starts you

off with simple examples, and then progresses to complex paradigms at a comfortable pace. Plus, it focuses on the mathematical situations that you’re likely to encounter in the health care field, including problems involving medications, intravenous solutions, and other emulsions. No matter which area of Allied Health you’re interested in, updated and expanded **Practical Problems In Mathematics For Health Science Careers, 3rd Edition** is the resource you’ll use for years to come.

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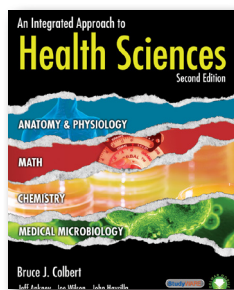
## AN INTEGRATED APPROACH TO HEALTH SCIENCES, 2E

Anatomy and Physiology, Math, Chemistry and Medical Microbiology

Bruce J. Colbert, *University of Pittsburgh at Johnstown*; Jeff Ankney; Joe Wilson; John Havrilla

© 2012, 448pp, Hardback, 9781435487642

### eBook



Unlike any other resource on the market, AN INTEGRATED APPROACH TO HEALTH SCIENCES, 2E takes an all-in-one approach to preparing learners for careers in the health care industry. The book identifies the four basic building blocks of

Health Sciences: anatomy and physiology, math, chemistry, and medical microbiology, and then presents them in the context of health professions. Medical terminology and physics concepts are also covered. Rich illustrations, theory, practical applications, and humorous anecdotes all join together to help learners connect with the material as they learn it, fostering increased retention and comprehension. As a result, learners will gain valuable knowledge while also getting access to an insider look at health careers through the book's professional profiles. Exercises and case studies complement the comprehensive coverage and sharpen critical thinking skills, making this a complete package for anyone aiming to develop a solid foundational knowledge in the health sciences. And although the textbook can stand alone, it has capabilities for enhancements with a rich array of extra resources that include videos, animations, interactive games, study questions and a workbook with activities.

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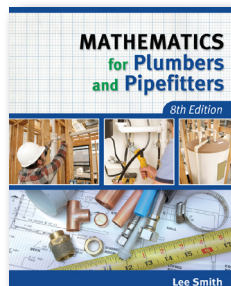
## MATH FOR PLUMBERS

### MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8E

Lee Smith

© 2013, 288pp, Paperback, 9781111642600

### eBook



Now in its 8th edition, MATHEMATICS FOR PLUMBERS AND PIPEFITTERS delivers the essential math skills necessary in the plumbing and pipefitting professions. Starting with a thorough math review to ensure a solid foundation, the book

progresses into specific on-the-job applications, such as pipe length calculations, sheet metal work, and the builder's level. Broad-based subjects like physics, volume, pressures, and capacities round out your knowledge, while a new chapter on the business of plumbing invites you to consider an exciting entrepreneurial venture. Written by a Master Plumber and experienced vocational educator, MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8th Edition includes a multitude of real-world examples, reference tables, and formulas to help you build a rewarding career in the plumbing and pipefitting trade.

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## MATH FOR TECHNOLOGY

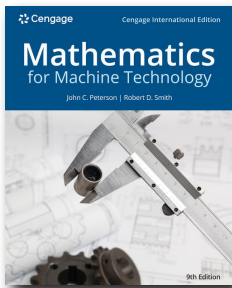
**NEW EDITION**

### MATHEMATICS FOR MACHINE TECHNOLOGY, 9E

Cengage International Edition

Peterson/McGarry/Smith

© 2026, 736pp, Paperback, 9798214129471



Peterson/McGarry/Smith's **MATHEMATICS FOR MACHINE TECHNOLOGY**, 9th Edition, equips students and apprentices in machine trades and manufacturing with essential mathematical skills. This comprehensive

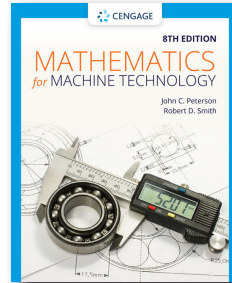
book seamlessly integrates math concepts with practical machine applications, using industry-specific examples, realistic illustrations and actual machine functions. It covers a range of topics, progressing from general math to trigonometry and solid geometry, compound angles and numerical control, ensuring students gain a solid foundation in general math before advancing to more complex concepts. Additionally, readers gain insights into G- and M-codes for CNC programming, preparing them for success in the machine, tool-and-die and tool design industries.

### MATHEMATICS FOR MACHINE TECHNOLOGY, 8E

*John C. Peterson, Chattanooga State Technical Community College; Robert D. Smith, Chattanooga State Technical Community College (retired)*

© 2020, 608pp, Paperback, 9781337798310

**MindTap eBook**



Strengthen mathematical skills and gain practice using those skills in preparation for success in machine trades or manufacturing with Peterson/Smith's **MATHEMATICS FOR MACHINE TECHNOLOGY**, 8E. This comprehensive

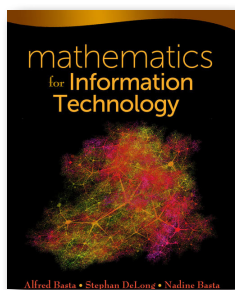
book connects math concepts to relevant machine applications, using industry-specific examples, realistic illustrations and actual machine functions. Step-by-step problems and examples progress from general math to more complex trigonometry and solid geometry while demonstrating how math applies to machine trades and manufacturing fields. The authors highlight calculator operations when appropriate. New coverage in this edition emphasizes spreadsheets and introductory G- and M- codes for CNC programming. Master the practical, vocational and technical applications of math concepts necessary to excel in today's machine, tool-and-die and tool design industries with this proven book.

## MATHEMATICS FOR INFORMATION TECHNOLOGY

Alfred Basta; Stephan DeLong; Nadine Basta

© 2014, 512pp, Paperback, 9781111127831

### eBook



MATHEMATICS FOR INFORMATION TECHNOLOGY delivers easy-to-understand and balanced mathematical instruction. Each chapter begins with an application, goes on to present the material with examples, and closes with a summary of

the relevant concepts and practice exercises. With numerous illustrations included, you'll be able to understand the content from a number of different angles. Whether you're majoring in electronics, computer programming, or information technology, you'll find Mathematics for Information Technology to be a valuable resource

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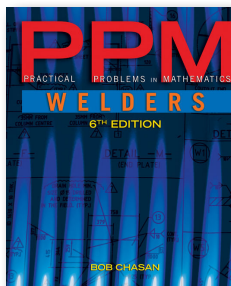
## MATH FOR WELDERS

### PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E

Robert Chasan, Gateway Community College

© 2012, 240pp, Paperback, 97811111313593

### MindTap eBook



Discover how this highly effective, practical approach to mathematics can prepare you with the math skills most important for success in today's welding careers. PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E combines an inviting, comprehensive

introduction to math with an emphasis on the latest procedures, practices, and technologies in today's welding industry. You'll see how welders rely on mathematical skills to solve both everyday and more challenging problems, from measuring materials for cutting and assembling to effectively and economically ordering materials. Highly readable, inviting units emphasize both basic procedures and more advanced mathematics formulas welders must regularly use. Clear, uncomplicated explanations, new practice problems, and real-world examples emphasize some of the industry's latest developments. New, more dimensional illustrations throughout this edition help you further visualize concepts with an approach that's ideal for learners at all levels of math proficiency. A new homework solution and dynamic online website help reinforce the math skills most important for success in welding today.

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## TECHNICAL MATHEMATICS

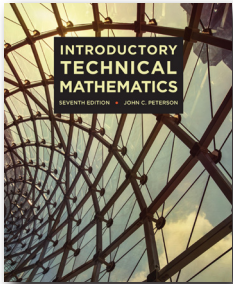
**NEW EDITION**

### INTRODUCTORY TECHNICAL MATHEMATICS, 7E

*Peterson/Smith*

© 2019, 1040pp, Paperback, 9781337397674

#### MindTap



With an emphasis on real-world math applications, **INTRODUCTORY TECHNICAL MATHEMATICS**, Seventh Edition, is an essential resource for anyone considering a career in today's sophisticated trade

and technical work environments. Practical, straightforward, and easy to understand, this engaging text helps students build a solid understanding of math concepts through step-by-step examples and problems drawn from a variety of occupations. Now updated with more than 1500 new exercises--including Power Up exercises to reinforce key skills over time--the Seventh Edition also features accurate, up-to-date information from the field, including expanded coverage of topics such as estimation usage, working with spreadsheets on tablets, and energy-efficient electrical applications.

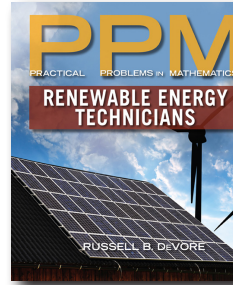
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### PRACTICAL PROBLEMS IN MATHEMATICS FOR RENEWABLE ENERGY TECHNICIANS

*Russell B. DeVore*

© 2017, 304pp, Paperback, 9781285079332

#### eBook



You can develop the essential quantitative skills you need to succeed in today's exciting, growing field of renewable energy, no matter what your current level of math skills, with DeVore's helpful **PRACTICAL PROBLEMS IN MATHEMATICS FOR**

**RENEWABLE ENERGY TECHNICIANS**. This book presents important math concepts in short, easily understood units. The author clearly illustrates every concept with examples and practice problems drawn from the types of tasks that you will perform on the job every day. Loaded with helpful visual features and study aids, **PRACTICAL PROBLEMS IN MATHEMATICS FOR RENEWABLE ENERGY TECHNICIANS** puts key information at your fingertips with critical formula conversion charts, a glossary of the latest renewable energy terms, and plenty of exercise problems specifically designed to help you strengthen and develop confidence in your math skills.

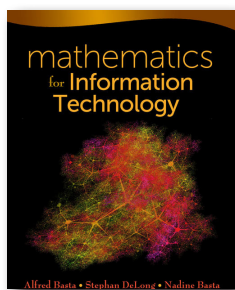
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## MATHEMATICS FOR INFORMATION TECHNOLOGY

Alfred Basta; Stephan DeLong; Nadine Basta

© 2014, 512pp, Paperback, 9781111127831

### eBook



MATHEMATICS FOR INFORMATION TECHNOLOGY delivers easy-to-understand and balanced mathematical instruction. Each chapter begins with an application, goes on to present the material with examples, and closes with a summary of

the relevant concepts and practice exercises. With numerous illustrations included, you'll be able to understand the content from a number of different angles. Whether you're majoring in electronics, computer programming, or information technology, you'll find Mathematics for Information Technology to be a valuable resource

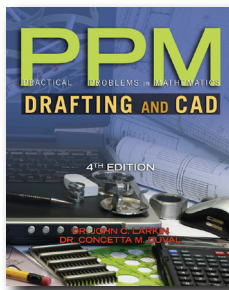
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR DRAFTING AND CAD, 4E

John Larkin; Concetta Duval

© 2013, 352pp, Paperback, 97811111316808

### eBook



Designed to enhance your math skills in the field of drafting, this completely updated fourth edition of Practical Problems in Mathematics For Drafting and CAD presents a comprehensive overview of contemporary drafting problems, CAD drawings, and industry applications and practices. This text provides a variety of integrated math problems and CAD operations in order to facilitate critical thinking, problem solving, and basic mathematics literacy. Filled with real-world applications and designed to cover a range of skills and levels of difficulty, the fourth edition includes updated figures, illustrations, problem sets, examples, and solutions in order to give you the skills you need to succeed in the field of drafting.

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# BASIC TECHNICIAN TRAINING

## MATH SKILLS

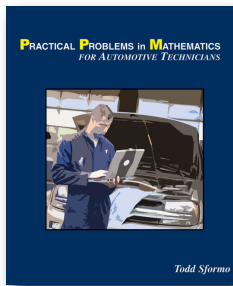
### PRACTICAL PROBLEMS IN MATHEMATICS, 7E

For Automotive Technicians

Todd Sformo, *Illisagvik College*

© 2009, 288pp, Paperback, 9781428335240

### eBook



Comprehensive and easy to use, the revised and updated seventh edition covers practical math problems that automotive technicians will face on the job. The easy-to-read and well organized chapters of Practical Problems in Mathematics for Automotive

Technicians, Seventh Edition feature step-by-step instructions, diagrams, charts, and examples that facilitate the problem-solving process while reinforcing key concepts. The presentation builds from the basics of whole-number operations to cover percentages, linear measurement, ratios, and the use of more advanced formulas. With a special section on graphs, scale reading of test meters, and invoices found in the workplace, this text is tailor-made for students in any automotive course of study!

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# BUILDING TRADES/ CONSTRUCTION

## BLUEPRINT READING & SKETCHING

### NEW EDITION

### PRINT READING FOR WELDERS, 10E

Cengage International Edition

*Bennett/Siy/Jeffus*

© 2026, Spiral, 9798214129372

### MindTap



Master the basics of print interpretation! PRINT READING FOR MACHINISTS, 10th Edition, is an ideal resource for machine trades students and apprentices alike who want to gain the knowledge and skills needed for career

success. Now updated to the latest ANSI standards, this thorough text includes 31 instructional units providing all-inclusive coverage that progresses from fundamental concepts to more advanced topics, including the alphabet of lines, orthographic projection, arrangement of views, application of dimensions and tolerances, machining processes, and more. With review questions to help reinforce learning and drawing exercises for hands-on sketching practice, this trusted text is equally valuable for classroom use or self-paced learning.

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## PRINT READING FOR MACHINISTS, 6E

David L. Taylor

© 2019, 624pp, Paperback, 9781285419619

### MindTap eBook



Master the basics of print interpretation! **PRINT READING FOR MACHINISTS**, Sixth Edition, is an ideal resource for machine trades students and apprentices alike who want to gain the knowledge and skills needed for career success. Now updated to

the latest ANSI standards, this thorough text includes 31 instructional units providing all-inclusive coverage that progresses from fundamental concepts to more advanced topics, including the alphabet of lines, orthographic projection, arrangement of views, application of dimensions and tolerances, machining processes, and more. With review questions to help reinforce learning and drawing exercises for hands-on sketching practice, this trusted text is equally valuable for classroom use or self-paced learning.

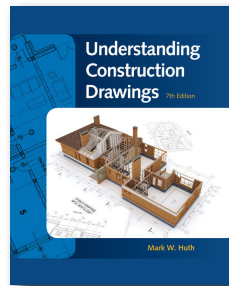
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## UNDERSTANDING CONSTRUCTION DRAWINGS, 7E

Mark W. Huth

© 2019, 360pp, Paperback, 9781337408639

### MindTap eBook



This proven, uniquely practical text provides your students with a thorough guide to reading, understanding, and working with construction drawings. Now updated to reflect the 2015 International Building Code® and 2015 International Residential Code®, the

Seventh Edition includes accurate, up-to-date information on current materials, practices, and standards to prepare students for career success in modern building trades. The text is designed from start to finish for real-world relevance, with topics organized by actual construction processes, realistic construction drawings integrated into chapter content, hundreds of practical questions and activities, and full-size residential and commercial construction prints. The author covers fundamental concepts including views, lines, basic dimensioning, and symbols, as well as more advanced principles and practices such as orienting and cross-referencing drawings, interpreting complex drawings, and working with commercial construction elements like structural steel, masonry, and reinforced concrete. In addition to updates related to 2015 codes, the text features an all-new unit covering multi-building developments, fire code and sound control measures, and seismic considerations, with new drawings for a four-story, two-family building in an urban, seismic-sensitive area.

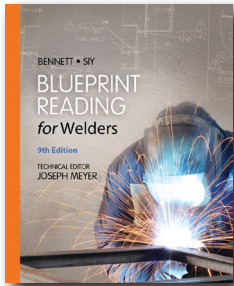
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## BLUEPRINT READING FOR WELDERS, SPIRAL BOUND VERSION, 9E

A.E. Bennett; Louis J. Siy

© 2015, 432pp, Spiral, 9781133605782

### eBook



This hands-on, reader-friendly guide provides comprehensive, up-to-date coverage of welding symbols and their application to welding prints and practices. BLUEPRINT READING FOR WELDERS, Ninth Edition, uses step-by-step instructions and

detailed illustrations to help you gain the knowledge and skills you need to interpret a wide range of working documents, from simple sketches to the most complex blueprints. The text covers auxiliary views, detail views, projections, sections, and detail and assembly drawings. Now updated and expanded, the new Ninth Edition features the latest AWS symbols and terms along with the ISO welding symbols, current specifications and dimensioning practices, relevant industry developments, and cutting-edge information to support your professional success in this dynamic field.

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## BLUEPRINTS AND PLANS FOR HVAC, 4E

Joseph Moravek, Nance Universal HVACR Technical School, Beaumont, Texas; Curtis McGuirt, Nance International, Beaumont, Texas; Wilma B. Miller, Worcester Polytechnic Institute

© 2013, 360pp, Paperback, 9781133588146

### eBook



Packed with vivid illustrations and a complete set of commercial prints, best-selling BLUEPRINTS AND PLANS FOR HVAC, 4th Edition combines in-depth instruction with relevant hands-on applications to equip you with the skills to succeed in

the workplace. Now in an engaging four-color format, this popular text will help you master the basics of blueprint reading and apply these new skills in the HVAC trade. This Fourth Edition has been updated to include the latest codes and technological advancements, while still covering all the critical areas of study, including using the architect's and engineer's scale, creating and using working and construction drawings and freehand sketching and drafting with instruments. In addition, the new CourseMate solution includes extra activities and CAD files to increase the number of real-world exercises. Practical, current and exceedingly accurate, BLUEPRINTS AND PLANS FOR HVAC, 4th Edition will serve you in the classroom and beyond.

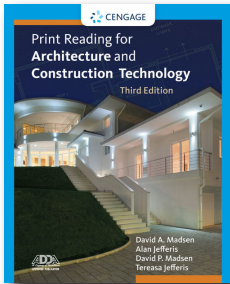
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## PRINT READING FOR ARCHITECTURE AND CONSTRUCTION TECHNOLOGY, 3E

David A Madsen; Alan Jefferis, *Clackamas Community College*;  
David P. Madsen; Tereasa Jefferis, *Mt. Hood Community College*

© 2013, 448pp, Paperback, 9781285075969

### eBook



PRINT READING FOR ARCHITECTURE AND CONSTRUCTION TECHNOLOGY, 3E provides the knowledge and skills needed to accurately interpret blueprints for residential and light commercial construction.

This easy-to-use text explores all facets of print reading, with examples and illustrations taken from actual architectural prints. You are provided with the information you need to create high-quality, standardized “real world” working drawings. In addition, this edition is fully updated with CADD-generated print reading examples, illustrations, and exercises that comply with the highest industry standards of computer-aided design and drafting.

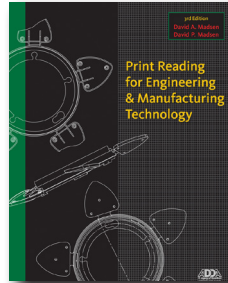
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## PRINT READING FOR ENGINEERING AND MANUFACTURING TECHNOLOGY, 3E

David A Madsen

© 2013, 544pp, Paperback, 9781133716570

### eBook



PRINT READING FOR ENGINEERING AND MANUFACTURING TECHNOLOGY 3E takes a practical approach to print reading, with fundamental through advanced coverage that demonstrates industry standards essential for pursuing careers in the 21st

century. You will learn step-by-step how to interpret actual industry prints while building the knowledge and skills that will allow you to read complete sets of working drawings. Realistic examples, illustrations, related tests, and print reading problems are based on real world engineering prints that comply with ANSI, ASME, AWS, and other related standards. Included in this new edition is material on electronic filing, discovery, the duty to prevent spoliation, pertinent rule changes and coverage of the HIPAA standards that facilitates your understanding of the importance of these relatively new areas of practice. Thorough updating of the law, changes in rules of procedure, evidence, and ethics standards keeps you current on changes in the law and practice.

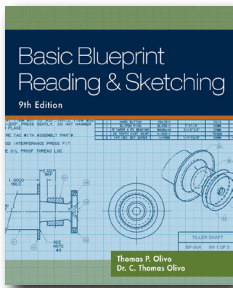
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## BASIC BLUEPRINT READING AND SKETCHING, 9E

Thomas P. Olivo; C. Thomas Olivo

© 2010, 320pp, Paperback, 9781435483781

### eBook



For over 50 years, Basic Blueprint Reading and Sketching has been an international best-seller, with close to \$500,000 in sales and THE definitive resource for blueprint reading. The newly revised 9th edition of Basic Blueprint Reading and Sketching

continues the traditions in helping to readers achieve competence in reading and sketching technical drawings. This classic interactive book/workbook will help users develop skills in reading and interpreting industrial drawings and preparing basic to advanced technical sketches. This book will provide them with basic principles, concepts, ANSI and SI Metric drafting symbols and standards, terminology, manufacturing process notes, and other related technical information contained on a mechanical or CAD drawing. Each unit features a basic principle and at least one blueprint and assignment that encourages students to practice newly learned skills. This edition contains coverage of the latest ANSI, ISO, AWS and ASME standards.

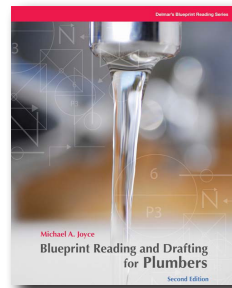
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## BLUEPRINT READING AND DRAFTING FOR PLUMBERS, 2E

Michael A. Joyce

© 2009, 240pp, Paperback, 9781428335134

### eBook



With a one-of-a-kind approach that offers more comprehensive coverage than any other plumbing apprentice book on the market, this valuable resource will thoroughly prepare readers for the transition from the residential plumbing

industry to commercial or industrial projects. Blueprint Reading and Drafting for Plumbers, 2E goes beyond basic lessons on reading and drafting various piping arrangements to provide highly detailed, practical, and relevant information that addresses the real-life demands of commercial and industrial job sites. This updated edition features all-new chapters devoted to coordinating plumbing installations using structural steel and civil blueprints, further enhancing the book's unique and jobsite-focused classroom lessons.

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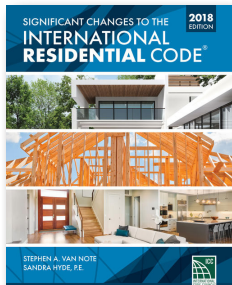
## BUILDING CODES

### SIGNIFICANT CHANGES TO THE INTERNATIONAL RESIDENTIAL CODE 2018 EDITION, 2E

International Code Council (ICC)

© 2018, 352pp, Paperback, 9781337271332

#### eBook



This convenient, easy-to-use resource provides a comprehensive analysis of notable changes since the 2015 International Residential Code®, including the origins, implications, and real-world applications of those changes. Covering updates to building, energy,

mechanical, fuel gas, plumbing, and electrical provisions of the IRC®, the text presents an analysis of affected code sections, highlighting modifications to the existing language with strikethroughs and underlines. Each update also features a brief explanation, detailed illustrations, and thoughtful discussion of the changes' significance, so you can interpret the code's technical jargon and understand its practical applications to real-world scenarios. With its attention to detail, logical organization, and thorough, yet concise coverage, SIGNIFICANT CHANGES TO THE INTERNATIONAL RESIDENTIAL CODE®, 2018 Edition, is an ideal resource to help you transition from the 2015 IRC.

### HVACR 101

Joseph Moravek, Nance Universal HVACR Technical School, Beaumont, Texas

© 2009, 464pp, Paperback, 9781418066635

#### eBook



Designed to guide apprentices, entry-level technicians, and first-year students through their first experiences in the HVAC/R trade, HVAC 101 provides a solid and thorough introduction to the field. It is the culmination of the efforts of industry leaders like the

Air Conditioning Contractors of America (ACCA), PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee (PHCC Educational Foundation), and Refrigeration Service Engineers Society (RSES). Backed by these organizations and the high standards and cutting-edge resources that they are known for, the book begins with simple concepts that provide an overview of the world of HVAC/R and its main systems and components. Coverage then progresses to increasingly complex procedures, such as maintenance and inspection, installation and repair, and customer service and sales. This building-block approach, combined with numerous practical examples, makes the book the ideal resource for learning and applying key HVAC/R concepts. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

## CARPENTRY

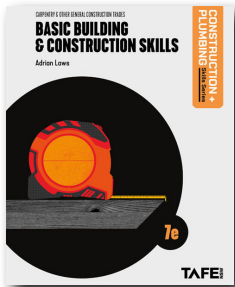
**NEW EDITION**

### BASIC BUILDING AND CONSTRUCTION SKILLS, 7E

Richard Moran

© 2024, 400pp, Spiral, 9780170463126

MindTap **eBook**



Basic Building and Construction Skills 7e is designed for the Certificate III in Carpentry qualification (CPC30220). This market-leading text provides underpinning knowledge and skills for apprentices to work safely, efficiently and prolifically in the building

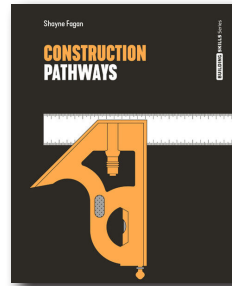
and construction industry. The text combines standard industry practice with the newest industry technology, tools and benchmarks. The text is fully updated to reflect present day building practices, standards and legislation, with a strong focus on sustainability. This bestselling title is built for learning with colour photographs and illustrations, with concepts explained in context to help student understanding. Work Health and Safety (WHS) icons identify critical points for concern and learning tasks at the end of every key topic help students apply the knowledge and skills. The worksheets at the end of each chapter are aligned to the Unit of Competency and are a resource for trainers to provide formative assessment and feedback on learner progression. Students may also use the assessment material at the end of each chapter as a record of their learning achievements.

## CONSTRUCTION PATHWAYS

Shayne Fagan, TAFE NSW

© 2022, 432pp, Spiral, 9780170454025

**eBook**



Construction Pathways is designed for the latest Certificate II in Construction Pathways (CPC20220). The text covers all the core competencies along with the main high-volume trade electives such as Carpentry, Bricklaying and Wall and Floor Tiling all in one book.

It is packed with practice activities, exercises, illustrations and images to help you understand the concepts.

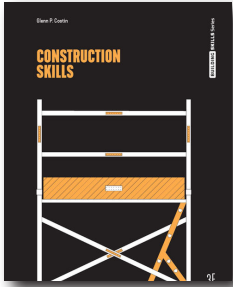


## CONSTRUCTION SKILLS, 3E

Glenn Costin, Deakin University

© 2021, 336pp, Spiral, 9780170444422

### MindTap eBook



Construction Skills, 3e covers important safety areas from Certificate III in Carpentry/Carpentry and Joinery, Certificate III in Plumbing and across the trades. It includes end-of-chapter worksheets, explanation and definition of terms, coverage of

regulation and codes, real-world examples and practical demonstrations. Written to competency units: CPCCCM2012 – Work safely at heights CPCCCA3027 – Powder-actuated tools CPCCCM3001 – Elevated work platforms CPCCCM2008 – Restricted height scaffolding The best-selling Building Skills series addresses the key competencies of the Certificate III in Carpentry. Series titles are built for learning with colour photographs and illustrations, online tools, and concepts explored in context to help your understanding.

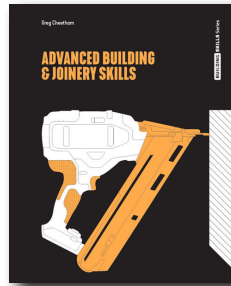
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## ADVANCED BUILDING & JOINERY SKILLS, 3E

Greg Cheetham, South Western Sydney Institute (SWSI)

© 2020, 504pp, Spiral, 9780170421867

### MindTap eBook



The bestselling Building Skills series addresses the key competencies of the Certificate III in Carpentry, and gives you context for important concepts to help your understanding. Colour photographs and illustrations make learning visual and interactive.

Advanced Building and Joinery Skills, 3e covers standard industry practice and combines this with information on the newest technology and tools. Work Health and Safety (WHS) icons help you identify points for concern, and activities help you apply the knowledge and skills you've learnt. Other end of chapter tools helps you to review, practice and extend your knowledge of the key learning objectives. Units of competency covered: 1. CPCCCA3019 2. CPCCCA3018 3. CPCCCA3010 4. CPCCCA3012 5. CPCCCA3024 6. CPCCCA3016 7. CPCCCA3009 8. CPCCCA3017 9. CPCCJN3004

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## CONSTRUCTION TECHNOLOGY FOR BUILDERS

Glenn Costin, Deakin University

© 2020, 512pp, Spiral, 9780170416047

### eBook



Building and Construction Management, 1e is a competency-based text, addressing the Certificate IV in Building and Construction. The text has practice activities and worksheets, and addresses structural principles, Codes, Standards and legal

requirements. A technical glossary is included, as well as appendices containing additional learning material. The student website that accompanies new copies of the text includes downloadable worksheets so you can practise and reinforce your learning.

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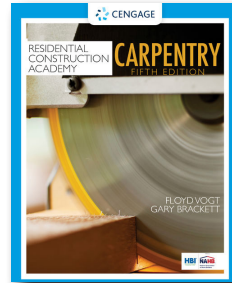
## RESIDENTIAL CONSTRUCTION ACADEMY, 5E

Carpentry

Floyd Vogt, State University of New York, Delhi; Gary Brackett, State University of New York, Delhi

© 2020, 816pp, Hardback, 9781337918503

### MindTap eBook



Created through a partnership between Home Builders Institute (HBI) and the National Association of Home Builders (NAHB), this best-selling resource uses a visual, practical, instructional approach to teach you how to build a home and help you develop essential skills. RESIDENTIAL CONSTRUCTION ACADEMY: CARPENTRY, Fifth Edition, provides a logical, sequential introduction to essential construction topics. Each chapter begins with learning objectives and a glossary, features relevant pictures and diagrams to reinforce key ideas, and concludes with construction procedures and review questions. Throughout the text, the authors also highlight important techniques, tools, materials, code requirements, and best practices you'll need to know as you begin your career in residential building construction.

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## SITE ESTABLISHMENT, FORMWORK AND FRAMING, 4E

Adrian Laws, Wagga Wagga TAFE

© 2020, 480pp, Spiral, 9780170422529

### MindTap eBook



Site Establishment Formwork & Framing is designed to complement your onsite learning experiences. It covers what to do with a vacant site, setting out a building on that site, and completion of the framed building with walls, roof and eaves in place.

Each chapter deals with the main events involved in the process of taking that vacant site through to the completed building. The text heavily references Australian building standards, codes and guides. The updated coverage of sustainability, materials, tools and industry benchmarks, coupled with revised end-of-section worksheets and online study tools, makes this edition the most up-to-date and comprehensive resource in the market. The bestselling Building Skills series addresses the key competencies of the Certificate III in Carpentry. Units of competencies covered: CPCCOM3006 CPCCCA3002 CPCCCM2002 CPCCCA3028 CPCCSF2004 CPCCCO2013 CPCCCA3003 CPCCCA3004 CPCCCA3005 CPCCCA3007 CPCCCA3006 CPCCCA3008 CPCCCA3014 CPCCCA3001

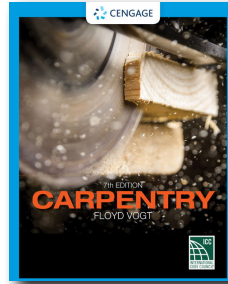
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## CARPENTRY, 7E

Floyd Vogt, State University of New York, Delhi

© 2020, 1040pp, Hardback, 9781337798198

### MindTap eBook



Refine the skills needed to become an accomplished professional carpenter with the in-depth coverage and practical applications found in CARPENTRY, Seventh Edition. This bestseller by well-known expert Floyd Vogt presents the intricate system of contemporary

light frame building construction using reader-friendly, step-by-step procedures. Content follows the logical path of a residential project, using thorough explanations, easy-to-follow diagrams, and dynamic real-world visuals to explore building plans, sitework and layout, footings and foundations, framing, interior and exterior surfaces, cabinetry, and more. The new edition features essential information on traditional construction, as well as today's latest practices, including contemporary safety tools and techniques, use of alternative construction such as concrete forms, and "green" building techniques. This edition also includes additional emphasis on how techniques apply to commercial drawings and construction. From building layout through finishing with trim carpentry, each section features step-by-step procedures and photo-realistic drawings for key carpentry jobs, along with tips of the trade and insights into today's industry. In addition, a new online MindTap provides interactive learning tools ideal for today's learners, making it even easier for you to prepare for success as a professional carpenter.

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## RESIDENTIAL CONSTRUCTION ACADEMY, 3E

Facilities Maintenance: Maintaining, Repairing, and Remodeling

*Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst*

© 2014, 592pp, Paperback, 9781133282433

### eBook



Created in partnership with the Home Builders Institute (HBI), the workforce development arm of the National Association of Home Builders (NAHB), the Residential Construction Academy Series is the only program based on the National Skill Standards for

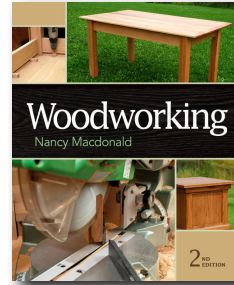
residential construction. Step-by-step illustrations and an easy-to-read writing style make RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3E the powerful tool you need for any facilities maintenance course. This edition walks you through a straightforward approach that describes common maintenance tasks in detail, like carpentry, wiring, groundskeeping, appliance repair, painting, plumbing, and HVAC. Enhanced chapters on basic math and blueprint reading give you the most comprehensive training available. See the last three chapters for your energy efficiency concerns, two chapters on Weatherization and one on Solar. Plus, each section emphasizes safety and highlights the skills you can build that employers are searching for. RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3RD is the manual you need to develop a solid foundation in facilities maintenance.

## WOODWORKING, 2E

*Nancy MacDonald, State University of New York at Delhi*

© 2014, 896pp, Hardback, 9781133949633

### MindTap eBook



A comprehensive guide for aspiring carpenters, cabinetmakers, or woodworking hobbyists, WOODWORKING, 2nd Edition introduces the basics of woodworking tools and materials while also exploring the art of creating finished pieces and

establishing a career in the woodworking industry. Featuring a full color design, each procedure is fully explained in a clear, step-by-step manner, from the beginner woodworking tasks to the more complex processes involved in cabinetry, joinery, finish carpentry and more. With a strong emphasis on safety and solid craftsmanship, WOODWORKING, 2nd Edition encourages the development of effective practices and skills that are sure to lead to success!

## GREEN BUILDING

Principles and Practices in Residential Construction

*Abe Kruger; Carl Seville*

© 2013, 608pp, Hardback, 9781111135959

### eBook



GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION provides a current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge

technology and the latest industry trends, this text offers an in-depth introduction to the construction of “green” homes. Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to “think green” from start to finish, empowering and inspiring them to build truly sustainable homes.

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## NATIONAL GEOGRAPHIC READER: ARCHITECTURE & CONSTRUCTION (WITH VPG EBOOK PRINTED ACCESS CARD)

*National Geographic Learning*

© 2013, 115pp, Paperback, 9781133960232

### eBook



Bring your learning to life with compelling images, media and text from National Geographic. ARCHITECTURE AND CONSTRUCTION W/PAC eBook will help you develop a clearer understanding of the world around you through

engaging content. This reader is designed to be used in combination with several core texts in Architecture, Engineering and Construction. Used as a supplement with two strong brands of National Geographic and Delmar Learning, this reader bring relevancy, critical thinking skill activities, vocabulary and career information to topics covered in architecture and construction. With broad articles included in the reader, the companion website will allow you to apply topics as they show how the theories are applied in a real world setting.

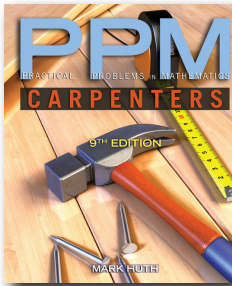
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS, 9E

Mark Huth

© 2012, 208pp, Paperback, 9781111313425

### eBook



Take command of any building and carpentry project with the robust, construction-specific math skills you will get from the 9th Edition of PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS. Divided into short units, this

combination book/workbook explains the math principles essential to carpentry and building construction in straightforward, concise language, and then reinforces each concept with samples of problems common in the trade. Step-by-step solutions to the problems, as well as detailed illustrations, help you easily understand the math, visualize its application in everyday carpentry work, and perform functions yourself.

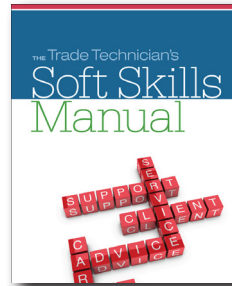
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## THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL

Steve Coscia

© 2012, 128pp, Paperback, 9781111313814

### MindTap eBook



Learning to express yourself in a positive and professional way can be an art-form. THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL, teaches these important soft skills with line drawings, photographs, and anecdotes from real case

studies. This approach makes the subject area approachable and engaging. The anecdotes are followed by explanations of proven service behaviors, along with proven standards, practice tips, forms, documents and checklists complete the text to teach you the fine art of customer service. Based on more than 30 years of studies and field research, this text teaches the skills you need to advance in your careers and differentiate yourself from others in their field. THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL is written by Steve Coscia, a motivational speaker who managed a technical support team for more than 20 years and has used these techniques and practices to advance his own career as an industry expert.

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## CONSTRUCTION MANAGEMENT

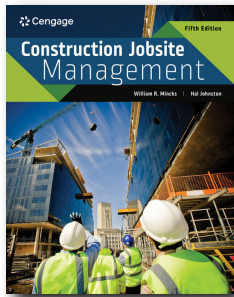
**NEW EDITION**

### CONSTRUCTION JOBSITE MANAGEMENT, 5E

*Mincks/Johnston*

© 2025, 416pp, Paperback, 9780357452943

MindTap



Mincks/Johnston's newly updated CONSTRUCTION JOBSITE MANAGEMENT, 5e, examines all facets of construction project management from the contractor's point of view. The responsibilities of project managers, c o n s t r u c t i o n

superintendents and construction engineers are covered in depth, from configuring a project team through closing out a project. The text maintains a strong focus on jobsite personnel activities, outlining proven procedures and offering helpful techniques to manage projects effectively from start to finish. Clear, concise language and accurate, relevant details make this book an essential introduction to the "real world" of construction jobsite management. The text introduces BIM in construction documents and lean construction methods.

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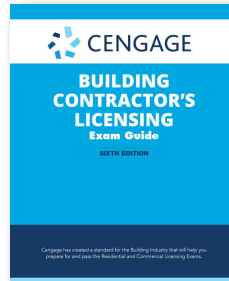
**NEW EDITION**

### CENGAGE BUILDING CONTRACTOR'S LICENSING EXAM GUIDE, 6E

Based on the 2021 IRC & IBC

*Christopher Prince*

© 2023, 240pp, Paperback, 9780357502563



This trusted guide helps you master the key concepts you will need to succeed on certification exams and in your professional career, from code and OSHA requirements to business management, building theory, relevant math concepts and industry

terminology. Now updated to reflect the 2021 International Residential Code® and International Building Code®, this valuable resource includes useful features like test-taking strategies, answer keys and access to the Cengage Online Licensing Exam Prep Course, which simulates the actual licensing exam experience.

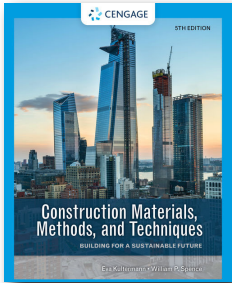
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## CONSTRUCTION MATERIALS, METHODS, AND TECHNIQUES, 5E

Building for a Sustainable Future

*Eva Kultermann, College of Architecture, Illinois Institute of Technology; William P. Spence, retired, Pittsburgh State University*

© 2022, 960pp, Hardback, 9780357513835



Get a thorough overview of sustainable methods for site, residential and commercial building construction with this comprehensive text, which covers both traditional and contemporary materials, current industry standards and new and emerging

technologies. The only text organized according to the Construction Specifications Institute (CSI) MasterFormat® standards, **CONSTRUCTION MATERIALS, METHODS AND TECHNIQUES: BUILDING FOR A SUSTAINABLE FUTURE**, Fifth Edition, features a reader-friendly style and logical structure, which follows the construction process step-by-step from project inception to completion. The new edition provides up-to-date coverage of dramatic changes underway in the construction industry, including advances in pre-fabricated construction; increased use of drones, robotics and artificial intelligence; net-zero buildings and lean construction. You'll learn about key current industry developments and standards, as well as latest relevant building codes, all presented within a dynamic, richly illustrated new design. Beyond the text itself, you can access a wealth of helpful learning resources to help you gain a clear understanding of today's construction materials, methods and techniques, providing a critical foundation for your career success.

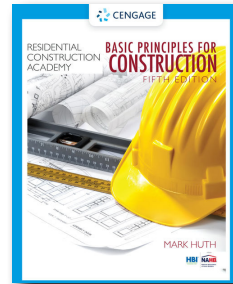
## RESIDENTIAL CONSTRUCTION ACADEMY, 5E

Basic Principles for Construction

*Mark W. Huth*

© 2020, 368pp, Hardback, 9781337913829

MindTap eBook



Prepare for a successful career in the building trades with **RESIDENTIAL CONSTRUCTION ACADEMY: BASIC PRINCIPLES FOR CONSTRUCTION**, Fifth Edition. This reader-friendly, highly visual, full-color book was created in partnership

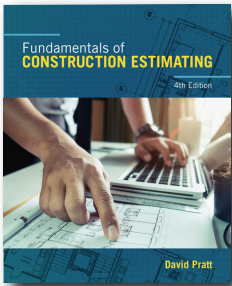
with the Home Builders Institute (HBI) and based on National Skill Standards for residential construction, so you can be confident you'll gain the knowledge and skills you need to succeed. The new edition includes updates to give you the latest information on today's industry standards, current technology and techniques, and practices you'll likely encounter on the job. You'll also learn essential ideas and skills to help you launch and grow your career, including work ethics, safety procedures, construction mathematics, communications, print reading, and common tools.

## FUNDAMENTALS OF CONSTRUCTION ESTIMATING, 4E

David Pratt, Southern Alberta Institute of Technology, Calgary, AB, Canada

© 2019, 496pp, Hardback, 9781337399395

### MindTap eBook



Master the key principles of construction estimating and develop the skills you need to become a professional estimator with this comprehensive resource. Presenting estimating procedures in a straightforward and engaging way,

FUNDAMENTALS OF CONSTRUCTION ESTIMATING, Fourth Edition, clearly explains key processes of estimating and costing construction work such as quantity takeoff; pricing of contractor work, sub-trade work, and site overhead; and compiling bid documents. Even better, the text includes realistic drawings of two major projects (residential and commercial) to guide you through a complete estimating process that can be followed by various trades on many different types of construction projects.

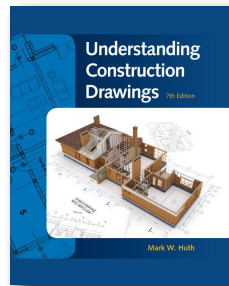
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## UNDERSTANDING CONSTRUCTION DRAWINGS, 7E

Mark W. Huth

© 2019, 360pp, Paperback, 9781337408639

### MindTap eBook



This proven, uniquely practical text provides your students with a thorough guide to reading, understanding, and working with construction drawings. Now updated to reflect the 2015 International Building Code® and 2015 International Residential

Code®, the Seventh Edition includes accurate, up-to-date information on current materials, practices, and standards to prepare students for career success in modern building trades. The text is designed from start to finish for real-world relevance, with topics organized by actual construction processes, realistic construction drawings integrated into chapter content, hundreds of practical questions and activities, and full-size residential and commercial construction prints. The author covers fundamental concepts including views, lines, basic dimensioning, and symbols, as well as more advanced principles and practices such as orienting and cross-referencing drawings, interpreting complex drawings, and working with commercial construction elements like structural steel, masonry, and reinforced concrete. In addition to updates related to 2015 codes, the text features an all-new unit covering multi-building developments, fire code and sound control measures, and seismic considerations, with new drawings for a four-story, two-family building in an urban, seismic-sensitive area.

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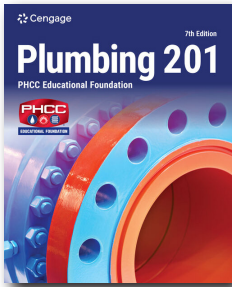
**NEW EDITION**

**PLUMBING 201, 7E**

PHCC Educational Foundation/Moore

© 2026, 608pp, Paperback, 9798214113975

**MindTap eBook**



PHCC Educational Foundation/Moore's PLUMBING 201, 7th Edition, offers practical knowledge and skills grounded in the real-world issues that plumbing professionals face. This proven resource was developed in partnership

with the PHCC Educational Foundation, with curriculum and content created by educators and industry professionals. Building on the fundamentals covered in PLUMBING 101, this volume covers piping materials, sources and distribution for potable water, water pipe sizing, cross-connection protection, water heaters, sewage disposal, drainage fixture units, building drains, stacks and more. This edition features revised outcomes that align with today's learning trends. A clear, straightforward writing style, realistic examples and a strong, hands-on emphasis of applications make this text an invaluable resource for anyone entering or working in the plumbing industry.

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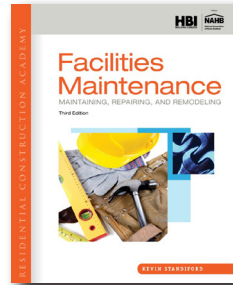
**RESIDENTIAL CONSTRUCTION ACADEMY, 3E**

Facilities Maintenance: Maintaining, Repairing, and Remodeling

Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst

© 2014, 592pp, Paperback, 9781133282433

**eBook**



Created in partnership with the Home Builders Institute (HBI), the workforce development arm of the National Association of Home Builders (NAHB), the Residential Construction Academy Series is the only program based on the National Skill Standards for

residential construction. Step-by-step illustrations and an easy-to-read writing style make RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3E the powerful tool you need for any facilities maintenance course. This edition walks you through a straightforward approach that describes common maintenance tasks in detail, like carpentry, wiring, groundskeeping, appliance repair, painting, plumbing, and HVAC. Enhanced chapters on basic math and blueprint reading give you the most comprehensive training available. See the last three chapters for your energy efficiency concerns, two chapters on Weatherization and one on Solar. Plus, each section emphasizes safety and highlights the skills you can build that employers are searching for. RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3RD is the manual you need to develop a solid foundation in facilities maintenance.

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## GREEN BUILDING

Principles and Practices in Residential Construction

*Abe Kruger; Carl Seville*

© 2013, 608pp, Hardback, 9781111135959

### eBook



**GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION** provides a current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge

technology and the latest industry trends, this text offers an in-depth introduction to the construction of “green” homes. Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to “think green” from start to finish, empowering and inspiring them to build truly sustainable homes.

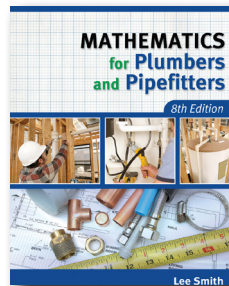
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## MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8E

*Lee Smith*

© 2013, 288pp, Paperback, 97811111642600

### eBook



Now in its 8th edition, **MATHEMATICS FOR PLUMBERS AND PIPEFITTERS** delivers the essential math skills necessary in the plumbing and pipefitting professions. Starting with a thorough math review to ensure a solid foundation, the book

progresses into specific on-the-job applications, such as pipe length calculations, sheet metal work, and the builder’s level. Broad-based subjects like physics, volume, pressures, and capacities round out your knowledge, while a new chapter on the business of plumbing invites you to consider an exciting entrepreneurial venture. Written by a Master Plumber and experienced vocational educator, **MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8th Edition** includes a multitude of real-world examples, reference tables, and formulas to help you build a rewarding career in the plumbing and pipefitting trade.

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## NATIONAL GEOGRAPHIC READER: ARCHITECTURE & CONSTRUCTION (WITH VPG EBOOK PRINTED ACCESS CARD)

National Geographic Learning

© 2013, 115pp, Paperback, 9781133960232

### eBook



Bring your learning to life with compelling images, media and text from National Geographic. ARCHITECTURE AND CONSTRUCTION W/PAC eBook will help you develop a clearer understanding of the world around you through

engaging content. This reader is designed to be used in combination with several core texts in Architecture, Engineering and Construction. Used as a supplement with two strong brands of National Geographic and Delmar Learning, this reader bring relevancy, critical thinking skill activities, vocabulary and career information to topics covered in architecture and construction. With broad articles included in the reader, the companion website will allow you to apply topics as they show how the theories are applied in a real world setting.

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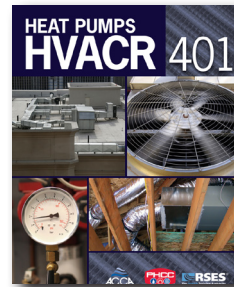
## HVACR 401

Heat Pumps

John Hohman

© 2012, 400pp, Paperback, 9781428340022

### eBook



HVACR 401: HEAT PUMPS sets itself apart from other books on the market with its emphasis on the service technician perspective, instead of the design engineer viewpoint. The book begins with a review of the refrigeration cycle in comfort conditioning, and

gradually progresses to more in-depth topics, including electrical schematics, maintenance, geothermal heat pumps, and troubleshooting case studies. With content that has been closely reviewed and revised in conjunction with the most respected national organizations in the HVACR industry (ACCA, PHCC, and RSES), this will prove to be a valuable learning tool that offers a wide range of critical concepts, presented in a clear, straightforward manner that facilitates comprehension and encourages you to apply the information as you learn it. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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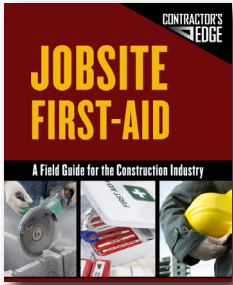
## JOBSITE FIRST AID

A Field Guide for the Construction Industry

Dan Johnson

© 2012, 112pp, Spiral, 9781111038632

### eBook



When a jobsite emergency arises, it's the people on the job that are the first responders. This gives those people — the contractors, the construction workers, and anyone else onsite — the critical responsibility of quickly and effectively acting to

minimize damage and maximize safety. Prepare for this important role with **JOBSITE FIRST AID: A FIELD GUIDE FOR THE CONSTRUCTION INDUSTRY**. This book takes a systematic approach to responding to emergency situations, from minor burns to life-threatening events and situations. It is the perfect complement to hands-on safety training, and it's ideally packaged to fit into your toolbox, glove box, or desk drawer, so that it can be easily accessed when needed. Check out our app, **DEWALT® Mobile Pro™**. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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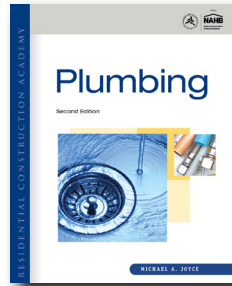
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Plumbing

Michael A. Joyce; Ray Holder

© 2012, 640pp, Hardback, 9781111307776

### eBook



**RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E** is the ideal book to create a direct link between your education/training program and the residential construction industry. The result of a strategic partnership between the

National Association of Home Builder's (NAHB) Home Builders Institute and Delmar, Cengage Learning, the Residential Construction Academy Series is the perfect way to learn essential workplace skills for readers new to the building trades. Written in partnership with the Home Builders Institute, and endorsed by NAHB, **RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E** provides a step-by-step approach to residential plumbing installations based on national skill standards. Focusing on "Green" advancement in the plumbing trades, this book thoroughly explains the process of installing residential plumbing systems by exploring topics such as tools of the trade and proper safety measures and by offering various tips to increase readers' on-the-job productivity. Logically organized to build a foundation of knowledge, this book progresses from the installation of common fixtures to troubleshooting techniques that will aid readers. An emphasis on creative layout and the importance of understanding code variations will foster readers' understanding of plumbing system installation that is based on typical situations as well as unique jobsite conditions.

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## HVACR 101

Joseph Moravek, Nance Universal HVACR Technical School,  
Beaumont, Texas

© 2009, 464pp, Paperback, 9781418066635

### eBook



Designed to guide apprentices, entry-level technicians, and first-year students through their first experiences in the HVAC/R trade, HVAC 101 provides a solid and thorough introduction to the field. It is the culmination of the efforts of industry leaders like the

Air Conditioning Contractors of America (ACCA), PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee (PHCC Educational Foundation), and Refrigeration Service Engineers Society (RSES). Backed by these organizations and the high standards and cutting-edge resources that they are known for, the book begins with simple concepts that provide an overview of the world of HVAC/R and its main systems and components. Coverage then progresses to increasingly complex procedures, such as maintenance and inspection, installation and repair, and customer service and sales. This building-block approach, combined with numerous practical examples, makes the book the ideal resource for learning and applying key HVAC/R concepts. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

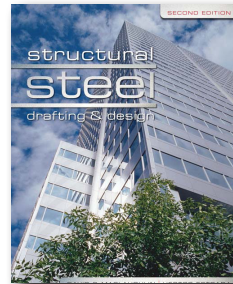
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## STRUCTURAL STEEL DRAFTING AND DESIGN, 2E

David C. MacLaughlin, Chippewa Valley Technical College;  
Hector Estrada

© 2009, 320pp, Paperback, 9781401890322

### eBook



Practical and easy to use, this text lays a solid groundwork for beginning and intermediate students to pursue careers in architecture, construction, or civil engineering. The text clarifies the vital interdependence between structural steel design and

fabrication drawings, equipping students to work flexibly with both. First and foremost a drafting book, Structural Steel Drafting and Design gives an overview of structural design theory while providing numerous examples, illustrations, and real-world assignments. Students also become acquainted with critical tables and reference material from industry-standard sources, as well as the merits of Load and Resistance Factor Design and Allowable Strength Design.

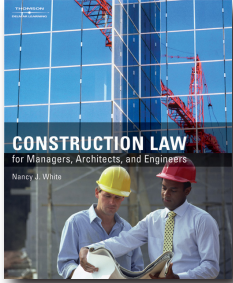
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## CONSTRUCTION LAW FOR MANAGERS, ARCHITECTS, AND ENGINEERS

Nancy J. White, Central Michigan University

© 2008, 528pp, Paperback, 9781418048471

### eBook



The construction industry now has a clear, targeted resource for learning pertinent legal principles. Traditional books focus on general legal principles or general construction practices, while this book focuses on that critical place where the law and

construction practices intersect. From labor law to contracts, property law to insurance, Construction Law for Managers, Architects, and Engineers uses real-world examples and clear, straightforward business language to transform complex legal jargon into relevant, applicable legal principles and strategies. This book serves as an ideal reference for managers, architects, engineers, construction executives, as well as a useful learning tool for students seeking the knowledge to succeed in these important fields. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## ELECTRICAL

### NEW EDITION

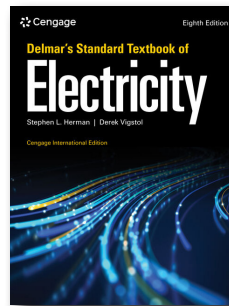
## DELMAR'S STANDARD TEXTBOOK OF ELECTRICITY, 9E

Cengage International Edition

Herman/Vigstol

© 2026, 1024pp, Hardback, 9798214129518

### MindTap



Herman/Vigstol's DELMAR'S STANDARD TEXTBOOK OF ELECTRICITY, CENGAGE INTERNATIONAL EDITION 8th Edition, combines basic electrical theory with practical information with no requirement for prior electrical knowledge. The

text also limits math to basic algebra and trigonometry with step-by-step examples. Quality schematics and illustrations guide students through basic electrical circuits, DC and AC theory and equipment such as meters, transformers and motors. Numerous examples demonstrate how to complete common tasks electricians perform, while specific units cover only one or two topics each to ensure clarity. In addition, any discussion of installation practices has been written for compliance with the 2023 edition of NFPA 70?: National Electrical Code? (NEC?). MindTap online resources are also available with interactive multimedia and options to customize, track and report progress.

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**NEW EDITION****UNDERSTANDING MOTOR CONTROLS, 5E**

Cengage International Edition

*Herman/Seiler*

© 2026, 657pp, Hardback, 9798214129464

**MindTap eBook**

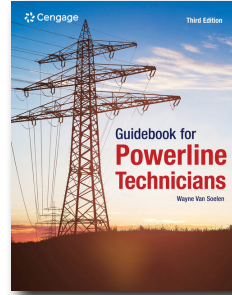
Herman/Seiler's UNDERSTANDING MOTOR CONTROLS, Cengage International Edition, is designed for students with no previous experience in motor controls and introduces basic principles for using components in motor

control circuits. Illustrations depict the building of complicated circuits and troubleshooting skills with basic types of meters and test equipment. While the use of modern equipment is highlighted throughout the book, legacy types of timers and other motor control devices are also included for reference. Updates include the most recent edition of the National Electrical Code?, clearly illustrating how to select overloads and protect the control circuitry. Motor control components and hands-on laboratory experiments enable students to practice concepts, starting with simple circuits and advancing to more complicated topics involving timing relays, programmable devices and auto-transformer starters.

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**NEW EDITION****GUIDEBOOK FOR POWERLINE TECHNICIANS, 3E***Van Soelen*

© 2025, 720pp, Paperback, 9780357934586

**MindTap**

Van Soelen's GUIDEBOOK FOR POWERLINE TECHNICIANS, 3rd Edition, is a convenient, single-volume reference guide on the operation of electrical utility systems. Students are given practical coverage of the equipment and situations that power line

technicians are exposed to on a daily basis. Simple concepts are explained first, building upon the fundamentals to explain more complex theories. Updates include the most current industry information, including applications of recent technology. This book contains in-depth exploration of mechanical aspects of the job such as working with rigging, trucks, stringing wire and tree felling. The need for safety and training is highlighted throughout the book, giving students a guide to learning the skills to construct, operate and maintain lines and cables in an electrical utility system.

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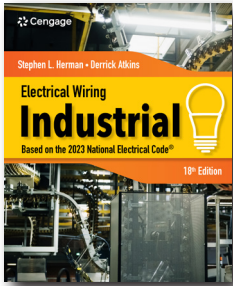
## NEW EDITION

### ELECTRICAL WIRING INDUSTRIAL, 18E

*Stephen L. Herman, Lee College (retired); Derrick Atkins,  
Minneapolis Electrical JATC*

© 2024, 416pp, Paperback, 9780357767245

## eBook



With step-by-step guidance and a reader-friendly style, *Herman / Atkins's ELECTRICAL WIRING INDUSTRIAL, 18th Edition*, helps you gain the essential knowledge and skills you need to safely install wiring systems in an industrial building. It features vivid,

full-color photographs and illustrations, numerous example problems and detailed solutions that help bring key concepts to life and clearly demonstrate how important ideas apply to real-world situations. The 18th Edition has been thoroughly updated to reflect the 2023 National Electric Code®, the industry standard for electrical systems layout and construction. A set of building blueprints is also included to help you connect chapter concepts to a realistic industrial building project.

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## NEW EDITION

### ELECTRICAL WIRING RESIDENTIAL, 21E

*Ray C. Mullin; Phil Simmons, Simmons Electrical Services;  
Derek Vigstol, e-Hazard Management, LLC*

© 2024, 848pp, Paperback, 9780357766965

## MindTap eBook



Master the latest industry standards and procedures with proven industry leader Mullin/Simmons/ Vigstol's *ELECTRICAL WIRING RESIDENTIAL, 21st Edition*. In addition to comprehensive, authoritative coverage of the 2023 NFPA 70®:

National Electrical Code® (NEC®), this trusted text gives you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, *ELECTRICAL WIRING RESIDENTIAL* offers detailed explanations without being overly technical and clearly relates the NEC® to real-world installation processes used by today's professionals. Vivid illustrations coordinate with the latest NEC® regulations, and foldout plans provide hands-on practice applying code requirements to prepare you for career success.

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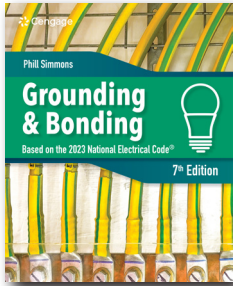
## NEW EDITION

### ELECTRICAL GROUNDING AND BONDING, 7E

*Phil Simmons, Simmons Electrical Services; Mark Ode, Southwest Electrical Training and Consulting*

© 2024, 432pp, Paperback, 9780357766835

## eBook



Completely updated to reflect the 2023 National Electrical Code®, Simmons/Ode's **ELECTRICAL GROUNDING AND BONDING**, 7th edition, equips you with a user-friendly, practical guide to the latest requirements in both Article 250 and Chapter

5 of the NEC® along with current industry best practices. Clear explanations, real-world examples and colorful illustrations help you master and apply key electrical concepts, such as calculating conductor sizes, reading and interpreting NEC tables, using grounded conductor connections in AC systems, managing installations and sizing, and applying “green” practices for energy efficiency and environmental sustainability. Whether you are pursuing a degree program, professional training or an apprenticeship, this must-have resource prepares you for career success.

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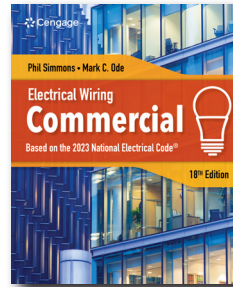
## NEW EDITION

### ELECTRICAL WIRING COMMERCIAL, 18E

*Phil Simmons, Simmons Electrical Services; Ray C. Mullin; Mark Ode, Southwest Electrical Training and Consulting*

© 2024, 640pp, Paperback, 9780357767108

## MindTap eBook



Completely revised to reflect the 2023 National Electrical Code® (NEC®), **ELECTRICAL WIRING COMMERCIAL**, Eighteenth Edition, offers the most current coverage available, giving you accurate, up-to-date information on the essential industry standards

you will need to apply as a working professional. This reader-friendly, trusted resource is filled with vibrant, full-color illustrations and photographs, bringing even difficult concepts to life and making complex material easier to understand. In addition to updates based on the 2023 NEC, the Eighteenth Edition features information on important recent developments in electrical design and installation, a strong emphasis on green technologies and safety in the workplace and ample coverage of topics you will likely encounter in this dynamic field. Providing uniquely practical preparation for real-world success, the text includes a full set of blueprints that walk you through designing and installing a commercial electrical project compliant with the latest edition of the NEC.

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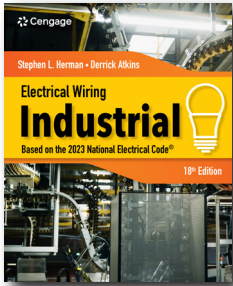
## NEW EDITION

# ELECTRICAL WIRING INDUSTRIAL, 18E

Stephen L. Herman, Lee College (retired); Derrick Atkins, Minneapolis Electrical JATC

© 2024, 416pp, Paperback, 9780357767245

## eBook



With step-by-step guidance and a reader-friendly style, Herman/Atkins's **ELECTRICAL WIRING INDUSTRIAL, 18th Edition**, helps you gain the essential knowledge and skills you need to safely install wiring systems in an industrial building. It features vivid,

full-color photographs and illustrations, numerous example problems and detailed solutions that help bring key concepts to life and clearly demonstrate how important ideas apply to real-world situations. The 18th Edition has been thoroughly updated to reflect the 2023 National Electric Code®, the industry standard for electrical systems layout and construction. A set of building blueprints is also included to help you connect chapter concepts to a realistic industrial building project.

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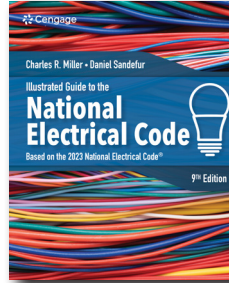
## NEW EDITION

# ILLUSTRATED GUIDE TO THE NATIONAL ELECTRICAL CODE, 9E

Charles R. Miller

© 2024, 512pp, Paperback, 9780357766712

## MindTap eBook



This uniquely effective guide will help you master the 2023 National Electrical Code®. The author uses highly detailed, technically accurate illustrations to make even the most complex aspects of the code easier to understand and apply, translating the

often complicated language of the 2023 NEC® into clear, simple instructions and helpful visuals. Organized logically to make learning easier, the text introduces you to fundamental concepts before progressing to requirements for various dwellings, including one-family homes, multi-family housing, commercial locations and special occupancies. In addition, a convenient, modular format makes it easy to reference relevant information whenever you need it. The Ninth Edition of this trusted resource provides detailed information on key updates and additions to the 2023 NEC, so you can confidently master the industry standards and best practices you'll need to know for career success. With comprehensive coverage, an innovative learning approach and accurate, up-to-date information, this indispensable guide is an ideal resource for students and professionals alike.

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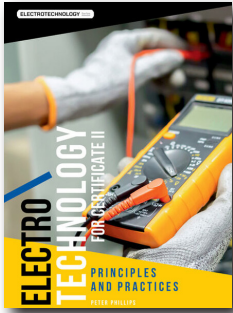
## ELECTROTECHNOLOGY FOR CERTIFICATE II PRINCIPLES AND PRACTICES, 9E

Cengage International Edition

Phillips

© 2024, 9780170472944

### MindTap



Electrotechnology for Certificate II addresses the requirements of the Certificate II Electrotechnology qualification ? UEE22020. The text covers core theoretical aspects of the course and contains practice activities (examples and exercises) in each

chapter thereby creating a good blend of theory and practicals.

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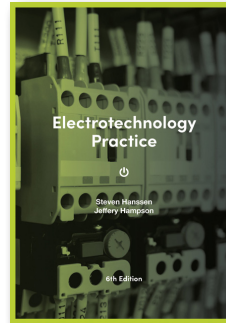
### NEW EDITION

## ELECTROTECHNOLOGY PRACTICE, 6E

Jeffrey Hampson, Retired; Jeffrey Hampson, Retired

© 2023, 664pp, Paperback, 9780170458863

### eBook



Electrotechnology Practice includes more than 1000 illustrations to help you learn various concepts and the real-world aspects of electrical practices. The text has a range of examples and review questions to support your understanding. It covers the two key qualifications in the UEE

Electrotechnology Training Package: - Certificate II in Electrotechnology (Career Start)- UEE22020 - Certificate III in Electrotechnology Electrician- UEE30820 Electrotechnology Practice prepares you to sit for the Capstone Assessment or the Licenced Electrician's Assessment (LEA), which is a requirement for an Electrician's Licence. MindTap resources for students include concept checks, variety of instructional videos, revision quizzes, trial exams, review exercises and labeling activities.

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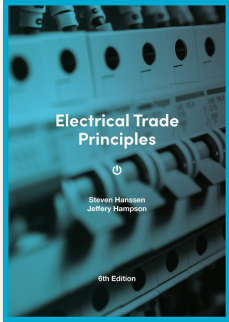
**NEW EDITION**

## ELECTRICAL TRADE PRINCIPLES, 6E

*Jeffrey Hampson, Retired; Jeffrey Hampson, Retired*

© 2023, 656pp, Paperback, 9780170458856

**MindTap eBook**



Electrical Trade Principles gives you the relevant industry knowledge that you need to progress through your course and complete the assessment needed to apply for an electrician's licence. With a focus on student essentials, this text responds to the changing needs of the industries and

includes more than 1000 illustrations to help you learn the subject material. Updated Trial Exam questions at the end of each chapter help you practise and prepare for the Capstone Assessment and Licensed Electrician's Assessment (LEA). The text addresses the units within the Electrotechnology Training Package for Certificate III (UEE30820), and references the new AS/NZS 3000:2018 Wiring Rules Standard.

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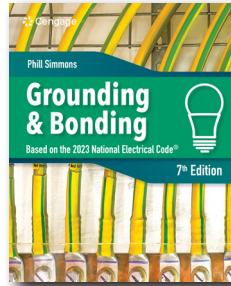
**NEW EDITION**

## ELECTRICAL GROUNDING AND BONDING, 7E

*Phil Simmons, Simmons Electrical Services; Mark Ode, Southwest Electrical Training and Consulting*

© 2024, 432pp, Paperback, 9780357766835

**eBook**



Completely updated to reflect the 2023 National Electrical Code®, Simmons/Ode's ELECTRICAL GROUNDING AND BONDING, 7th edition, equips you with a user-friendly, practical guide to the latest requirements in both Article 250 and Chapter

5 of the NEC® along with current industry best practices. Clear explanations, real-world examples and colorful illustrations help you master and apply key electrical concepts, such as calculating conductor sizes, reading and interpreting NEC tables, using grounded conductor connections in AC systems, managing installations and sizing, and applying “green” practices for energy efficiency and environmental sustainability. Whether you are pursuing a degree program, professional training or an apprenticeship, this must-have resource prepares you for career success.

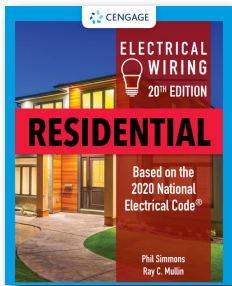
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## ELECTRICAL WIRING RESIDENTIAL, 20E

Ray C. Mullin; Phil Simmons, *Simmons Electrical Services*

© 2021, 848pp, Paperback, 9780357366479

### MindTap eBook



Master the latest industry standards and procedures with longtime market leader ELECTRICAL WIRING RESIDENTIAL, Twentieth Edition. In addition to comprehensive, authoritative coverage of the 2020 National Electrical Code® (NEC®), this trusted

text will give you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, the text offers detailed explanations without being overly technical, and content clearly relates the NEC to real-world installation processes used by today's professionals. Vivid Illustrations coordinate with the latest NEC regulations to provide further clarity, and foldout plans at the back of the text provide hands-on practice applying code requirements to prepare you for career success.

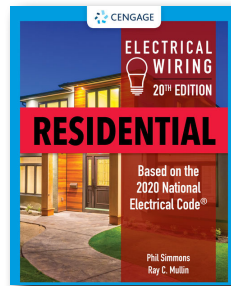
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## ELECTRICAL WIRING RESIDENTIAL, 20E

Ray C. Mullin; Phil Simmons, *Simmons Electrical Services*

© 2021, 848pp, Hardback, 9780357425688

### MindTap



Master the latest industry standards and procedures with longtime market leader ELECTRICAL WIRING RESIDENTIAL, Twentieth Edition. In addition to comprehensive, authoritative coverage of the 2020 National Electrical Code® (NEC®), this trusted

text will give you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, the text offers detailed explanations without being overly technical, and content clearly relates the NEC to real-world installation processes used by today's professionals. Vivid Illustrations coordinate with the latest NEC regulations to provide further clarity, and foldout plans at the back of the text provide hands-on practice applying code requirements to prepare you for career success.

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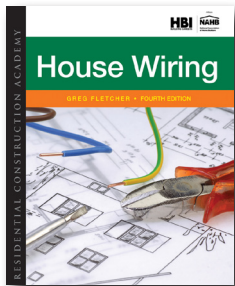
## RESIDENTIAL CONSTRUCTION ACADEMY, 4E

House Wiring

Gregory W. Fletcher, *Kennebec Valley Community College*

© 2016, 896pp, Hardback, 9781285852225

MindTap eBook



Completely up to date with the 2014 edition of the National Electrical Code, **RESIDENTIAL CONSTRUCTION ACADEMY: HOUSE WIRING, 4e** delivers the latest and best practices in residential electrical wiring.

This vividly illustrated, full-

color text is based on the HBI National Skill Standards that cover the skill sets necessary to achieve a first job in construction or as an electrician. The text provides thorough coverage of “green” topics, sustainable building practices, alternative energy systems, and much more. “From Experience” sections address common residential wiring practices and scenarios, while “Caution” boxes emphasize the ongoing importance of safety. In addition to a hands-on student workbook/lab manual, the text also points the reader to an all-new 3D immersive simulation performance ‘game’ to help learners prepare for real-world practice.

## NATIONAL ELECTRICAL CODE 2014

*National Fire Protection Association, Quincy, Massachusetts*

© 2014, 910pp, Paperback, 9781455906727



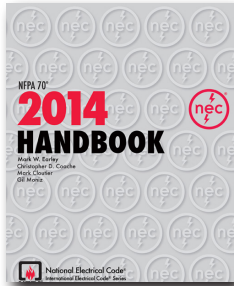
Are you up-to-code? Get the **NATIONAL ELECTRICAL CODE® 2014** today! Many new and revised requirements in the NEC® 2014 impact residential, commercial, and industrial electrical installations so be sure you are using this new edition

which covers the latest requirements on electrical wiring and equipment installation issues. All requirements in the NEC® are confirmed through a review process and always reflect the latest electrical and wiring technologies. For over 100 years, the NEC® has been the foundation of electrical wiring and practice and has become the most trusted electrical standard throughout much of the world.

## NATIONAL ELECTRICAL CODE 2014 HANDBOOK

National Fire Protection Association, Quincy, Massachusetts

© 2014, 1pp, Hardback, 9781455905447



Are you up-to-code? Get the NATIONAL ELECTRICAL CODE® 2014 HANDBOOK today! Many new and revised requirements in the NEC® 2014 impact residential, commercial, and industrial electrical installations so be sure you are using this new

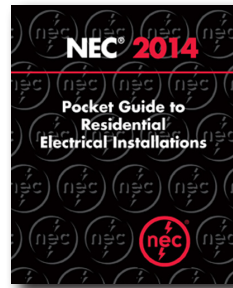
edition which covers the latest requirements on electrical wiring and equipment installation issues. This volume includes the entire NEC® 2014 along with the reasoning behind key concepts, real-world examples, and background information regarding revisions. All requirements in the NEC® are confirmed through a review process and always reflect the latest electrical and wiring technologies. For over 100 years, the NEC® has been the foundation of electrical wiring and practice and has become the most trusted electrical standard throughout much of the world.

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## NATIONAL ELECTRICAL CODE 2014 POCKET GUIDE FOR RESIDENTIAL ELECTRICAL INSTALLATIONS

National Fire Protection Association, Quincy, Massachusetts

© 2014, 540pp, Paperback, 9781455906789



Are you up-to-code? Get the NATIONAL ELECTRICAL CODE® 2014 POCKET GUIDE today! Many new and revised requirements impact electrical installations so be sure you are using this new edition which covers the latest requirements on

electrical wiring and equipment installation issues. All requirements are confirmed through a review process and always reflect the latest electrical and wiring technologies. For over 100 years, the NEC® has been the foundation of electrical wiring and practice and has become the most trusted electrical standard throughout much of the world. This new pocket guide contains selected tables and rules for help in performing a typical installation.

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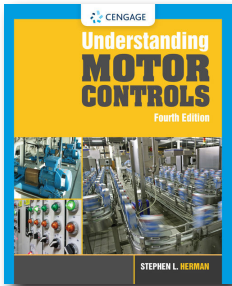


## UNDERSTANDING MOTOR CONTROLS, 4E

Stephen L. Herman, Lee College (retired)

© 2020, 720pp, Hardback, 9781337798686

MindTap eBook



Designed for students with no previous experience in motor controls, Herman's UNDERSTANDING MOTOR CONTROLS, 4E introduces basic principles and guides readers from learning about common motor control components to understanding how to use

components in motor control circuits. Numerous up-to-date illustrations depict troubleshooting circuits while thorough explanations detail basic types of meters and test equipment to troubleshoot control circuits. An updated chapter on installing motors corresponds with the National Electrical Code and clearly illustrates how to select overload heater sizes. Using actual motor control components, hands-on laboratory experiments enable students to practice the concepts they've learned. These student-friendly experiments start with simple circuits before advancing to more complicated circuits involving timing relays and auto-transformer starters.

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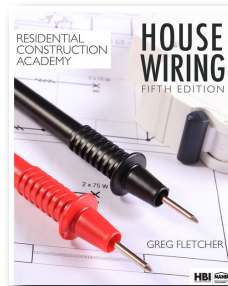
## RESIDENTIAL CONSTRUCTION ACADEMY, 5E

House Wiring

Gregory W. Fletcher, Kennebec Valley Community College

© 2019, 896pp, Hardback, 9781337402415

MindTap eBook



Gain the knowledge, hands-on skills, and industry insights you need to succeed with this proven guide to the latest and best practices in residential electrical wiring. Completely up to date with the 2017 National Electrical Code® and key Home Builders

Institute (HBI) National Skill Standards, this vividly illustrated, full-color text will give you a thorough grounding in basic residential wiring concepts. In addition, you'll learn about "green" topics such as sustainable building practices and alternative energy systems, as well as practical applications, real-world scenarios, and safety practices you're likely to encounter on the job. With special features to reinforce learning in every chapter, plus helpful print and digital support materials, RESIDENTIAL CONSTRUCTION ACADEMY: HOUSE WIRING, Fifth Edition, is your ideal resource for career success.

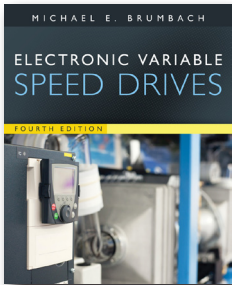
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## ELECTRONIC VARIABLE SPEED DRIVES, 4E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2018, 272pp, Paperback, 9781133134046

### eBook



Gain a thorough understanding of today's electronic variable speed drives with this one-of-a-kind practical guide. **ELECTRONIC VARIABLE SPEED DRIVES, 4E** provides the information essential for mastering DC and inverter drive

technology. Using a logical structure, this book introduces fundamental drive circuits before presenting more complex drive circuits. This new edition highlights the most current technology advances for drives. The authors use their extensive industry and teaching experience to present theory in a clear, straightforward manner with the emphasis you need on both troubleshooting and maintenance. New hands-on activities provide additional practice using the Allen-Bradley PowerFlex 70, while numerous waveform schematics guide you through operating different types of drives and interpreting their circuitry. Specific chapters focus on digital regenerative DC drives and frequency inverters as well as mechanical and electrical installation, set-up, tuning, programming, operating, and troubleshooting of each drive.

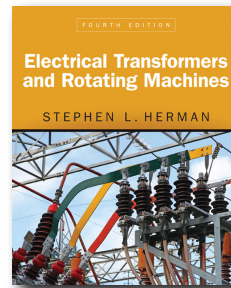
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## ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4E

Stephen L. Herman, Lee College (retired)

© 2017, 624pp, Paperback, 9781305494817

### eBook



Written specifically for future electricians, **ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4e** delivers comprehensive coverage that reflects real-world practice. Extremely student friendly, the book uses common language in

a format that is easy to understand. Offering the ideal blend of theory and hands-on applications, it integrates experiments throughout -- enabling you to put what you learn into practice. In addition, insightful schematics and illustrations ensure your thorough understanding of key concepts.

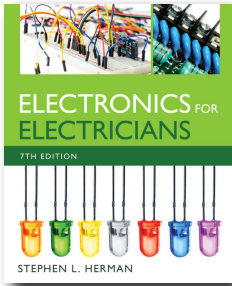
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## ELECTRONICS FOR ELECTRICIANS, 7E

Stephen L. Herman, *Lee College (retired)*

© 2017, 512pp, Paperback, 9781305505995

### MindTap eBook



The Seventh Edition of **ELECTRONICS FOR ELECTRICIANS** is a practical and relevant guide for anyone preparing for a career in industrial settings. With its updated graphics and increased coverage of important topics, this text helps you understand

components and circuits in terms of how they work, what they do, how to use them, and how to test them. Review questions and problems in every chapter expose you to the electronic devices commonly found in industry -- as well as the circuit applications of those devices -- while lab experiments give you hands-on experience putting what you learn into practice.

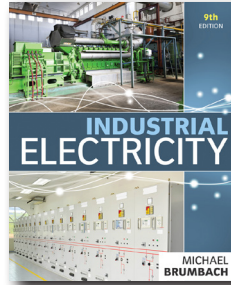
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## INDUSTRIAL ELECTRICITY, 9E

Michael E. Brumbach, *York Technical College, Rock Hill, South Carolina*

© 2017, 688pp, Hardback, 9781285863986

### MindTap eBook



**INDUSTRIAL ELECTRICITY**, Ninth Edition, presents the essentials of electrical theory in a clear, current, logical manner to help you master both fundamental concepts and more advanced subjects relevant to the field of industrial

electricity. Coverage begins with foundational topics like electrical symbols and drawings, current, voltage, resistance, and power, while subsequent chapters introduce Ohm's Law; series, parallel, and combination circuits; and resistive and reactive circuits. The text also includes thorough discussion of advanced subjects such as rotating machinery, motor controls, transformers, electronic drives, and PLCs, as well as practical information on key real-world applications of electrical theory, including installation, maintenance, and troubleshooting. The Ninth Edition features more than 800 illustrations and photos to help explain key concepts and bring theory and practice alike to life.

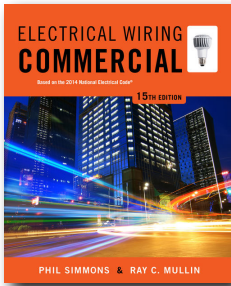
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## ELECTRICAL WIRING COMMERCIAL, 15E

*Phil Simmons, Simmons Electrical Services; Ray C. Mullin*

© 2015, 624pp, Paperback, 9781285186856

### eBook



Offering the most current coverage available, **ELECTRICAL WIRING COMMERCIAL, 15e** is completely revised and up to date with the 2014 National Electrical Code®. Extremely reader friendly, the text has long been popular with learners.

Vibrant, full-color illustrations and photographs help you easily grasp difficult concepts. The new edition continues the book's emphasis on newer green technologies and developments within electrical design and installation, including coverage of EV stations in commercial settings. It also offers expansive coverage of safety in the workplace.

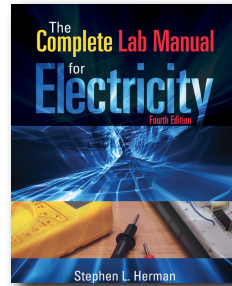
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## THE COMPLETE LAB MANUAL FOR ELECTRICITY, 4E

*Stephen L. Herman, Lee College (retired)*

© 2015, 480pp, Paperback, 9781133673828

### eBook



Now you can master the hands-on electrical skills you need for professional success with **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E** by best-selling author Stephen Herman. No matter what electrical theory book you

are using, **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY** offers the perfect fit with a logical progression of topics and meaningful, cost-effective experiments. Updated lab activities throughout this edition now incorporate the use of wirewound resistors rather than incandescent lamps to correspond with the latest government regulations. You explore all aspects of electrical concepts — from basic electricity through AC theory, transformers, and motor controls. Each lab offers a clear explanation of the circuits to be connected, examples of the calculations to complete the exercise, and step-by-step procedures for conducting the experiment. Trust **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E** as a stand-alone resource or ideal supplement (e.g., to the Delmar Standard Textbook of Electricity) for mastery of the hands-on electrical skills you need the most.

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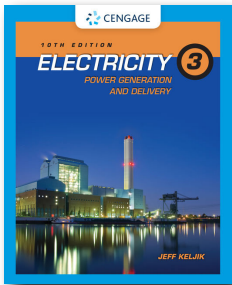
## ELECTRICITY 3, 10E

Power Generation and Delivery

Jeffrey J. Keljik, Dunwoody Institute, Minneapolis, MN

© 2014, 280pp, Paperback, 9781111646738

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 3: POWER GENERATION AND DELIVERY, 10E** explores various types of generators and the delivery of single phase and three-phase power to the customer site.

Its thorough coverage of

power generation and delivery includes topics such as DC generators, polyphase circuits, three-phase wye and delta connections, electrical characteristics of three-phase alternators, alternative power sources, transformers, and more. New photos and drawings offer vivid illustrations of text concepts. An excellent resource for both students and practicing electrical workers, **ELECTRICITY 3** emphasizes electrical system operation, giving readers a solid understanding of electrical procedures and how to apply them while troubleshooting.

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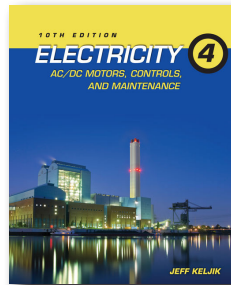
## ELECTRICITY 4, 10E

AC/DC Motors, Controls, and Maintenance

Jeffrey J. Keljik, Dunwoody Institute, Minneapolis, MN

© 2014, 372pp, Paperback, 9781111646752

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 4: AC/DC MOTORS, CONTROLS, AND MAINTENANCE, 10E** delivers practical coverage of AC/DC motors, controls, and maintenance. It offers you quick and easy access to current information on DC

motors, AC motors, motor control, electromechanical and solid-state relays and timers, synchronous motors, installation, sensyn units, motor maintenance, and more. The text combines thorough explanations of how systems work with relevant, hands-on examples of electrical system operation to help you develop troubleshooting skills. National Electrical Code®

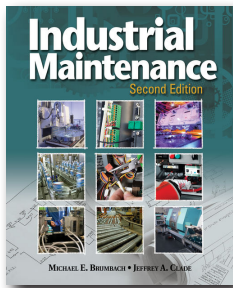
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Hardback, 9781133131199

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

information on safety, tools, industrial print reading, and electrical theory, this comprehensive text includes a detailed exploration of modern machinery and equipment to help you understand, diagnose, troubleshoot, and maintain a wide variety of industrial machines. This text has also been thoroughly updated and revised to reflect recent developments in this dynamic, rapidly evolving field, including current piping and fluid power symbols, rigging and mechanical installations, magnetism, transformers, motors and sensors, and industrial communications. With comprehensive, up-to-date coverage and a reader-friendly, modular presentation, INDUSTRIAL MAINTENANCE is the perfect resource to prepare you for success as an industrial maintenance technician.

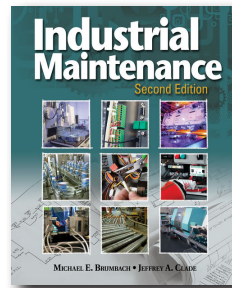
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Paperback, 9780357670644

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

information on safety, tools, industrial print reading, and electrical theory, this comprehensive text includes a detailed exploration of modern machinery and equipment to help you understand, diagnose, troubleshoot, and maintain a wide variety of industrial machines. This text has also been thoroughly updated and revised to reflect recent developments in this dynamic, rapidly evolving field, including current piping and fluid power symbols, rigging and mechanical installations, magnetism, transformers, motors and sensors, and industrial communications. With comprehensive, up-to-date coverage and a reader-friendly, modular presentation, INDUSTRIAL MAINTENANCE is the perfect resource to prepare you for success as an industrial maintenance technician.

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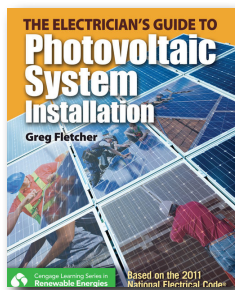


## THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION

Gregory W. Fletcher, *Kennebec Valley Community College*

© 2014, 352pp, Paperback, 9781111639969

### MindTap eBook



Written with the installing electrician in mind, THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION provides you with a simple, straightforward approach to understanding photovoltaic system installation in both residential and light

commercial buildings. Filled with illustrations, examples, and multiple opportunities for practice, this comprehensive book includes the most up-to-date information on photovoltaic installation available on the market today. In addition, coverage of topics such as the National Electrical Code® requirements for a photovoltaic system installation ensures that you will be well prepared for the North American Board of Certified Energy Practitioners' (NABCEP) entry level photovoltaic installer certification exam.

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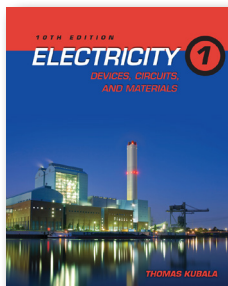
## ELECTRICITY 1, 10E

Devices, Circuits, and Materials

Thomas Kubala

© 2013, 192pp, Paperback, 9781111646691

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a solid foundation in electron theory and movement, direct-current series circuits, parallel circuits, series-parallel circuits, voltage line

drops, rotating machinery fundamentals, and more. ELECTRICITY 1: DEVICES, CIRCUITS AND MATERIALS, Tenth Edition, maintains the user-friendly style and proven instructional approach that are so effective, all while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, house wiring, or commercial installations.

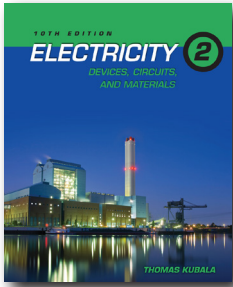
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## ELECTRICITY 2, 10E

Devices, Circuits and Materials  
*Thomas Kubala*

© 2013, 168pp, Paperback, 9781111646714

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a thorough introduction to various types of alternating current (AC) circuits, as well as key principles such as power, power factor, power

factor correction, inductive reactance, capacitive reactance, and impedance. **ELECTRICITY 2: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, including AC power, wiring installation, lighting, and effective troubleshooting.

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## ALTERNATING CURRENT FUNDAMENTALS, 8E

*Stephen L. Herman, Lee College (retired)*

© 2012, 768pp, Paperback, 9781111125271

### eBook



**ALTERNATING CURRENT FUNDAMENTALS, 8E**, an industrial standard for over thirty years, has been updated to provide you with the most current information available on the essentials of alternating current. The topics in this book are arranged to build your

knowledge, progressing from basic principles such as the differences between peak, rms, and average values to more complex coverage of circuits containing resistance, inductance, and capacitance. This edition of **ALTERNATING CURRENT FUNDAMENTALS, 8E** includes additional information on diodes and rectifiers and contains improved graphics that will assist you in understanding state-of-the-art concepts.

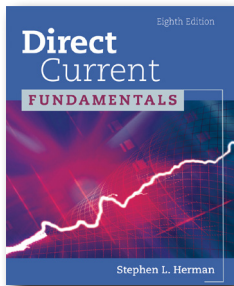
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## DIRECT CURRENT FUNDAMENTALS, 8E

Stephen L. Herman, *Lee College (retired)*

© 2012, 512pp, Paperback, 9781111127466

### eBook



For nearly half a century, this widely acclaimed text has presented the fundamental concepts of direct current electricity and magnetism in a straightforward, practical manner. This reader-friendly guide to DC electrical theory and

applications is both thorough and focused, providing detailed coverage in a convenient, affordable volume. The new Eighth Edition retains the distinguishing features that are the cornerstone of this trusted text, including logically organized content that progresses step-by-step from basic principles to advanced concepts. Enhancements for the new edition include updated photographs and illustrations to help you grasp essential concepts quickly and apply your knowledge with confidence, as well as special icons highlighting “green” tips on energy efficiency.

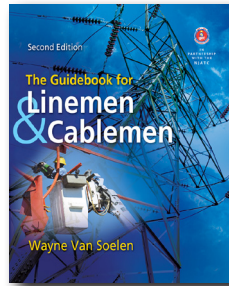
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## THE GUIDEBOOK FOR LINEMEN AND CABLEMEN, 2E

Wayne Van Soelen

© 2012, 816pp, Hardback, 97811111035013

### eBook



The Guidebook for Linemen and Cablemen, 2nd Edition is the much needed solution to a void that has existed for apprentices seeking to become journeymen linemen and anyone training to work on electrical utility circuits. Packaged as a convenient, single-volume

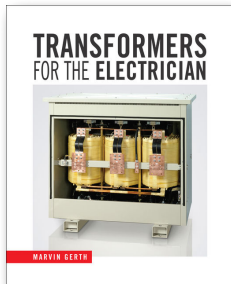
reference guide on the operation of electrical utility systems, this book will give you what other resources won't: practical coverage of the equipment and situations that power line workers are exposed to on a daily basis, with a focus on ensuring concepts are meaningful and applicable. This book also pays special attention to the order in which topics are addressed; simple concepts are explained first, and the book then builds upon these fundamentals to explain more complex theories, thereby setting a strong foundation for clearly understanding key rules and regulations. This text has been updated to include the most current industry information available, including applications of recent technology. This book also contains in-depth exploration of the mechanical aspects of the job, such as working with rigging, trucks, stringing wire, and tree felling. The need for safety and training is highlighted throughout the book, ultimately giving you a powerful guide for learning the necessary skills to construct, operate, and maintain the lines and cables in an electrical utility system. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## TRANSFORMERS FOR THE ELECTRICIAN

Marvin Gerth, Anoka Technical College

© 2011, 192pp, Paperback, 9781435482395



Today's electrical students are looking for a resource that moves beyond traditional textbooks to get more than just transformer theory, but also the practical information that can be put to use in everyday situations once they enter the world of work. TRANSFORMERS

FOR THE ELECTRICIAN is the perfect solution! Written in a conversational style that minimizes technical jargon in favor of laymen's terms, the book presents a solid, comprehensive theoretical background of transformer operation, exploring its most important concepts through real-world examples, practical maintenance procedures, and pertinent National Electrical Code® rules. The end result: students will gain a thorough understanding of the critical information that a successful working electrician needs in order to connect, troubleshoot, and size just about any type of transformer.

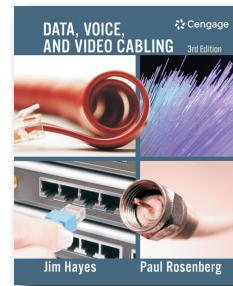
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## DATA, VOICE AND VIDEO CABLING, 3E

Jim Hayes, *The Fiber Optic Association*; Paul Rosenberg, *Iowa State University*

© 2009, 324pp, Paperback, 9781428334724

### eBook



Cabling is one of the fastest changing technologies, and Data, Voice and Video Cabling, 3rd Edition, has been updated to address all the latest developments in premises cabling, including technologies and applications in copper, fiber, and wireless cabling. This

text is organized to aid in the understanding of cabling, by following a logical format that covers background information on communications systems and media first, and then delves into more detailed discussions on each media type: copper, wireless, and fiber. Separating the key concepts into specific sections also helps to minimize confusion between the unique installation practices among the different technologies. Within each section, topics progress from the basics to components, installation, and testing to assist in the development of individual skills. This book also provides readers with important background and resources regarding the most recent cabling standards, which are an integral part of this fast-paced industry.

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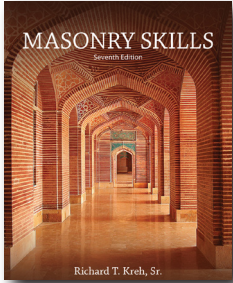
## MASONRY

### MASONRY SKILLS, 7E

Richard T. Kreh, Sr., Author & Consultant, *Masonry*

© 2015, 512pp, Hardback, 9781285426839

#### eBook



MASONRY SKILLS, Seventh Edition, provides you with a comprehensive, reader-friendly guide to the masonry trade, covering fundamental principles, basic practices, advanced techniques, and new trends and developments in both residential and commercial

masonry. Meticulously revised, the new edition includes the latest developments in the field, including current OSHA requirements, advances in construction technology and techniques, and a focus on sustainable building materials and processes. Featuring two full-color sections of finished projects, a new engaging design, and a wealth of new photos, the seventh edition seeks to inspire and educate both new and practicing masons. Approved and field-tested by professionals, this text is an ideal resource for anyone seeking the specialized knowledge and skills needed to succeed in the masonry industry.

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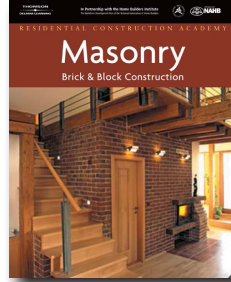
### RESIDENTIAL CONSTRUCTION ACADEMY

Masonry, Brick and Block Construction

Robert Benjamin Ham

© 2008, 576pp, Hardback, 9781418052843

#### eBook



A valuable addition to the popular Residential Construction Academy series, this book introduces and explains modern residential masonry construction procedures, as well as current building and construction industry safety regulations relevant to the

field. Beginning masons, designers, homebuilders, students, and apprentices alike will benefit from the clear diagrams and step-by-step procedures. With technical information from nationally recognized trade associations like the National Association of Home Builders, *Masonry Brick and Block Construction* is a “must-have” for the aspiring mason.

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# PLUMBING

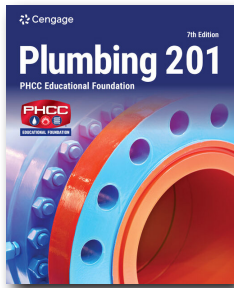
## NEW EDITION

### PLUMBING 201, 7E

PHCC Educational Foundation/Moore

© 2026, 608pp, Paperback, 9798214113975

## MindTap eBook



PHCC Educational Foundation/Moore's PLUMBING 201, 7th Edition, offers practical knowledge and skills grounded in the real-world issues that plumbing professionals face. This proven resource was developed in partnership with the PHCC Educational Foundation, with curriculum and content created by educators and industry professionals. Building on the fundamentals covered in PLUMBING 101, this volume covers piping materials, sources and distribution for potable water, water pipe sizing, cross-connection protection, water heaters, sewage disposal, drainage fixture units, building drains, stacks and more. This edition features revised outcomes that align with today's learning trends. A clear, straightforward writing style, realistic examples and a strong, hands-on emphasis of applications make this text an invaluable resource for anyone entering or working in the plumbing industry.

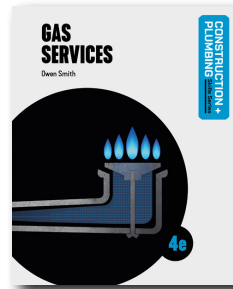
## NEW EDITION

### GAS SERVICES, 4E

Owen Smith, *TasTAFE*

© 2026, 608pp, Spiral, 9780170475136

## MindTap eBook



Addressing the latest CPC package for the Certificate III in Plumbing qualification, this text helps students learn more effectively with a variety of study and revision tools including worksheets, learning tasks and photo case studies. 'Employability' boxes outline the responsibilities of employees, including skills they

need to acquire and real-life challenges they may face at work. A variety of example boxes provide worked examples of how to perform practical tasks or complete mathematical calculations. The Plumbing Skills series provides learners with the knowledge, skills and awareness they need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail as they progress.



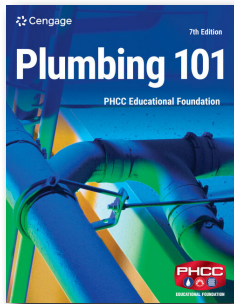
## NEW EDITION

# PLUMBING 101, 7E

PHCC/Moore

© 2025, 384pp, Paperback, 9780357026328

## MindTap



PHCC/Moore's PLUMBING 101, 7e, provides straightforward explanations for real-world plumbing scenarios. This is the first title in a series of four plumbing apprentice training books developed in partnership with the

Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation. The series addresses critical plumbing concepts, introducing topics in the first book and providing more detail in subsequent books. The text mimics common learning experiences of apprentices and professionals who gain more field experience with more in-depth knowledge. The book covers residential and commercial plumbing, focusing on basic plumbing principles and codes. This 7e includes expanded coverage of topics from daily work to career path options.

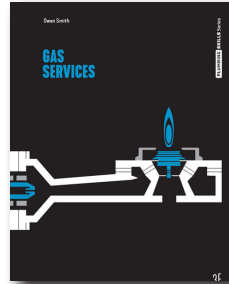
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## GAS SERVICES, 3E

Owen Smith, TasTAFE

© 2022, 608pp, Spiral, 9780170439244

## MindTap eBook



This text addresses the requirements for the Certificate III in Plumbing qualification. It includes study and revision tools such as worksheets, learning tasks and photo case studies that help you learn more effectively. 'Employability' boxes outline the responsibilities of employees, including skills you need to acquire

and real-life challenges you may face at work. A variety of example boxes show examples of how to perform practical tasks or complete mathematical calculations. The Cengage Plumbing Skills series provides the knowledge, skills and awareness you need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail. Gas Services, 3e covers the following units of competency: Core Units: CPCPGS3056 Size and install consumer gas piping systems CPCPGS3048 Install gas pressure control equipment CPCPGS3051 Purge consumer piping CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3061 Install and commission Type A gas appliances CPCPGS3049 Install gas appliance flues CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres Elective Units: CPCPGS3046 Install LPG systems in caravans, mobile homes and mobile workplaces CPCPGS3047 Install LPG systems in marine craft CPCPGS3055 Install gas sub-meters CPCPGS3060 Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8kl CPCPGS3052 Maintain Type A gas appliances Additional gas fundamental units: 1. Fuel gases 2. Units of measurement and gas industry terms 3. Gas distribution systems 4. Gas constituents and characteristics 5. Gas industry workplace safety 6. Combustion principles 7. LPG basics

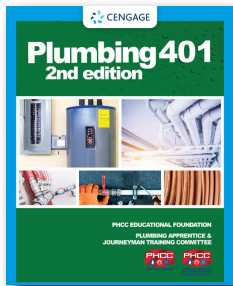
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## PLUMBING 401, 2E

*PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee; Ed Moore, York Technical College*

© 2020, 464pp, Paperback, 9781337391832

### MindTap eBook



Created in partnership with the Plumbing-Heating-Cooling Contractors National Association Educational Foundation (PHCC) and designed for your fourth-year of plumbing apprenticeship, PLUMBING 401, Second Edition, uses a clear, reader-friendly

writing style to help you gain a thorough understanding of advanced plumbing systems. Coverage spans residential, commercial, industrial, and institutional settings and includes important topics such as service and repair, blueprint reading, installation practices, heating systems, and related science and plumbing codes (both International and Uniform). Highly practical in its approach, this series breaks down complex plumbing applications into easy-to-understand principles while introducing you to a wide variety of plumbing scenarios using engaging text and full-color illustrations. In addition to abundant examples illustrating real-world solutions to common plumbing problems, the text features a strong emphasis on safety and the latest plumbing technology. Equally valuable for both apprentice and licensed plumbers, this trusted guidebook is an ideal resource to prepare you for career success. Check out our free app DEWALT® Mobile Pro™, a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

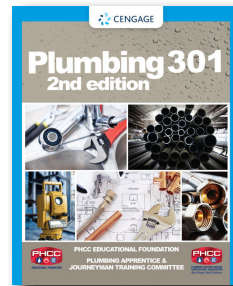
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## PLUMBING 301, 2E

*PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee; Ed Moore, York Technical College*

© 2018, 576pp, Paperback, 9781337391764

### MindTap eBook



Designed for your third year as a plumbing apprentice, PLUMBING 301, Second Edition, combines a visually appealing, full-color design, clear writing style, and the most current plumbing and gas code references to give you everything you need to know for both commercial

and residential plumbing. Coverage begins with basic installation practices; progresses to blueprint reading, the National Fuel Gas Code, and surveying instruments; and includes special chapters devoted to the math and science of plumbing. The Second Edition builds on this thorough foundation with new discussions of hydronic systems, LP gas systems, ejector systems, water treatment, and electrical controls and wiring, plus enhanced content on preplanning and electrical controls. Now better than ever, this valuable text gives you the tools you need to be successful as you continue your journey into the plumbing industry. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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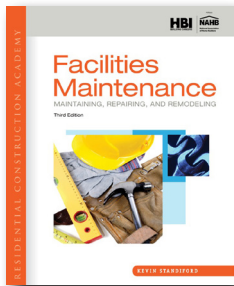
## RESIDENTIAL CONSTRUCTION ACADEMY, 3E

Facilities Maintenance: Maintaining, Repairing, and Remodeling

*Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst*

© 2014, 592pp, Paperback, 9781133282433

### eBook



Created in partnership with the Home Builders Institute (HBI), the workforce development arm of the National Association of Home Builders (NAHB), the Residential Construction Academy Series is the only program based on the National Skill Standards for

residential construction. Step-by-step illustrations and an easy-to-read writing style make RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3E the powerful tool you need for any facilities maintenance course. This edition walks you through a straightforward approach that describes common maintenance tasks in detail, like carpentry, wiring, groundskeeping, appliance repair, painting, plumbing, and HVAC. Enhanced chapters on basic math and blueprint reading give you the most comprehensive training available. See the last three chapters for your energy efficiency concerns, two chapters on Weatherization and one on Solar. Plus, each section emphasizes safety and highlights the skills you can build that employers are searching for. RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3RD is the manual you need to develop a solid foundation in facilities maintenance.

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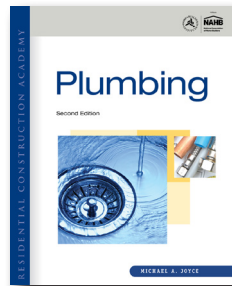
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Plumbing

*Michael A. Joyce; Ray Holder*

© 2012, 640pp, Hardback, 9781111307776

### eBook



RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E is the ideal book to create a direct link between your education/training program and the residential construction industry. The result of a strategic partnership between the

National Association of Home Builder's (NAHB) Home Builders Institute and Delmar, Cengage Learning, the Residential Construction Academy Series is the perfect way to learn essential workplace skills for readers new to the building trades. Written in partnership with the Home Builders Institute, and endorsed by NAHB, RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E provides a step-by-step approach to residential plumbing installations based on national skill standards. Focusing on "Green" advancement in the plumbing trades, this book thoroughly explains the process of installing residential plumbing systems by exploring topics such as tools of the trade and proper safety measures and by offering various tips to increase readers' on-the-job productivity. Logically organized to build a foundation of knowledge, this book progresses from the installation of common fixtures to troubleshooting techniques that will aid readers. An emphasis on creative layout and the importance of understanding code variations will foster readers' understanding of plumbing system installation that is based on typical situations as well as unique jobsite conditions.

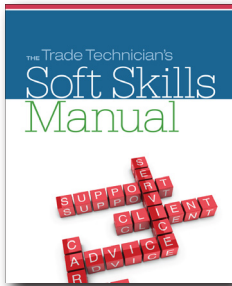
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## THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL

Steve Coscia

© 2012, 128pp, Paperback, 9781111313814

MindTap eBook



Learning to express yourself in a positive and professional way can be an art-form. THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL, teaches these important soft skills with line drawings, photographs, and anecdotes from real case

studies. This approach makes the subject area approachable and engaging. The anecdotes are followed by explanations of proven service behaviors, along with proven standards, practice tips, forms, documents and checklists complete the text to teach you the fine art of customer service. Based on more than 30 years of studies and field research, this text teaches the skills you need to advance in your careers and differentiate yourself from others in their field. THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL is written by Steve Coscia, a motivational speaker who managed a technical support team for more than 20 years and has used these techniques and practices to advance his own career as an industry expert.

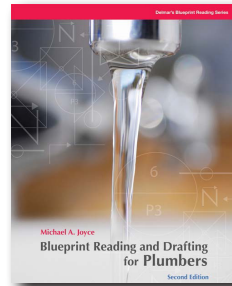
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## BLUEPRINT READING AND DRAFTING FOR PLUMBERS, 2E

Michael A. Joyce

© 2009, 240pp, Paperback, 9781428335134

eBook



With a one-of-a-kind approach that offers more comprehensive coverage than any other plumbing apprentice book on the market, this valuable resource will thoroughly prepare readers for the transition from the residential plumbing

industry to commercial or industrial projects. Blueprint Reading and Drafting for Plumbers, 2E goes beyond basic lessons on reading and drafting various piping arrangements to provide highly detailed, practical, and relevant information that addresses the real-life demands of commercial and industrial job sites. This updated edition features all-new chapters devoted to coordinating plumbing installations using structural steel and civil blueprints, further enhancing the book's unique and jobsite-focused classroom lessons.

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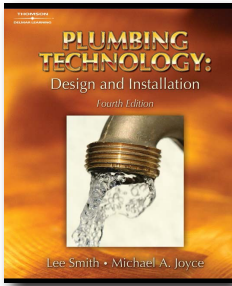
## PLUMBING TECHNOLOGY, 4E

Design and Installation

Lee Smith; Michael A. Joyce

© 2008, 576pp, Hardback, 9781418050917

### eBook



Prepare for a career in the commercial or residential plumbing fields with this popular book, which has been updated to reflect the very latest advancements in the plumbing industry. Plumbing Technology: Design and Installation, 4E has also been restructured

to begin with instruction on the major, introductory concepts, and then progressing to more specific, advanced lessons, allowing readers a complete and thorough understanding of the material. This edition includes coverage of the very latest products, tools, codes, and drain cleaning equipment that have had a remarkable impact on the plumbing industry and how plumbers work successfully. The latest water heater technology, such as Flammable Vapor Ignition Resistant heaters, DWV system segments and sizing, new safety regulations, and all relevant code changes are also addressed.

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## CAD/DRAFTING/ ENGINEERING GRAPHICS

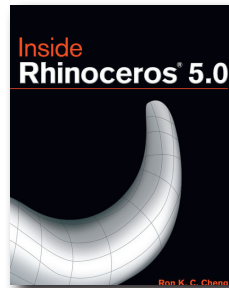
### ANIMATION

## INSIDE RHINOCEROS 5, 4E

Ron K.C. Cheng, Hong Kong Polytechnic University

© 2014, 592pp, Paperback, 9781111124915

### eBook



INSIDE RHINOCEROS 5, is a well-designed introduction to using the latest version of Rhino. This book bridges the gap between theoretical and software-oriented approaches to computer modeling by providing a balanced presentation of

theory, concepts, and hands-on tutorials. It begins with an overview of the Rhinoceros5 interface and progresses to explore wireframe models and the construction of curves. This book contains an in-depth examination of surface modeling, taking you step-by-step through surfaces construction using Rhino and discusses in detail solid modeling methods, rendering, engineering drawing, and outputting to various file formats. INSIDE RHINOCEROS 5, concludes with a set of projects aimed at allowing you to apply Rhino in real world design situations.

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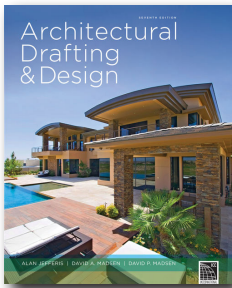
## ARCHITECTURAL DRAFTING

### ARCHITECTURAL DRAFTING AND DESIGN, 7E

Alan Jefferis, Clackamas Community College; David A Madsen; David P. Madsen

© 2017, 1152pp, Hardback, 9781285165738

#### MindTap eBook



ARCHITECTURAL DRAFTING AND DESIGN, Seventh Edition, is the definitive text for beginning, intermediate, or advanced architectural CAD operators. This full-color, comprehensive edition covers the basics of residential design while exploring numerous types of

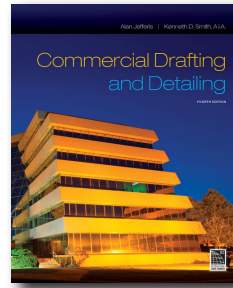
projects that a designer or architect is likely to complete during the design process. The Seventh Edition is up-to-date with content based on the most recent editions of relevant codes, including the 2015 International Residential Code (IRC), the 2015 International Building Code (IBC), the 2015 International Energy Conservation Code (IECC), and the 2012 International Green Construction Code (IgCC). The text opens with information on architectural styles that have dominated the field over the last four centuries, followed by basic design components related to site and structure. Commercial drafting, basic construction materials, common construction methods, and drawings typically associated with commercial construction are also covered. This bestseller complements informational content with practical, hands-on material, including step-by-step instructions for the design and layout of each type of drawing associated with a complete set of architectural plans—all presented via projects that can be completed using CAD drawing methods. This proven text equips readers with the knowledge and skills needed to complete the drawings that most municipalities require to obtain a building permit for a single-family residence.

### COMMERCIAL DRAFTING AND DETAILING, 4E

Alan Jefferis, Clackamas Community College; Kenneth D. Smith

© 2016, 624pp, Paperback, 9781285097398

#### eBook



The only book of its kind on the market today, COMMERCIAL DRAFTING AND DETAILING, 4E will give you everything you need to gain a solid understanding of commercial drafting and detailing - it's all here, in one comprehensive resource.

The fourth edition maintains the winning features of its previous editions; clear explanations and professional, practical examples that walk students through the architectural and structural drawings required in a complete set of commercial plans. It then builds on these successes by increasingly integrating design components into each chapter, replacing free-hand sketches with CAD skeleton drawings, and updating the information to reflect the 2015 International Building Code. The end result: a valuable tool that will keep you up-to-date on the most current industry trends and prepare you to succeed in the classroom and beyond.

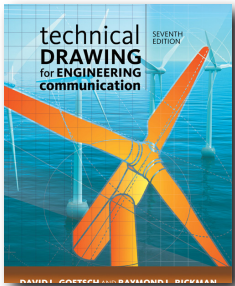


## TECHNICAL DRAWING FOR ENGINEERING COMMUNICATION, 7E

David E. Goetsch, Northwest Florida State College; Raymond L. Rickman, Northwest Florida State College; William S. Chalk

© 2016, 1008pp, Hardback, 9781285173016

### eBook



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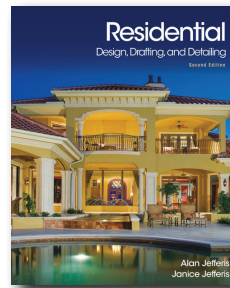
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## RESIDENTIAL DESIGN, DRAFTING, AND DETAILING, 2E

Alan Jefferis, Clackamas Community College

© 2014, 896pp, Hardback, 9781133283171

### eBook



Master the skills most important for drawing, detailing, and designing residential structures with RESIDENTIAL DESIGN, DRAFTING, AND DETAILING, 2E. This step-by-step presentation centers exclusively on residential, familiarizing you

with standard construction practices involving wood, engineered materials, steel, and concrete as well as the latest "green" concepts and alternative materials. Updates throughout this edition reflect the latest standards, codes and guidelines, including the 2012 International Residential Code®. Focus on CAD techniques using the guidelines from the United States National CAD - Standard®--V5. Professional examples from architects, engineers, and designers as well as activities and problems using actual architectural drawings and designs place you in the role of a professional CAD technician.

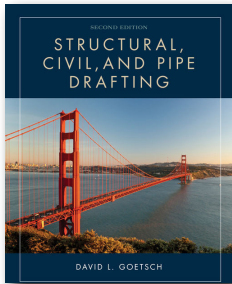
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## STRUCTURAL, CIVIL AND PIPE DRAFTING, 2E

David L. Goetsch, Okaloosa-Walton Community College, Niceville, Florida

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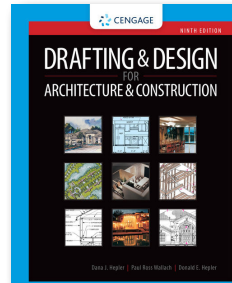
decades of success with his acclaimed STRUCTURAL, CIVIL, AND PIPE DRAFTING text, author David Goetsch created STRUCTURAL, CIVIL, AND PIPE DRAFTING to help you develop the specific knowledge and skills needed to succeed in a rapidly evolving, high-demand field. The text opens with an overview of structural drafting—from department organization to product fabrication and shipping—before exploring critical topics such as structural steel, pre-cast concrete, poured-in-place concrete, structural wood drafting, pre-fab metal buildings, civil engineering drafting, and process piping. Now thoroughly updated, the Second Edition features new and revised material reflecting the latest trends, technology, and applications, as well as more photographs and illustrations and improved CAD application exercises to enhance learning.

## DRAFTING AND DESIGN FOR ARCHITECTURE & CONSTRUCTION, 9E

Dana J. Hepler; Paul Ross Wallach, Cañada College; Donald Hepler

© 2013, 800pp, Hardback, 9781111128135

### eBook



DRAFTING AND DESIGN FOR ARCHITECTURE AND CONSTRUCTION, 9th edition is written in a logical structure that presents architectural drafting and design concepts in the order usually practiced by professional architects. An emphasis on environmental

safety, protective measures, expanded coverage of construction design and drawings and chapter objectives to alert the reader to important concepts, allow you to hone the necessary skills to create a complete set of drawing plans. The abundant appendices provide important reference material, career information, mathematical calculations, standard abbreviations and synonyms. Exciting new material on design principles and procedures along with new entries on smart homes, smart growth, recreational facilities, building information modeling, site planning, ecology, energy conservation, efficiency and sustainability has been added. This text also covers CAD in an introductory chapter along with a series of inserts throughout to provide examples of how CAD is used to perform specific architectural drafting functions

## NATIONAL GEOGRAPHIC READER: ARCHITECTURE & CONSTRUCTION (WITH VPG EBOOK PRINTED ACCESS CARD)

National Geographic Learning

© 2013, 115pp, Paperback, 9781133960232

### eBook



Bring your learning to life with compelling images, media and text from National Geographic. ARCHITECTURE AND CONSTRUCTION W/PAC eBook will help you develop a clearer understanding of the world around you through

engaging content. This reader is designed to be used in combination with several core texts in Architecture, Engineering and Construction. Used as a supplement with two strong brands of National Geographic and Delmar Learning, this reader bring relevancy, critical thinking skill activities, vocabulary and career information to topics covered in architecture and construction. With broad articles included in the reader, the companion website will allow you to apply topics as they show how the theories are applied in a real world setting.

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## PRACTICAL PROBLEMS IN MATHEMATICS FOR DRAFTING AND CAD, 4E

John Larkin; Concetta Duval

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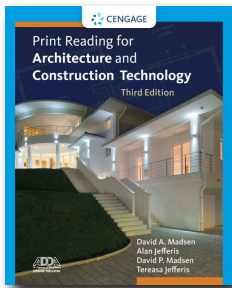
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## PRINT READING FOR ARCHITECTURE AND CONSTRUCTION TECHNOLOGY, 3E

David A Madsen; Alan Jefferis, Clackamas Community College; David P. Madsen; Tereasa Jefferis, Mt. Hood Community College

© 2013, 448pp, Paperback, 9781285075969

### eBook



PRINT READING FOR ARCHITECTURE AND CONSTRUCTION TECHNOLOGY, 3E provides the knowledge and skills needed to accurately interpret blueprints for residential and light commercial construction.

This easy-to-use text explores all facets of print reading, with examples and illustrations taken from actual architectural prints. You are provided with the information you need to create high-quality, standardized “real world” working drawings. In addition, this edition is fully updated with CADD-generated print reading examples, illustrations, and exercises that comply with the highest industry standards of computer-aided design and drafting.

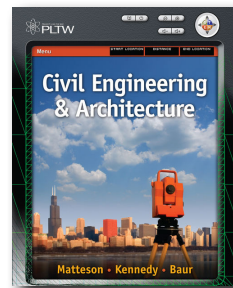
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## PROJECT LEAD THE WAY: CIVIL ENGINEERING AND ARCHITECTURE

Donna Matteson, State University of New York at Oswego; Deborah Kennedy, Curriculum Director, PLTW; Stuart Baur, Missouri University of Science and Technology; Eva Kulkermann, College of Architecture, Illinois Institute of Technology

© 2012, 736pp, Hardback, 9781435441644

### eBook



Based on the innovative Project Lead the Way (PLTW) curriculum, this dynamic new text is designed to prepare you for college and career success in science, technology, engineering, and math (STEM). Whether you are interested in becoming an

engineering or architecture professional, or simply want to understand the structural systems and building styles in your community, this text will help you develop the technological literacy to appreciate, describe, and make informed decisions about our built environment. As an integrated part of your school’s PLTW program or a personal resource, CIVIL ENGINEERING AND ARCHITECTURE is an ideal choice to support your STEM success. This book provides a richly illustrated history of architectural styles and the engineering achievements that produced them, as well as detailed coverage of the principles and concepts that current professionals use to shape today’s built environment. From site discovery through landscaping, the text provides a wealth of step-by-step examples and exercises, plentiful case studies and career profiles, and engaging articles and activities to help students build their knowledge while developing essential problem-solving skills.

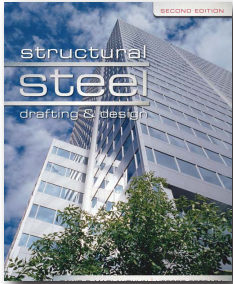
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## STRUCTURAL STEEL DRAFTING AND DESIGN, 2E

David C. MacLaughlin, Chippewa Valley Technical College;  
Hector Estrada

© 2009, 320pp, Paperback, 9781401890322

### eBook



Practical and easy to use, this text lays a solid groundwork for beginning and intermediate students to pursue careers in architecture, construction, or civil engineering. The text clarifies the vital interdependence between structural steel design and

fabrication drawings, equipping students to work flexibly with both. First and foremost a drafting book, *Structural Steel Drafting and Design* gives an overview of structural design theory while providing numerous examples, illustrations, and real-world assignments. Students also become acquainted with critical tables and reference material from industry-standard sources, as well as the merits of Load and Resistance Factor Design and Allowable Strength Design.

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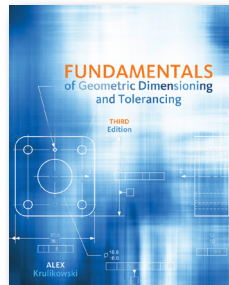
## DESIGN & DRAFTING

## FUNDAMENTALS OF GEOMETRIC DIMENSIONING AND TOLERANCING, 3E

Alex Krulikowski

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### eBook



FUNDAMENTALS OF GEOMETRIC DIMENSIONING AND TOLERANCING 3E is a unique book that meets your needs if you are studying industrial technology, CAD, engineering technology, or manufacturing technology.

This book clearly organizes geometric dimensioning and tolerancing fundamentals into small, logical units for step-by-step understanding. Measurable performance objectives help you assess your progress. Discussion questions promote interaction and higher-order thinking, and practice problems ensure thorough understanding of the concepts presented. FUNDAMENTALS OF GEOMETRIC DIMENSIONING AND TOLERANCING 3E defines and fully encompasses the revised ANSI/ASME Y14.5M-2009 to keep you current on these important industry standards. This book is cited by top industry professionals as meeting the highest “standards” for a GD&T book!

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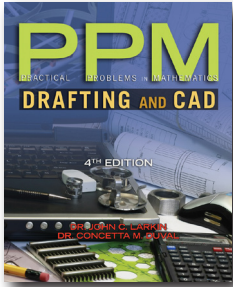


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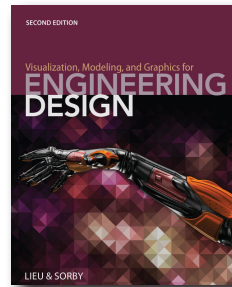
## ENGINEERING GRAPHICS

### VISUALIZATION, MODELING, AND GRAPHICS FOR ENGINEERING DESIGN, 2E

Dennis K. Lieu, *University of California, Berkeley*; Sheryl A. Sorby, *The Ohio State University*

© 2017, 1086pp, Hardback, 9781285172958

### MindTap eBook



Created for the next generation of engineering professionals, VISUALIZATION, MODELING, AND GRAPHICS FOR ENGINEERING DESIGN, Second Edition, combines coverage of traditional drafting essentials and the

cutting-edge technology and methods today's professionals need to master for career success. This versatile text provides a strong grounding in fundamentals including core design skills, geometric dimensioning and tolerancing, sketching and drawing, and industry- and discipline-specific applications, even while recognizing how computers have enabled visualizing and modeling techniques that have changed the engineering design process. Working from this modern perspective, the authors explore critical process phases such as creative thinking, product ideation, and advanced analysis, as well as problem solving, collaboration, and communication skills essential for today's engineers and technicians. In addition to numerous updates to reflect the latest technology and trends, the Second Edition of this groundbreaking text features a more streamlined presentation, with a mix of printed and online chapters and a highly modular structure that make it easy to focus on specific topics or interests. New learning resources are available online as well, including a Web-based Mind Tap supplement with interactive quizzes and more than 100 multimedia animations and video clips.

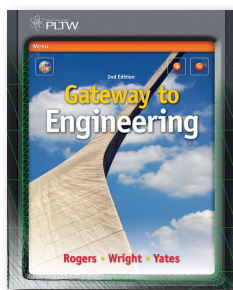


## GATEWAY TO ENGINEERING, 2E

George E. Rogers, *Purdue University*; Michael D. Wright, *University of Central Missouri*; Ben Yates, *Missouri University of Science and Technology*

© 2014, 480pp, Hardback, 9781133935643

### eBook



GATEWAY TO ENGINEERING, 2E helps you build a solid foundation in technological literacy as you study engineering-related careers and educational pathways. With a vibrant four-color design and images to help you visualize concepts, the text

introduces the process of design, the importance of engineering graphics, and applications of electricity and electronics, mechanics, energy, communications, automation/robotics, manufacturing processes, and control systems/computer programming. The Second Edition includes a revised chapter featuring sustainable architecture and enhanced coverage of green technology. It also retains a strong engineering flavor and alignment with national Standards for Technological Literacy, making it the perfect tool for mastering Project Lead the Way's® Gateway to Technology performance objectives.

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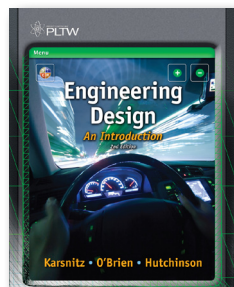
## ENGINEERING DESIGN, 2E

An Introduction

John R. Karsnitz, Ph.D., *The College of New Jersey*; Stephen O'Brien, Ph.D., *The College of New Jersey*; John P. Hutchinson, Ph.D., *The College of New Jersey (Emeritus)*

© 2013, 576pp, Hardback, 9781111645823

### eBook



ENGINEERING DESIGN: AN INTRODUCTION, Second Edition, features an innovative instructional approach emphasizing projects and exploration as learning tools. This engaging text provides an overview of the basic engineering principles that

shape our modern world, covering key concepts within a flexible, two-part format. Part I describes the process of engineering and technology product design, while Part II helps you develop specific skill sets needed to understand and participate in the process. Opportunities to experiment and learn abound, with projects ranging from technical drawing to designing electrical systems--and more. With a strong emphasis on project-based learning, the text is an ideal resource for programs using the innovative Project Lead the Way curriculum--and anyone interested in preparing for success in an engineering career.

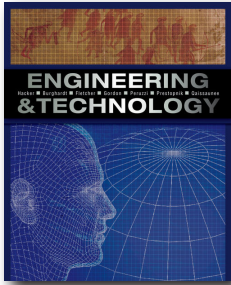
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## ENGINEERING AND TECHNOLOGY

Michael Hacker; David Burghardt; Linnea Fletcher; Anthony Gordon

© 2010, 784pp, Hardback, 9781418073893

### eBook



Driven by the Standards for Technological Literacy, this National Science Foundation-sponsored book is written by national leaders in engineering and technology education and addresses the most contemporary technological content using engaging,

pedagogically sound “informed design” activities. This unique approach encourages students to develop a thorough understanding of engineering and technology before they ever attempt to develop detailed design solutions. The activities present students with a design problem, and prompt students to begin the solution-finding process with research, inquiry, and analysis. Only after this important step can students begin to discuss specifications and constraints, propose alternatives, and select an optimal design. This process fosters a strong student-teacher discourse and cultivates language proficiency, both with the end result of enhancing student’s overall knowledge. Testing, evaluation, and modifications are addressed next, followed by a communication of achievements in a class presentation and final design report. Woven throughout the text are passages that will acquaint students with the requirements, responsibilities, necessary personal attributes and attitudes, and educational pathways that will lead to success in the various technological areas.

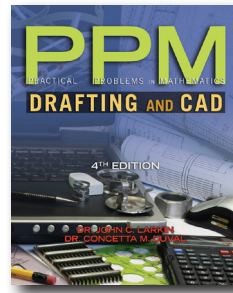
## MATHEMATICS

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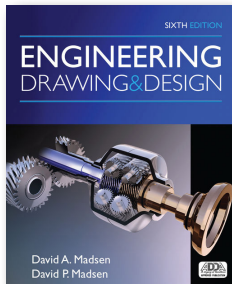
## MECHANICAL DRAFTING

### ENGINEERING DRAWING AND DESIGN, 6E

David A Madsen; David P. Madsen

© 2017, 1680pp, Hardback, 9781305659728

#### MindTap eBook



For more than 25 years, students have relied on this trusted text for easy-to-read, comprehensive drafting and design instruction that complies with the latest ANSI and ASME industry standards for mechanical drafting. The Sixth Edition of

ENGINEERING DRAWING AND DESIGN continues this tradition of excellence with a multitude of real, high-quality industry drawings and more than 1,000 drafting, design, and practical application problems—including many new to the current edition. The text showcases actual product designs in all phases, from concept through manufacturing, marketing, and distribution. In addition, the engineering design process now features new material related to production practices that eliminate waste in all phases, and the authors describe practices to improve process output quality by using quality management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

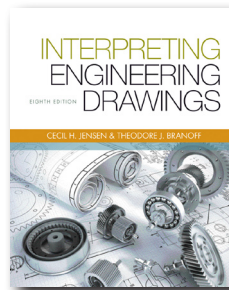
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### INTERPRETING ENGINEERING DRAWINGS, 8E

Ted Branoff, North Carolina State University

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INTERPRETING ENGINEERING DRAWINGS, 8th EDITION offers comprehensive, state-of-the-art training that shows you how to create professional-quality engineering drawings that can be interpreted with precision in today's

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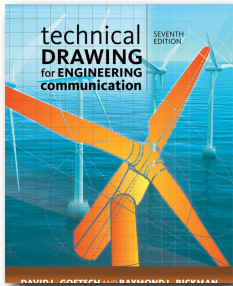
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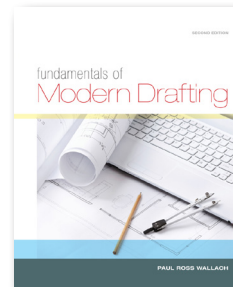
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## FUNDAMENTALS OF MODERN DRAFTING, 2E

Paul Ross Wallach, Cañada College

© 2015, 544pp, Hardback, 9781133603627

### eBook



FUNDAMENTALS OF MODERN DRAFTING, Second Edition, provides a thorough introduction to contemporary drafting, covering essential technical and engineering drawing concepts and key professional applications.

The author uses a highly practical, building-block approach to help you quickly develop the knowledge and skills you need to prepare working drawings for production. Coverage encompasses freehand sketching, instrument drawing, CAD, drafting conventions and formats, multiview, development, pictorial drawing procedures, geometric tolerancing practices, descriptive geometry, and more. Every chapter includes vibrant illustrations to complement the text, as well as hands-on exercises that encourage you to apply what you're learning. Now updated to reflect the latest trends and technology, the new Second Edition reflects current ASME standards to help you make a smooth transition from classroom study to professional success.

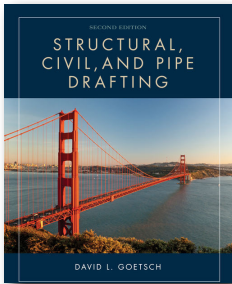
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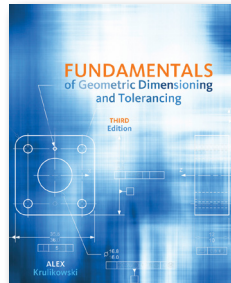
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## PRINT READING

### NEW EDITION

## PRINT READING FOR WELDERS, 10E

Cengage International Edition

Bennett/Siy/Jeffus

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### MindTap



Master the basics of print interpretation! PRINT READING FOR MACHINISTS, 10th Edition, is an ideal resource for machine trades students and apprentices alike who want to gain the knowledge and skills needed for career

success. Now updated to the latest ANSI standards, this thorough text includes 31 instructional units providing all-inclusive coverage that progresses from fundamental concepts to more advanced topics, including the alphabet of lines, orthographic projection, arrangement of views, application of dimensions and tolerances, machining processes, and more. With review questions to help reinforce learning and drawing exercises for hands-on sketching practice, this trusted text is equally valuable for classroom use or self-paced learning.

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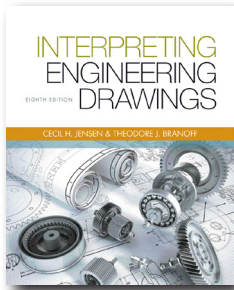


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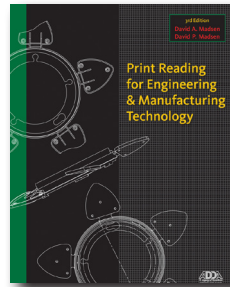
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*David A Madsen*

© 2013, 544pp, Paperback, 9781133716570

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PRINT READING FOR ENGINEERING AND MANUFACTURING TECHNOLOGY 3E takes a practical approach to print reading, with fundamental through advanced coverage that demonstrates industry standards essential for pursuing careers in the 21st

century. You will learn step-by-step how to interpret actual industry prints while building the knowledge and skills that will allow you to read complete sets of working drawings. Realistic examples, illustrations, related tests, and print reading problems are based on real world engineering prints that comply with ANSI, ASME, AWS, and other related standards. Included in this new edition is material on electronic filing, discovery, the duty to prevent spoliation, pertinent rule changes and coverage of the HIPAA standards that facilitates your understanding of the importance of these relatively new areas of practice. Thorough updating of the law, changes in rules of procedure, evidence, and ethics standards keeps you current on changes in the law and practice.

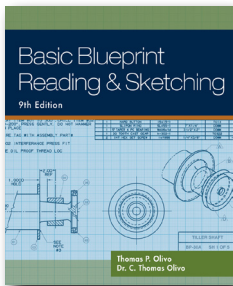
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## BASIC BLUEPRINT READING AND SKETCHING, 9E

Thomas P. Olivo; C. Thomas Olivo

© 2010, 320pp, Paperback, 9781435483781

**eBook**



For over 50 years, Basic Blueprint Reading and Sketching has been an international best-seller, with close to \$500,000 in sales and THE definitive resource for blueprint reading. The newly revised 9th edition of Basic Blueprint Reading and Sketching

continues the traditions in helping to readers achieve competence in reading and sketching technical drawings. This classic interactive book/workbook will help users develop skills in reading and interpreting industrial drawings and preparing basic to advanced technical sketches. This book will provide them with basic principles, concepts, ANSI and SI Metric drafting symbols and standards, terminology, manufacturing process notes, and other related technical information contained on a mechanical or CAD drawing. Each unit features a basic principle and at least one blueprint and assignment that encourages students to practice newly learned skills. This edition contains coverage of the latest ANSI, ISO, AWS and ASME standards.

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## CONSTRUCTION

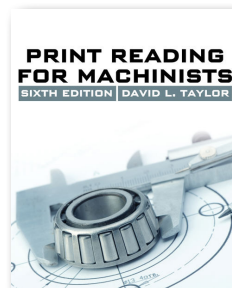
### BLUEPRINT READING & SKETCHING

#### PRINT READING FOR MACHINISTS, 6E

David L. Taylor

© 2019, 624pp, Paperback, 9781285419619

**MindTap eBook**



Master the basics of print interpretation! PRINT READING FOR MACHINISTS, Sixth Edition, is an ideal resource for machine trades students and apprentices alike who want to gain the knowledge and skills needed for career success. Now updated to

the latest ANSI standards, this thorough text includes 31 instructional units providing all-inclusive coverage that progresses from fundamental concepts to more advanced topics, including the alphabet of lines, orthographic projection, arrangement of views, application of dimensions and tolerances, machining processes, and more. With review questions to help reinforce learning and drawing exercises for hands-on sketching practice, this trusted text is equally valuable for classroom use or self-paced learning.

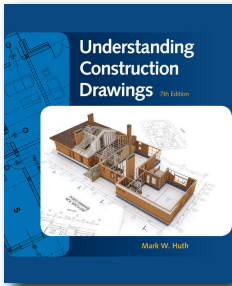
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## UNDERSTANDING CONSTRUCTION DRAWINGS, 7E

Mark W. Huth

© 2019, 360pp, Paperback, 9781337408639

### MindTap eBook



This proven, uniquely practical text provides your students with a thorough guide to reading, understanding, and working with construction drawings. Now updated to reflect the 2015 International Building Code® and 2015 International Residential

Code®, the Seventh Edition includes accurate, up-to-date information on current materials, practices, and standards to prepare students for career success in modern building trades. The text is designed from start to finish for real-world relevance, with topics organized by actual construction processes, realistic construction drawings integrated into chapter content, hundreds of practical questions and activities, and full-size residential and commercial construction prints. The author covers fundamental concepts including views, lines, basic dimensioning, and symbols, as well as more advanced principles and practices such as orienting and cross-referencing drawings, interpreting complex drawings, and working with commercial construction elements like structural steel, masonry, and reinforced concrete. In addition to updates related to 2015 codes, the text features an all-new unit covering multi-building developments, fire code and sound control measures, and seismic considerations, with new drawings for a four-story, two-family building in an urban, seismic-sensitive area.

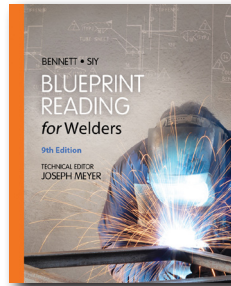
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## BLUEPRINT READING FOR WELDERS, SPIRAL BOUND VERSION, 9E

A.E. Bennett; Louis J. Siy

© 2015, 432pp, Spiral, 9781133605782

### eBook



This hands-on, reader-friendly guide provides comprehensive, up-to-date coverage of welding symbols and their application to welding prints and practices. BLUEPRINT READING FOR WELDERS, Ninth Edition, uses step-by-step instructions and

detailed illustrations to help you gain the knowledge and skills you need to interpret a wide range of working documents, from simple sketches to the most complex blueprints. The text covers auxiliary views, detail views, projections, sections, and detail and assembly drawings. Now updated and expanded, the new Ninth Edition features the latest AWS symbols and terms along with the ISO welding symbols, current specifications and dimensioning practices, relevant industry developments, and cutting-edge information to support your professional success in this dynamic field.

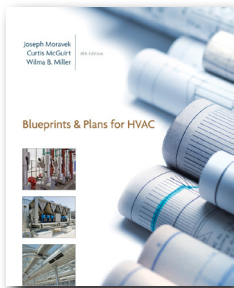
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## BLUEPRINTS AND PLANS FOR HVAC, 4E

*Joseph Moravek, Nance Universal HVACR Technical School, Beaumont, Texas; Curtis McGuirt, Nance International, Beaumont, Texas; Wilma B. Miller, Worcester Polytechnic Institute*

© 2013, 360pp, Paperback, 9781133588146

### eBook



Packed with vivid illustrations and a complete set of commercial prints, best-selling BLUEPRINTS AND PLANS FOR HVAC, 4th Edition combines in-depth instruction with relevant hands-on applications to equip you with the skills to succeed in

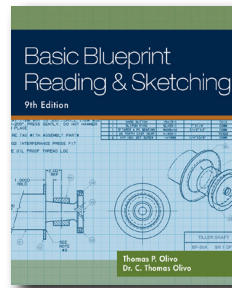
the workplace. Now in an engaging four-color format, this popular text will help you master the basics of blueprint reading and apply these new skills in the HVAC trade. This Fourth Edition has been updated to include the latest codes and technological advancements, while still covering all the critical areas of study, including using the architect's and engineer's scale, creating and using working and construction drawings and freehand sketching and drafting with instruments. In addition, the new CourseMate solution includes extra activities and CAD files to increase the number of real-world exercises. Practical, current and exceedingly accurate, BLUEPRINTS AND PLANS FOR HVAC, 4th Edition will serve you in the classroom and beyond.

## BASIC BLUEPRINT READING AND SKETCHING, 9E

*Thomas P. Olivo; C. Thomas Olivo*

© 2010, 320pp, Paperback, 9781435483781

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## CARPENTRY

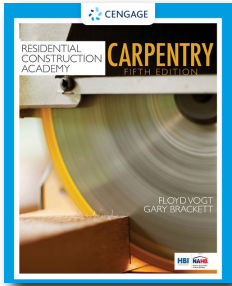
### RESIDENTIAL CONSTRUCTION ACADEMY, 5E

Carpentry

Floyd Vogt, State University of New York, Delhi; Gary Brackett,  
State University of New York, Delhi

© 2020, 816pp, Hardback, 9781337918503

### MindTap eBook



Created through a partnership between Home Builders Institute (HBI) and the National Association of Home Builders (NAHB), this best-selling resource uses a visual, practical, instructional approach to teach you how to build a home and help you develop

essential skills. RESIDENTIAL CONSTRUCTION ACADEMY: CARPENTRY, Fifth Edition, provides a logical, sequential introduction to essential construction topics. Each chapter begins with learning objectives and a glossary, features relevant pictures and diagrams to reinforce key ideas, and concludes with construction procedures and review questions. Throughout the text, the authors also highlight important techniques, tools, materials, code requirements, and best practices you'll need to know as you begin your career in residential building construction.

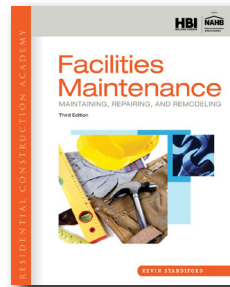
### RESIDENTIAL CONSTRUCTION ACADEMY, 3E

Facilities Maintenance: Maintaining, Repairing, and Remodeling

Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst

© 2014, 592pp, Paperback, 9781133282433

### eBook



Created in partnership with the Home Builders Institute (HBI), the workforce development arm of the National Association of Home Builders (NAHB), the Residential Construction Academy Series is the only program based on the National Skill Standards for

residential construction. Step-by-step illustrations and an easy-to-read writing style make RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3E the powerful tool you need for any facilities maintenance course. This edition walks you through a straightforward approach that describes common maintenance tasks in detail, like carpentry, wiring, groundskeeping, appliance repair, painting, plumbing, and HVAC. Enhanced chapters on basic math and blueprint reading give you the most comprehensive training available. See the last three chapters for your energy efficiency concerns, two chapters on Weatherization and one on Solar. Plus, each section emphasizes safety and highlights the skills you can build that employers are searching for. RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3RD is the manual you need to develop a solid foundation in facilities maintenance.

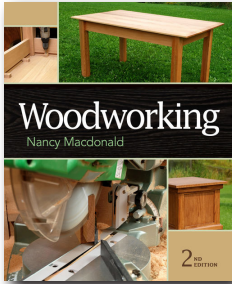


## WOODWORKING, 2E

Nancy MacDonald, State University of New York at Delhi

© 2014, 896pp, Hardback, 9781133949633

MindTap eBook



A comprehensive guide for aspiring carpenters, cabinetmakers, or woodworking hobbyists, WOODWORKING, 2nd Edition introduces the basics of woodworking tools and materials while also exploring the art of creating finished pieces and

establishing a career in the woodworking industry. Featuring a full color design, each procedure is fully explained in a clear, step-by-step manner, from the beginner woodworking tasks to the more complex processes involved in cabinetry, joinery, finish carpentry and more. With a strong emphasis on safety and solid craftsmanship, WOODWORKING, 2nd Edition encourages the development of effective practices and skills that are sure to lead to success!

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## NATIONAL GEOGRAPHIC READER: ARCHITECTURE & CONSTRUCTION (WITH VPG EBOOK PRINTED ACCESS CARD)

National Geographic Learning

© 2013, 115pp, Paperback, 9781133960232

eBook



Bring your learning to life with compelling images, media and text from National Geographic. ARCHITECTURE AND CONSTRUCTION W/PAC eBook will help you develop a clearer understanding of the world around you through

engaging content. This reader is designed to be used in combination with several core texts in Architecture, Engineering and Construction. Used as a supplement with two strong brands of National Geographic and Delmar Learning, this reader bring relevancy, critical thinking skill activities, vocabulary and career information to topics covered in architecture and construction. With broad articles included in the reader, the companion website will allow you to apply topics as they show how the theories are applied in a real world setting.

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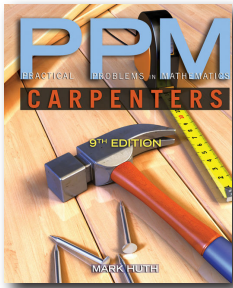


## PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS, 9E

Mark Huth

© 2012, 208pp, Paperback, 9781111313425

### eBook



Take command of any building and carpentry project with the robust, construction-specific math skills you will get from the 9th Edition of PRACTICAL PROBLEMS IN MATHEMATICS FOR CARPENTERS. Divided into short units, this

combination book/workbook explains the math principles essential to carpentry and building construction in straightforward, concise language, and then reinforces each concept with samples of problems common in the trade. Step-by-step solutions to the problems, as well as detailed illustrations, help you easily understand the math, visualize its application in everyday carpentry work, and perform functions yourself.

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## CONSTRUCTION MANAGEMENT

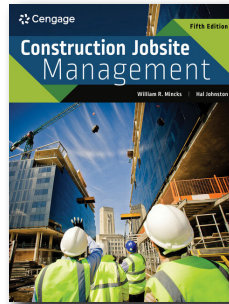
### NEW EDITION

## CONSTRUCTION JOBSITE MANAGEMENT, 5E

Mincks/Johnston

© 2025, 416pp, Paperback, 9780357452943

### MindTap



Mincks/Johnston's newly updated CONSTRUCTION JOBSITE MANAGEMENT, 5e, examines all facets of construction project management from the contractor's point of view. The responsibilities of project managers, c o n s t r u c t i o n

superintendents and construction engineers are covered in depth, from configuring a project team through closing out a project. The text maintains a strong focus on jobsite personnel activities, outlining proven procedures and offering helpful techniques to manage projects effectively from start to finish. Clear, concise language and accurate, relevant details make this book an essential introduction to the "real world" of construction jobsite management. The text introduces BIM in construction documents and lean construction methods.

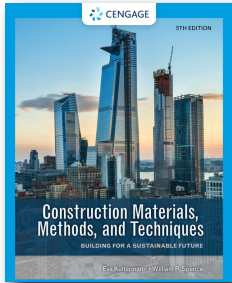
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## CONSTRUCTION MATERIALS, METHODS, AND TECHNIQUES, 5E

Building for a Sustainable Future

*Eva Kultermann, College of Architecture, Illinois Institute of Technology; William P. Spence, retired, Pittsburgh State University*

© 2022, 960pp, Hardback, 9780357513835



Get a thorough overview of sustainable methods for site, residential and commercial building construction with this comprehensive text, which covers both traditional and contemporary materials, current industry standards and new and emerging

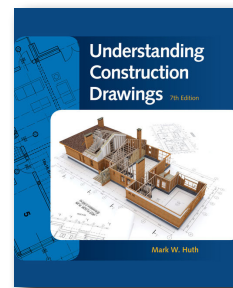
technologies. The only text organized according to the Construction Specifications Institute (CSI) MasterFormat® standards, CONSTRUCTION MATERIALS, METHODS AND TECHNIQUES: BUILDING FOR A SUSTAINABLE FUTURE, Fifth Edition, features a reader-friendly style and logical structure, which follows the construction process step-by-step from project inception to completion. The new edition provides up-to-date coverage of dramatic changes underway in the construction industry, including advances in pre-fabricated construction; increased use of drones, robotics and artificial intelligence; net-zero buildings and lean construction. You'll learn about key current industry developments and standards, as well as latest relevant building codes, all presented within a dynamic, richly illustrated new design. Beyond the text itself, you can access a wealth of helpful learning resources to help you gain a clear understanding of today's construction materials, methods and techniques, providing a critical foundation for your career success.

## UNDERSTANDING CONSTRUCTION DRAWINGS, 7E

*Mark W. Huth*

© 2019, 360pp, Paperback, 9781337408639

MindTap eBook



This proven, uniquely practical text provides your students with a thorough guide to reading, understanding, and working with construction drawings. Now updated to reflect the 2015 International Building Code® and 2015 International Residential

Code®, the Seventh Edition includes accurate, up-to-date information on current materials, practices, and standards to prepare students for career success in modern building trades. The text is designed from start to finish for real-world relevance, with topics organized by actual construction processes, realistic construction drawings integrated into chapter content, hundreds of practical questions and activities, and full-size residential and commercial construction prints. The author covers fundamental concepts including views, lines, basic dimensioning, and symbols, as well as more advanced principles and practices such as orienting and cross-referencing drawings, interpreting complex drawings, and working with commercial construction elements like structural steel, masonry, and reinforced concrete. In addition to updates related to 2015 codes, the text features an all-new unit covering multi-building developments, fire code and sound control measures, and seismic considerations, with new drawings for a four-story, two-family building in an urban, seismic-sensitive area.

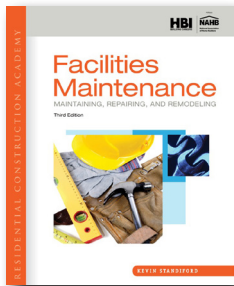
## RESIDENTIAL CONSTRUCTION ACADEMY, 3E

Facilities Maintenance: Maintaining, Repairing, and Remodeling

*Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst*

© 2014, 592pp, Paperback, 9781133282433

### eBook



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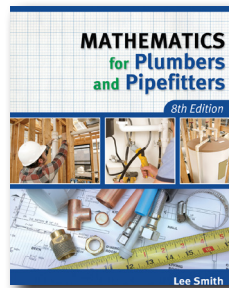
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## MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8E

*Lee Smith*

© 2013, 288pp, Paperback, 9781111642600

### eBook



Now in its 8th edition, MATHEMATICS FOR PLUMBERS AND PIPEFITTERS delivers the essential math skills necessary in the plumbing and pipefitting professions. Starting with a thorough math review to ensure a solid foundation, the book

progresses into specific on-the-job applications, such as pipe length calculations, sheet metal work, and the builder's level. Broad-based subjects like physics, volume, pressures, and capacities round out your knowledge, while a new chapter on the business of plumbing invites you to consider an exciting entrepreneurial venture. Written by a Master Plumber and experienced vocational educator, MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8th Edition includes a multitude of real-world examples, reference tables, and formulas to help you build a rewarding career in the plumbing and pipefitting trade.

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## NATIONAL GEOGRAPHIC READER: ARCHITECTURE & CONSTRUCTION (WITH VPG EBOOK PRINTED ACCESS CARD)

National Geographic Learning

© 2013, 115pp, Paperback, 9781133960232

### eBook



Bring your learning to life with compelling images, media and text from National Geographic. ARCHITECTURE AND CONSTRUCTION W/PAC eBook will help you develop a clearer understanding of the world around you through

engaging content. This reader is designed to be used in combination with several core texts in Architecture, Engineering and Construction. Used as a supplement with two strong brands of National Geographic and Delmar Learning, this reader bring relevancy, critical thinking skill activities, vocabulary and career information to topics covered in architecture and construction. With broad articles included in the reader, the companion website will allow you to apply topics as they show how the theories are applied in a real world setting.

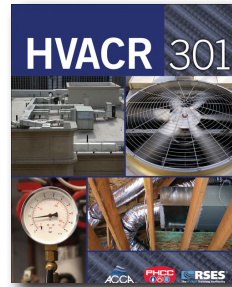
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## HVACR 301

John Hohman

© 2011, 464pp, Paperback, 9781418066666

### eBook



A continuation of the solid skills development and strong theoretical knowledge established with HVACR 101 and HVACR 201, this third installment in the series guides readers through increasingly advanced concepts in the field. Like the rest of the

series, HVACR 301 is backed by the high standards and cutting-edge resources of the Air Conditioning Contractors of America (ACCA), Plumbing-Heating-Cooling Contractors – National Association Educational Foundation (PHCC Education Foundation), and Refrigeration Service Engineers Society (RSES). Coverage ranges from the troubleshooting of systems and components to concepts of fluid handling systems, cooling towers, and indoor air quality. With a building block approach that ensures readers comprehend simpler concepts before moving on to more complex information, this is the perfect resource for learning and applying advanced HVACR concepts. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## HVACR 101

Joseph Moravek, Nance Universal HVACR Technical School,  
Beaumont, Texas

© 2009, 464pp, Paperback, 9781418066635

### eBook



Designed to guide apprentices, entry-level technicians, and first-year students through their first experiences in the HVAC/R trade, HVAC 101 provides a solid and thorough introduction to the field. It is the culmination of the efforts of industry leaders like the

Air Conditioning Contractors of America (ACCA), PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee (PHCC Educational Foundation), and Refrigeration Service Engineers Society (RSES). Backed by these organizations and the high standards and cutting-edge resources that they are known for, the book begins with simple concepts that provide an overview of the world of HVAC/R and its main systems and components. Coverage then progresses to increasingly complex procedures, such as maintenance and inspection, installation and repair, and customer service and sales. This building-block approach, combined with numerous practical examples, makes the book the ideal resource for learning and applying key HVAC/R concepts. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## CONSTRUCTION LAW FOR MANAGERS, ARCHITECTS, AND ENGINEERS

Nancy J. White, Central Michigan University

© 2008, 528pp, Paperback, 9781418048471

### eBook



The construction industry now has a clear, targeted resource for learning pertinent legal principles. Traditional books focus on general legal principles or general construction practices, while this book focuses on that critical place where the law and

construction practices intersect. From labor law to contracts, property law to insurance, Construction Law for Managers, Architects, and Engineers uses real-world examples and clear, straightforward business language to transform complex legal jargon into relevant, applicable legal principles and strategies. This book serves as an ideal reference for managers, architects, engineers, construction executives, as well as a useful learning tool for students seeking the knowledge to succeed in these important fields. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## ELECTRICAL

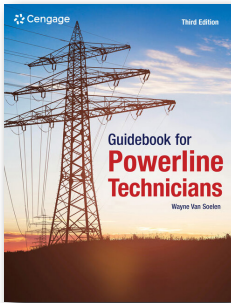
### NEW EDITION

## GUIDEBOOK FOR POWERLINE TECHNICIANS, 3E

Van Soelen

© 2025, 720pp, Paperback, 9780357934586

### MindTap



Van Soelen's **GUIDEBOOK FOR POWERLINE TECHNICIANS**, 3rd Edition, is a convenient, single-volume reference guide on the operation of electrical utility systems. Students are given practical coverage of the equipment and situations that power line

technicians are exposed to on a daily basis. Simple concepts are explained first, building upon the fundamentals to explain more complex theories. Updates include the most current industry information, including applications of recent technology. This book contains in-depth exploration of mechanical aspects of the job such as working with rigging, trucks, stringing wire and tree felling. The need for safety and training is highlighted throughout the book, giving students a guide to learning the skills to construct, operate and maintain lines and cables in an electrical utility system.

### NEW EDITION

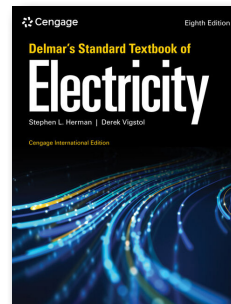
## DELMAR'S STANDARD TEXTBOOK OF ELECTRICITY, 9E

Cengage International Edition

Herman/Vigstol

© 2026, 1024pp, Hardback, 9798214129518

### MindTap



Herman/Vigstol's **DELMAR'S STANDARD TEXTBOOK OF ELECTRICITY**, CENGAGE INTERNATIONAL EDITION 8th Edition, combines basic electrical theory with practical information with no requirement for prior electrical knowledge. The

text also limits math to basic algebra and trigonometry with step-by-step examples. Quality schematics and illustrations guide students through basic electrical circuits, DC and AC theory and equipment such as meters, transformers and motors. Numerous examples demonstrate how to complete common tasks electricians perform, while specific units cover only one or two topics each to ensure clarity. In addition, any discussion of installation practices has been written for compliance with the 2023 edition of NFPA 70?: National Electrical Code? (NEC?). MindTap online resources are also available with interactive multimedia and options to customize, track and report progress.



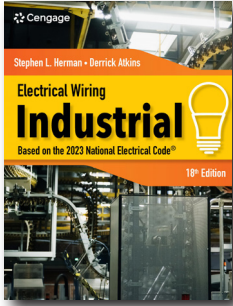
## NEW EDITION

# ELECTRICAL WIRING INDUSTRIAL, 18E

Herman/Atkins

© 2024, 416pp, Paperback, 9780357767245

## MindTap



Written for industrial wiring courses at two-year community and technical colleges, Herman/Atkins's **ELECTRICAL WIRING INDUSTRIAL, 18th Edition**, walks learners step-by-step through the basics of installing wiring systems in an industrial building. A set

of blueprints included with the text empowers students to apply chapter concepts to a realistic industrial building project as they progress through the content and continue building practical skills. This pairing of theory and application helps students understand and meet the 2023 National Electric Code® (NEC®) industry-standard requirements for electrical system layout and installation. Now printed in vibrant full color, the 18th Edition is ideal for engaging today's visual learners, with abundant drawings, schematics and illustrations that bring key concepts to life and connect chapter material to real-life applications.

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## NEW EDITION

# ELECTRICAL WIRING RESIDENTIAL, 21E

Ray C. Mullin; Phil Simmons, Simmons Electrical Services;  
Derek Vigstol, e-Hazard Management, LLC

© 2024, 848pp, Paperback, 9780357766965

## MindTap eBook



Master the latest industry standards and procedures with proven industry leader Mullin/Simmons/ Vigstol's **ELECTRICAL WIRING RESIDENTIAL, 21st Edition**. In addition to comprehensive, authoritative coverage of the 2023 NFPA 70®:

National Electrical Code® (NEC®), this trusted text gives you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, **ELECTRICAL WIRING RESIDENTIAL** offers detailed explanations without being overly technical and clearly relates the NEC® to real-world installation processes used by today's professionals. Vivid illustrations coordinate with the latest NEC® regulations, and foldout plans provide hands-on practice applying code requirements to prepare you for career success.

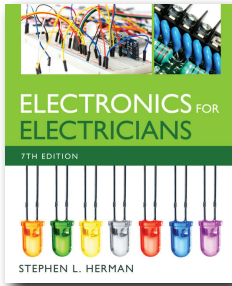
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## ELECTRONICS FOR ELECTRICIANS, 7E

Stephen L. Herman, *Lee College (retired)*

© 2017, 512pp, Paperback, 9781305505995

### MindTap eBook



The Seventh Edition of **ELECTRONICS FOR ELECTRICIANS** is a practical and relevant guide for anyone preparing for a career in industrial settings. With its updated graphics and increased coverage of important topics, this text helps you understand

components and circuits in terms of how they work, what they do, how to use them, and how to test them. Review questions and problems in every chapter expose you to the electronic devices commonly found in industry -- as well as the circuit applications of those devices -- while lab experiments give you hands-on experience putting what you learn into practice.

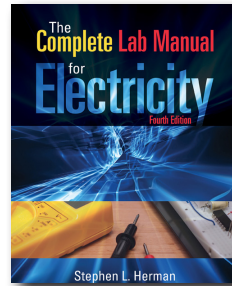
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## THE COMPLETE LAB MANUAL FOR ELECTRICITY, 4E

Stephen L. Herman, *Lee College (retired)*

© 2015, 480pp, Paperback, 9781133673828

### eBook



Now you can master the hands-on electrical skills you need for professional success with **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E** by best-selling author Stephen Herman. No matter what electrical theory book you

are using, **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY** offers the perfect fit with a logical progression of topics and meaningful, cost-effective experiments. Updated lab activities throughout this edition now incorporate the use of wirewound resistors rather than incandescent lamps to correspond with the latest government regulations. You explore all aspects of electrical concepts — from basic electricity through AC theory, transformers, and motor controls. Each lab offers a clear explanation of the circuits to be connected, examples of the calculations to complete the exercise, and step-by-step procedures for conducting the experiment. Trust **THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E** as a stand-alone resource or ideal supplement (e.g., to the Delmar Standard Textbook of Electricity) for mastery of the hands-on electrical skills you need the most.

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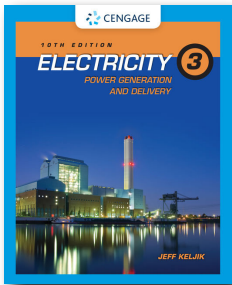
## ELECTRICITY 3, 10E

Power Generation and Delivery

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 280pp, Paperback, 9781111646738

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 3: POWER GENERATION AND DELIVERY, 10E** explores various types of generators and the delivery of single phase and three-phase power to the customer site.

Its thorough coverage of

power generation and delivery includes topics such as DC generators, polyphase circuits, three-phase wye and delta connections, electrical characteristics of three-phase alternators, alternative power sources, transformers, and more. New photos and drawings offer vivid illustrations of text concepts. An excellent resource for both students and practicing electrical workers, **ELECTRICITY 3** emphasizes electrical system operation, giving readers a solid understanding of electrical procedures and how to apply them while troubleshooting.

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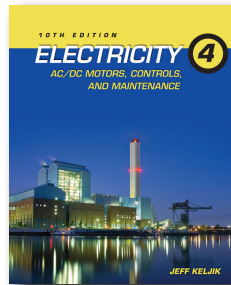
## ELECTRICITY 4, 10E

AC/DC Motors, Controls, and Maintenance

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 372pp, Paperback, 9781111646752

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 4: AC/DC MOTORS, CONTROLS, AND MAINTENANCE, 10E** delivers practical coverage of AC/DC motors, controls, and maintenance. It offers you quick and easy access to current information on DC

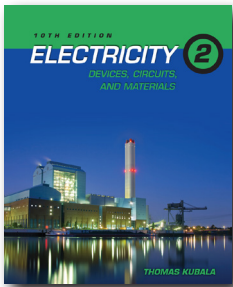
motors, AC motors, motor control, electromechanical and solid-state relays and timers, synchronous motors, installation, sensyn units, motor maintenance, and more. The text combines thorough explanations of how systems work with relevant, hands-on examples of electrical system operation to help you develop troubleshooting skills. National Electrical Code®

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**ELECTRICITY 2, 10E**  
 Devices, Circuits and Materials  
 Thomas Kubala

© 2013, 168pp, Paperback, 9781111646714

**eBook**



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a thorough introduction to various types of alternating current (AC) circuits, as well as key principles such as power, power factor, power

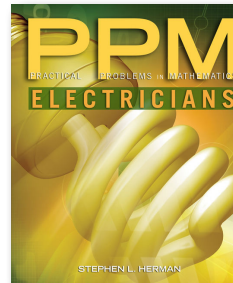
factor correction, inductive reactance, capacitive reactance, and impedance. **ELECTRICITY 2: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, including AC power, wiring installation, lighting, and effective troubleshooting.

**PRACTICAL PROBLEMS IN  
 MATHEMATICS FOR ELECTRICIANS,  
 9E**

Stephen L. Herman, *Lee College (retired)*

© 2012, 208pp, Paperback, 9781111313470

**eBook**



**PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E** will give you the math skills you need to succeed in the electrical trade. It introduces you to the important math principles through problems designed for the electrical profession and offers you

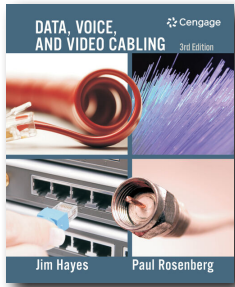
an excellent opportunity to develop and practice problem-solving skills while at the same time providing a valuable review of electrical terminology. This new edition uses the same straightforward writing style and simple, step-by-step explanations that made previous editions so reader-friendly. It minimizes theory and emphasizes problem-solving techniques and practice problems. This new edition also includes updated illustrations and information for a better learning experience than ever before! The book begins with basic arithmetic and then, once these basic topics have been mastered, progresses to algebra and concludes with trigonometry. Practical problems with real-world scenarios from the electrical field are used throughout, allowing you to apply key mathematical concepts while developing an awareness of basic electrical terms and practices. This is the perfect resource for students entering the electrical industry, or those simply looking to brush up on the necessary math.

## DATA, VOICE AND VIDEO CABLING, 3E

Jim Hayes, *The Fiber Optic Association*; Paul Rosenberg, *Iowa State University*

© 2009, 324pp, Paperback, 9781428334724

### eBook



Cabling is one of the fastest changing technologies, and Data, Voice and Video Cabling, 3rd Edition, has been updated to address all the latest developments in premises cabling, including technologies and applications in copper, fiber, and wireless cabling. This

text is organized to aid in the understanding of cabling, by following a logical format that covers background information on communications systems and media first, and then delves into more detailed discussions on each media type: copper, wireless, and fiber. Separating the key concepts into specific sections also helps to minimize confusion between the unique installation practices among the different technologies. Within each section, topics progress from the basics to components, installation, and testing to assist in the development of individual skills. This book also provides readers with important background and resources regarding the most recent cabling standards, which are an integral part of this fast-paced industry.

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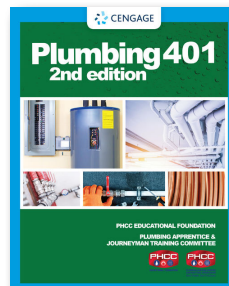
## PLUMBING

### PLUMBING 401, 2E

PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee; Ed Moore, *York Technical College*

© 2020, 464pp, Paperback, 9781337391832

### MindTap eBook



Created in partnership with the Plumbing-Heating-Cooling Contractors National Association Educational Foundation (PHCC) and designed for your fourth-year of plumbing apprenticeship, PLUMBING 401, Second Edition, uses a clear, reader-friendly

writing style to help you gain a thorough understanding of advanced plumbing systems. Coverage spans residential, commercial, industrial, and institutional settings and includes important topics such as service and repair, blueprint reading, installation practices, heating systems, and related science and plumbing codes (both International and Uniform). Highly practical in its approach, this series breaks down complex plumbing applications into easy-to-understand principles while introducing you to a wide variety of plumbing scenarios using engaging text and full-color illustrations. In addition to abundant examples illustrating real-world solutions to common plumbing problems, the text features a strong emphasis on safety and the latest plumbing technology. Equally valuable for both apprentice and licensed plumbers, this trusted guidebook is an ideal resource to prepare you for career success. Check out our free app DEWALT® Mobile Pro™, a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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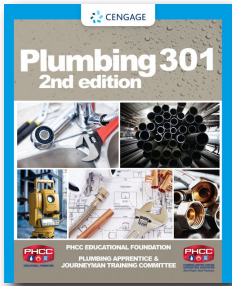


## PLUMBING 301, 2E

*PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee; Ed Moore, York Technical College*

© 2018, 576pp, Paperback, 9781337391764

MindTap eBook



Designed for your third year as a plumbing apprentice, PLUMBING 301, Second Edition, combines a visually appealing, full-color design, clear writing style, and the most current plumbing and gas code references to give you everything you need to know for both commercial

and residential plumbing. Coverage begins with basic installation practices; progresses to blueprint reading, the National Fuel Gas Code, and surveying instruments; and includes special chapters devoted to the math and science of plumbing. The Second Edition builds on this thorough foundation with new discussions of hydronic systems, LP gas systems, ejector systems, water treatment, and electrical controls and wiring, plus enhanced content on preplanning and electrical controls. Now better than ever, this valuable text gives you the tools you need to be successful as you continue your journey into the plumbing industry. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

## RESIDENTIAL CONSTRUCTION ACADEMY, 3E

Facilities Maintenance: Maintaining, Repairing, and Remodeling

*Kevin Standiford, Arkansas Teacher Retirement System, Little Rock, AR, Lead Program Analyst*

© 2014, 592pp, Paperback, 9781133282433

eBook



Created in partnership with the Home Builders Institute (HBI), the workforce development arm of the National Association of Home Builders (NAHB), the Residential Construction Academy Series is the only program based on the National Skill Standards for

residential construction. Step-by-step illustrations and an easy-to-read writing style make RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3E the powerful tool you need for any facilities maintenance course. This edition walks you through a straightforward approach that describes common maintenance tasks in detail, like carpentry, wiring, groundskeeping, appliance repair, painting, plumbing, and HVAC. Enhanced chapters on basic math and blueprint reading give you the most comprehensive training available. See the last three chapters for your energy efficiency concerns, two chapters on Weatherization and one on Solar. Plus, each section emphasizes safety and highlights the skills you can build that employers are searching for. RESIDENTIAL CONSTRUCTION ACADEMY: FACILITIES MAINTENANCE, 3RD is the manual you need to develop a solid foundation in facilities maintenance.

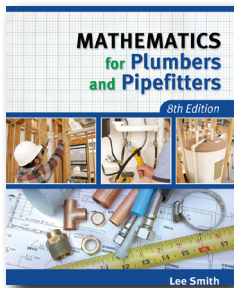


## MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8E

Lee Smith

© 2013, 288pp, Paperback, 9781111642600

### eBook



Now in its 8th edition, **MATHEMATICS FOR PLUMBERS AND PIPEFITTERS** delivers the essential math skills necessary in the plumbing and pipefitting professions. Starting with a thorough math review to ensure a solid foundation, the book

progresses into specific on-the-job applications, such as pipe length calculations, sheet metal work, and the builder's level. Broad-based subjects like physics, volume, pressures, and capacities round out your knowledge, while a new chapter on the business of plumbing invites you to consider an exciting entrepreneurial venture. Written by a Master Plumber and experienced vocational educator, **MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, 8th Edition** includes a multitude of real-world examples, reference tables, and formulas to help you build a rewarding career in the plumbing and pipefitting trade.

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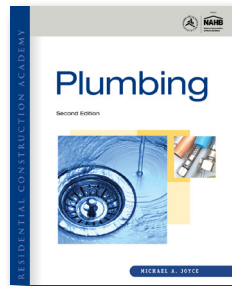
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Plumbing

Michael A. Joyce; Ray Holder

© 2012, 640pp, Hardback, 9781111307776

### eBook



**RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E** is the ideal book to create a direct link between your education/training program and the residential construction industry. The result of a strategic partnership between the

National Association of Home Builder's (NAHB) Home Builders Institute and Delmar, Cengage Learning, the Residential Construction Academy Series is the perfect way to learn essential workplace skills for readers new to the building trades. Written in partnership with the Home Builders Institute, and endorsed by NAHB, **RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E** provides a step-by-step approach to residential plumbing installations based on national skill standards. Focusing on "Green" advancement in the plumbing trades, this book thoroughly explains the process of installing residential plumbing systems by exploring topics such as tools of the trade and proper safety measures and by offering various tips to increase readers' on-the-job productivity. Logically organized to build a foundation of knowledge, this book progresses from the installation of common fixtures to troubleshooting techniques that will aid readers. An emphasis on creative layout and the importance of understanding code variations will foster readers' understanding of plumbing system installation that is based on typical situations as well as unique jobsite conditions.

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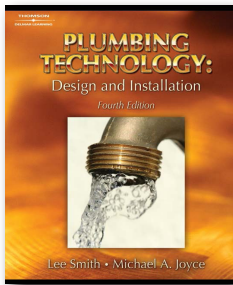
## PLUMBING TECHNOLOGY, 4E

Design and Installation

Lee Smith; Michael A. Joyce

© 2008, 576pp, Hardback, 9781418050917

### eBook



Prepare for a career in the commercial or residential plumbing fields with this popular book, which has been updated to reflect the very latest advancements in the plumbing industry. Plumbing Technology: Design and Installation, 4E has also been restructured

to begin with instruction on the major, introductory concepts, and then progressing to more specific, advanced lessons, allowing readers a complete and thorough understanding of the material. This edition includes coverage of the very latest products, tools, codes, and drain cleaning equipment that have had a remarkable impact on the plumbing industry and how plumbers work successfully. The latest water heater technology, such as Flammable Vapor Ignition Resistant heaters, DWV system segments and sizing, new safety regulations, and all relevant code changes are also addressed.

# CULINARY, HOSPITALITY, TRAVEL & TOURISM

## CULINARY

### PROFESSIONAL CHEF: KITCHEN OPERATIONS, 2E

Jason Ford, *Southern Queensland Institute of TAFE*; Gary Hunter, *Westminster Kingsway College*; Terry Tinton, *Westminster Kingsway College*; Neil Rippington, *Colchester Institute*

© 2015, 400pp, Paperback, 9780170245555



All the fresh ingredients you need for a successful career in Commercial Cookery. Now in a brand new, two-book split edition, Professional Chef 2e is available as Kitchen Operations (Volume 1) covering core units from SIT20312 Certificate II in

Kitchen Operations qualification and as Commercial Cookery (Volume 2) covering core units from SIT30813 Certificate III in Commercial Cookery qualification. Professional Chef 2e is the ultimate guide for aspiring chefs looking to excel in their studies and make progress toward a rewarding and stimulating career. It clearly explains the skills, techniques and theory needed to excel in your studies, succeed in the kitchen and compete for some of the finest jobs in the catering industry. To access your Student Website, please visit <https://get.ga/9780170245555>

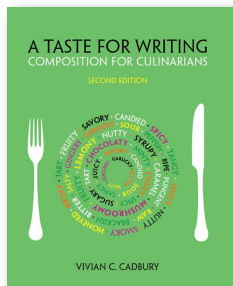
## A TASTE FOR WRITING, 2E

Composition for Culinarians

Vivian C. Cadbury

© 2015, 648pp, Paperback, 9781133277910

### eBook



**A TASTE FOR WRITING: COMPOSITION FOR CULINARIANS**, Second Edition is the ideal resource to help culinary arts students and professionals master key grammar principles and writing practices while learning to express themselves as confidently

on the page as they do in the kitchen. The author's signature writing style is engaging and accessible. Drawing on the language of food and cooking, she explains even the most difficult topics in a way sure to spark students' interest and encourage mastery of the material. Key concepts are brought to life through the analysis of student and professional writing samples, as well as the use of vivid examples from the food industry and popular culture. A variety of exercises leads students through all phases of the writing process, from the creative right-brain activities of generating ideas and writing a first draft to the analytical left-brain skills required for effective revision and editing. Although created specifically for culinary arts students and professionals, this one-of-a-kind book can be used by all readers to develop their skills in – and taste for – writing.

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## MATHS & ENGLISH FOR HOSPITALITY AND CATERING

Functional Skills

*Andrew Spencer, teaches secondary education in New South Wales and South Australia.; Neil Rippington, Colchester Institute*

© 2013, 64pp, Paperback, 9781408072691

### eBook



This write-in workbook is an invaluable resource to help learners improve their Maths and English skills and prepare for Level 1 and Level 2 Functional Skills exams. The workbook format enables learners to practice and improve their maths and English skills

and the real-life questions, exercises and scenarios are all written with a Catering and Hospitality context to help students find essential Maths and English theory understandable, engaging and achievable. This workbook is an invaluable resource to support Maths and English learning in the classroom, at work and for personal study at home.

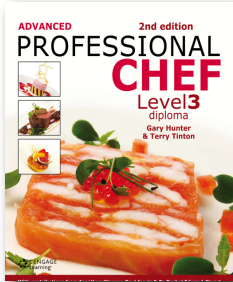
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## ADVANCED PROFESSIONAL CHEF LEVEL 3 DIPLOMA, 2E

Gary Hunter, *Westminster Kingsway College*; Terry Tinton,  
*Westminster Kingsway College*

© 2013, 544pp, Paperback, 9781408064214

### eBook



Advanced Professional Chef Level 3 Diploma, 2e is for chefs who want to reach the top. Written to provide complete coverage of both NVQ and VRQ Level 3 qualifications, this fully revised new edition will help learners perfect the superior skills needed to excel in

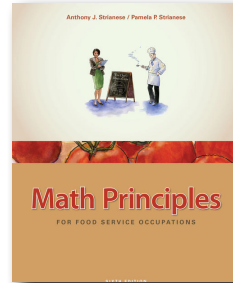
today's challenging kitchens. Advanced Professional Chef is packed full of recipes covering a comprehensive selection of exciting and challenging dishes, inspired by modern, classical and international techniques. With a focus on developing professional culinary knowledge, the book provides step-by-step guidance on how to carry out specialist butchery, larder and fishmonger techniques alongside clear explanations of all the underpinning theory for assessments.

## MATH PRINCIPLES FOR FOOD SERVICE OCCUPATIONS, 6E

Anthony J. Strianese, *Schenectady County Community College, Schenectady, New York*; Pamela P. Strianese, *North Colonie Central Schools, Loudonville, New York*

© 2012, 384pp, Hardback, 9781435488823

### eBook



MATH PRINCIPLES FOR FOOD SERVICE OCCUPATIONS, 6E stresses the direct relevance of math skills in the food service industry while teaching the basic math principles that affect everything from basic recipe preparation to managing

food and labor costs in a restaurant operation. All the mathematical problems and concepts presented are explained in a simplified, logical, step-by-step manner. New to this edition, illustrations in full color add visual appeal to the text and help you master important concepts. Now in its 6th edition, this book demonstrates the importance of understanding and using math concepts to effectively make money in this demanding business. Part 1 explains how to use a calculator. Part 2 reviews basic math fundamentals. The following parts address math essentials and cost controls in food preparation and math essentials in food service record keeping, while the last part of the book concentrates on managerial math. New topics to this 6th edition include controlling beverage costs; clarifying and explaining the difference between fluid ounces and avoirdupois ounces; and an entire new section on yield testing and how to conduct these tests. There are new methods using helpful memory devices and acronyms to help you remember procedures and formulas, such as BLT, NO, and the Big Ounce. New strategies and charts are also shown and explained on how to use purchases in order to control food and beverage costs and how transfers affect food and beverage costs. In addition, sections have been added on how to control costs using food (or liquor, or labor) cost percentage guidelines. The

content in MATH PRINCIPLES FOR FOOD SERVICE OCCUPATIONS, 6E meets the required knowledge and competencies for business and math skills as required by the American Culinary Federation.

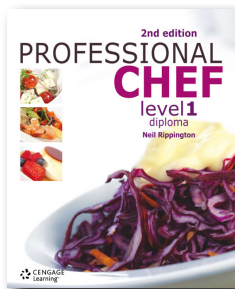
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## PROFESSIONAL CHEF LEVEL 1 DIPLOMA, 2E

*Neil Ripington, Colchester Institute*

© 2011, 256pp, Paperback, 9781408039083

### eBook



Professional Chef Level 1 Diploma, 2nd edition follows on from the extremely well received 1st edition and ensures learners have the foundation of theoretical and practical knowledge they need to start a successful career. This edition provides clear

mapping to Level 1 VRQ units on the revised QCF while maintaining a clear, easy to follow style and the popular pedagogical features such as 'Chefs Tips', Health & Safety and 'Quality Points'. Building on the previous edition, this textbook boasts updated images and recipes, expanded information on careers and the catering industry, extended glossary and much more! For the complete blended learning solution this book can be used alongside Professional Chef Online which is designed to support students and tutors and make theory interactive and engaging. This solution offers a host of resources including quizzes, online games, a searchable eBook, bonus recipes, an interactive food map of the British Isles, and over 140 video master chef classes!

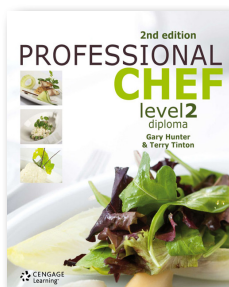
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## PROFESSIONAL CHEF LEVEL 2 DIPLOMA, 2E

*Gary Hunter, Westminster Kingsway College; Terry Tinton, Westminster Kingsway College*

© 2011, 608pp, Paperback, 9781408039090

### eBook



Professional Chef Level 2 Diploma, 2nd edition is THE guide for learners looking to take their professional cookery skills to the next level! With clear mapping to both the NVQ and VRQ syllabus, this is the most relevant and up-to-date level 2 Professional Cookery

book on the market. New and updated recipes now include professional photographs of the finished dish to help you develop your presentation skills on the road to becoming a Professional Chef. This comprehensive, easy-to use textbook combines theory and practice and provides a thorough introduction to all the skills and techniques required to work in a professional kitchen! For the complete blended learning solution this book can be used alongside Professional Chef Online which is designed to support students and tutors and make theory interactive and engaging. This solution offers a host of resources including quizzes, online games, a searchable eBook, bonus recipes, an interactive food map of the British Isles, and over 140 video master chef classes!

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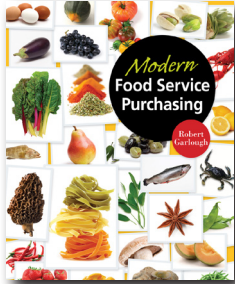
## MODERN FOOD SERVICE PURCHASING

Business Essentials to Procurement

*Robert B. Garlough, Secchia Institute for Culinary Education,  
Grand Rapids Community College, Grand Rapids, Michigan*

© 2011, 864pp, Hardback, 9781418039646

### eBook



MODERN FOOD SERVICE PURCHASING is designed specifically to provide culinary arts professionals with current, in-depth coverage of the essential concepts of purchasing, storeroom operations, and financial stewardship. This comprehensive resource

brings together under one cover the four fundamentals of contemporary food service purchasing: Market and distribution systems Storeroom operations Cost controls Product information Delivering a chef-focused overview of financial management and the formulas used to control a successful business, Modern Food Service Purchasing explains in detail how to set up a successful storeroom operation while providing chefs and buyers with a comprehensive reference that will deliver value for years to come. Extensive color photography, useful charts and forms, and a comprehensive glossary of key terms round out the coverage.

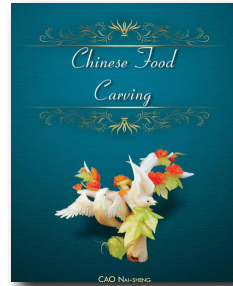
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## CHINESE FOOD CARVING

*Cao Nai-sheng*

© 2009, 0pp, Hardback, 9789814253321

### AsiaTitle



Food carving is a unique art form that integrates cooking, painting, and carving. It works on hard materials such as vegetables, melons, and fruits as well as soft materials like flour, sugar, and butter using such tools as fillet knife, scraper knife, and scooping knife. This

book is a choice collection of food carvings done by Mr. Cao Nai-Sheng.

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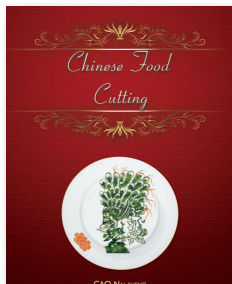


## CHINESE FOOD CUTTING

*Cao Nai-sheng*

© 2009, Opp, Hardback, 9789814253314

**AsiaTitle**



Food cutting refers to those visual artworks made from various thin-layered food materials using scissors. These artworks can be used in hotels and restaurants to decorate the plates, giving the customers a refreshing feel. This book is compiled by Mr. Cao Nai-sheng who is highly accomplished in painting, food cutting and carving, cold dish presentation, flour dough sculpture, and flower making.

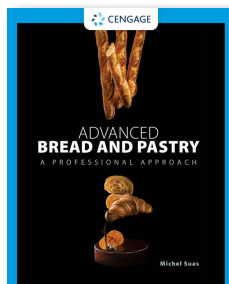
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## ADVANCED BREAD AND PASTRY

*Michel Suas*

© 2009, 1056pp, Hardback, 9781418011697

**eBook**



Advanced Bread & Pastry has a unique approach to providing advanced level concepts, techniques and formulas to those aspiring to be professional bakers and professional pastry chefs. Exquisite photographs are throughout to further inspire learners

and professionals of the unlimited potential of the craft. Advanced Bread and Pastry provides in depth information and troubleshooting strategies for addressing the complex techniques of the advanced level of bread and pastry arts.

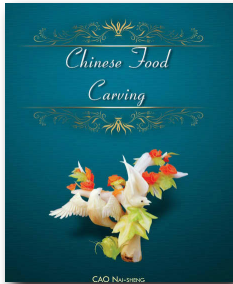
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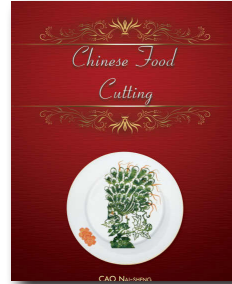
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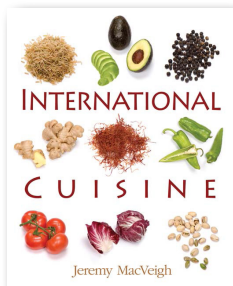
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## INTERNATIONAL CUISINE

Jeremy MacVeigh

© 2009, 557pp, Hardback, 9781418049652

### eBook



International Cuisine is the only available book that covers all of the major cuisines of the world in a single textbook with additional instructor resources to aid in instruction, such as comprehensive instructor's manual, online companion,

and robust electronic classroom manager, which includes PowerPoint slides, lesson plans, and a computerized testbank. Written for students and professional culinarians, this book fills the gap between the foundations laid by the introductory textbooks and reality in today's diverse kitchens. Included are sections on the influences that have contributed to the development of each cuisine, foreign culinary terms commonly used, and sub regions found within the cuisines. The chapters are clearly organized providing detailed information about cuisines in an easy to follow manner. International Cuisine provides comprehensive coverage exposing students to major cuisines around the world.

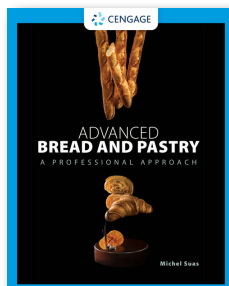
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## ADVANCED BREAD AND PASTRY

Michel Suas

© 2009, 1056pp, Hardback, 9781418011697

### eBook



Advanced Bread & Pastry has a unique approach to providing advanced level concepts, techniques and formulas to those aspiring to be professional bakers and professional pastry chefs. Exquisite photographs are throughout to further inspire learners

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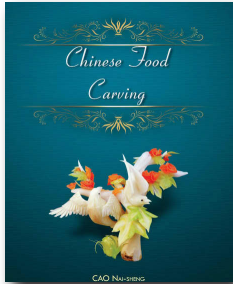
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## CHINESE FOOD CARVING

*Cao Nai-sheng*

© 2009, 0pp, Hardback, 9789814253321

**AsiaTitle**



Food carving is a unique art form that integrates cooking, painting, and carving. It works on hard materials such as vegetables, melons, and fruits as well as soft materials like flour, sugar, and butter using such tools as fillet knife, scraper knife, and scooping knife. This

book is a choice collection of food carvings done by Mr. Cao Nai-Sheng.

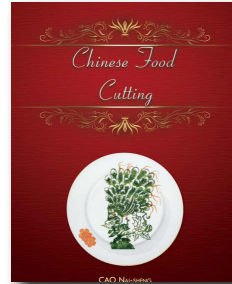
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## CHINESE FOOD CUTTING

*Cao Nai-sheng*

© 2009, 0pp, Hardback, 9789814253314

**AsiaTitle**



Food cutting refers to those visual artworks made from various thin-layered food materials using scissors. These artworks can be used in hotels and restaurants to decorate the plates, giving the customers a refreshing feel. This book is compiled by Mr. Cao Nai-sheng who

is highly accomplished in painting, food cutting and carving, cold dish presentation, flour dough sculpture, and flower making.

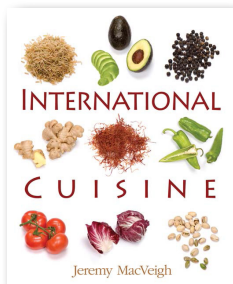
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## INTERNATIONAL CUISINE

Jeremy MacVeigh

© 2009, 557pp, Hardback, 9781418049652

### eBook



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## CULINARY, HOSPITALITY

## FOOD AND BEVERAGE SERVICE S/ NVQ LEVELS 1 & 2

Zoe Adjei, Westminster Kingsway College; Gary Hunter,  
Westminster Kingsway College

© 2009, 362pp, Paperback, 9781408007426

### eBook



Food and Beverage Service is THE book to help students develop their professional skills in the hospitality industry. Written by authors with years of experience in industry and training, you can be confident that this comprehensive textbook will cover everything that

learners need to know for their level 1 and 2 S/NVQ food and beverage service course.

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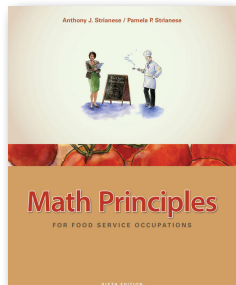
## FOOD SERVICE MANAGEMENT

### MATH PRINCIPLES FOR FOOD SERVICE OCCUPATIONS, 6E

*Anthony J. Strianese, Schenectady County Community College, Schenectady, New York; Pamela P. Strianese, North Colonie Central Schools, Loudonville, New York*

© 2012, 384pp, Hardback, 9781435488823

#### eBook



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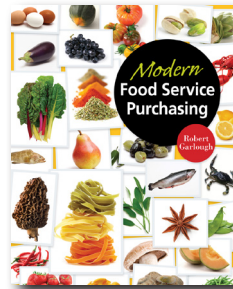
### MODERN FOOD SERVICE PURCHASING

Business Essentials to Procurement

*Robert B. Garlough, Secchia Institute for Culinary Education, Grand Rapids Community College, Grand Rapids, Michigan*

© 2011, 864pp, Hardback, 9781418039646

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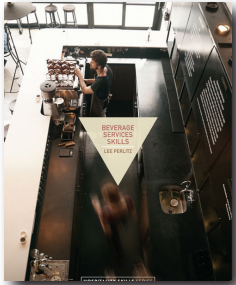


## BEVERAGE SERVICES SKILLS

Lee Perlitz, Lee Perlitz Training Consultancy

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### eBook



Looking to qualify in hospitality? Beverage Services Skills provides the required volume of learning and a fully rounded skill set. The practical spiral-bound format with tear-out worksheets allows you to learn in classroom and hospitality settings and

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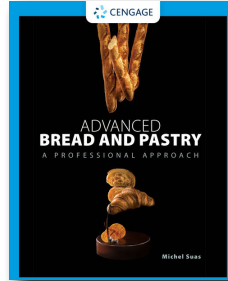
## HOME COOKING

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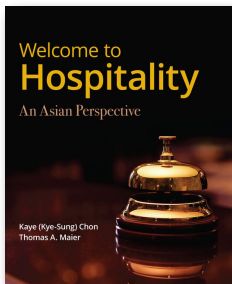
## HOSPITALITY

### WELCOME TO HOSPITALITY, AN ASIAN PERSPECTIVE

*Kaye (Kye-Sung) Chon, Ph.D., Ph.D., CHE, Chair, Professor and Director, School of Hotel and Tourism Management, The Hong Kong Polytechnic University; Thomas A. Maier, Ph.D.*

© 2021, Paperback, 9789814922234

#### AsiaTitle



Hotels, meeting and exhibition venues, travel and eco-tourism, food and beverage services all fall under the broad hospitality industry. Asia has seen significant growth in its hospitality industry over the past decade. Many hospitality groups are

rapidly expanding into the Asian hospitality market, focusing their efforts particularly in China, India, Indonesia, and Hong Kong. The first edition of *Welcome to Hospitality: An Asian Perspective* provides a broad overview of the Asian hospitality sector, including lodging, food and beverage services, global gaming, meetings, events and exhibitions, escapist tourism, and the future of the hospitality and tourism industry. Special attention is also given to Asia's unique culture and economic changes which have influenced hospitality. Additionally, new material surrounding robotics, artificial intelligence, innovation, digital transformation, and the advancement of technology are included. Leadership profiles of Asia's most successful hospitality leaders and "graduate glimpses" will also highlight the successful career paths afforded to students in the broad and diverse sectors within hospitality.

### HOSPITALITY MANAGEMENT, 4E

*Lynn van der Wagen, Northern Sydney Institute; Lauren White*

© 2019, 600pp, Paperback, 9780170411424

#### eBook



Written for SIT50416 Diploma of Hospitality Management, Hospitality Management, 4e covers all 13 core units plus seven electives. Each chapter is written to a unit of competency and maintains the volume of learning of previous editions, with

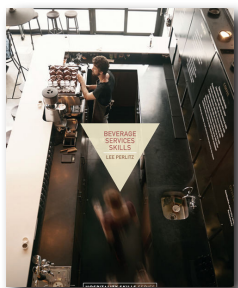
relevant and easy-to-understand information including Australian examples and references. Structured in three parts, the text covers the knowledge and skills required of frontline supervisors, managerial topics, and business strategy content. The 'Industry viewpoint' at the start of each chapter introduces students to current issues and themes in the hospitality industry, and numerous pedagogical features, examples and illustrations have been included throughout the text to help students engage with the material and extend their understanding. Each chapter includes activities for discussion and debate, with assessment activities requiring the understanding, application and analysis of case studies. Each section concludes with an integrated case study and weblinks to useful industry resources. To access your Student Website, please visit <https://get.ga/9780170411424>

## BEVERAGE SERVICES SKILLS

Lee Perlitz, Lee Perlitz Training Consultancy

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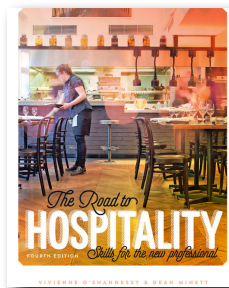
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## THE ROAD TO HOSPITALITY, 4E

Vivienne O'Shannessy; Dean Minnett

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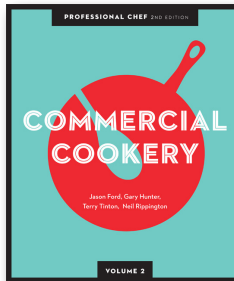
popular units with engaging visuals and content that reflects current hospitality design. Relevant and new employability skills and critical thinking connect students to real-life challenges.” Prepare students to master their skills and knowledge needed to succeed within the hospitality industry with the new edition of The Road to Hospitality: Skills for the New Professional, 4e. Thoroughly revised, The Road to Hospitality: Skills for the New Professional, 4e has been repositioned to cover core and elective units of competency at both Certificate II and III levels. Covering best practices, new techniques and legislations, this new edition uses real world industry examples and follows a clear and logical structure, which builds and strengthens the knowledge and skills of each student. Employability skills are emphasised holistically throughout the full-colour text. The Road to Hospitality: Skills for the New Professional, 4e supports learning and delivery in: • SIT20316 Certificate II in Hospitality • SIT30616 Certificate III in Hospitality Hospitality: Infinite possibilities. Endless opportunities.

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## PROFESSIONAL CHEF COMMERCIAL COOKERY, 2E

*Jason Ford, Southern Queensland Institute of TAFE; Gary Hunter, Westminster Kingsway College; Terry Tinton, Westminster Kingsway College; Neil Rippington, Colchester Institute*

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All the fresh ingredients you need for a successful career in Commercial Cookery. Now in a brand new 2 book split edition - Professional Chef 2e is available as: Kitchen Operations (Volume 1) covering core units from SIT20312 Certificate II in Kitchen Operations

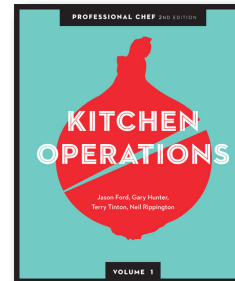
qualification Commercial Cookery (Volume 2) covering core units from SIT30813 Certificate III in Commercial Cookery qualification Professional Chef 2e is the ultimate guide for aspiring chefs looking to excel in their studies and progress towards a rewarding and stimulating career. It clearly explains the skills, techniques and theory needed to excel in your studies, succeed in the kitchen and compete for some of the finest jobs in the catering industry. To access your Student Website, please visit <https://get.ga/9780170245548>

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## PROFESSIONAL CHEF: KITCHEN OPERATIONS, 2E

*Jason Ford, Southern Queensland Institute of TAFE; Gary Hunter, Westminster Kingsway College; Terry Tinton, Westminster Kingsway College; Neil Rippington, Colchester Institute*

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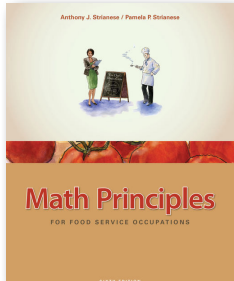
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## MATH PRINCIPLES FOR FOOD SERVICE OCCUPATIONS, 6E

Anthony J. Strianese, *Schenectady County Community College, Schenectady, New York*; Pamela P. Strianese, *North Colonie Central Schools, Loudonville, New York*

© 2012, 384pp, Hardback, 9781435488823

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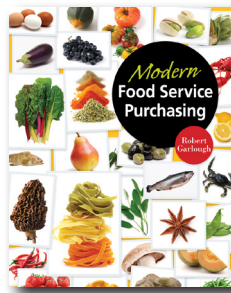
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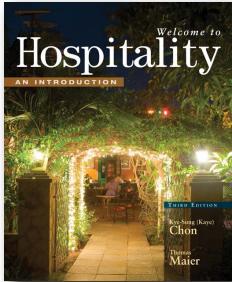
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## WELCOME TO HOSPITALITY, 3E An Introduction

*Kaye (Kye-Sung) Chon, Ph.D., Ph.D., CHE, Chair, Professor and Director, School of Hotel and Tourism Management, The Hong Kong Polytechnic University; Thomas A. Maier, Ph.D.*

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### eBook



Welcome to Hospitality: An Introduction provides a detailed description of the many facets of the Hospitality and Tourism sector, including tours and travel, hotels, restaurants, culinary, casino operations, cruises, and the recreation and leisure industries.

Personal profiles of industry leaders highlight the wide range of career opportunities available in the field. The authors discuss the Hospitality and Tourism industry's evolution toward increased internationalization and integration. Industry Insight vignettes offer a behind-the-scenes view of real-life job tasks and career success stories. Each chapter features practical case study scenarios, including business and social attitude comparatives, advertising and marketing messaging, financial modeling, and competitive analysis formulation. **New To This Edition:** Expanded coverage of industry career opportunities, a comprehensive new chapter on the Gaming Industry, and expanded coverage of Events Management.

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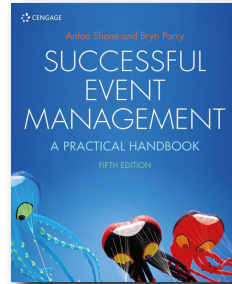
## SUCCESSFUL EVENT MANAGEMENT, 5E

A Practical Handbook

*Anton Shone, Colchester Institute; Bryn Parry, Southampton Business School, Southampton Solent University*

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### eBook





## EVENT MANAGEMENT, 5E

For Tourism, Cultural, Business and Sporting Events

*Lynn van der Wagen, Northern Sydney Institute; Lauren White*

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Events Management: For tourism, cultural, business and sporting events 5E helps you learn the skills and knowledge needed to achieve your Diploma of Event Management or undergraduate degree in Event Management and forge a successful career in

this field. The text helps you to build your understanding of tourism, cultural, business and sporting events. Case studies throughout the textbook highlight local and global events to give you examples of best practices for managing events of various scales and geographical contexts. Included revision quizzes enable you to test your understanding of the key topics and to make sure you're ready for your final exams. To access your Student Website, please visit <https://get.ga/9780170394451>

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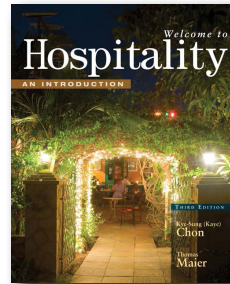
## WELCOME TO HOSPITALITY, 3E

An Introduction

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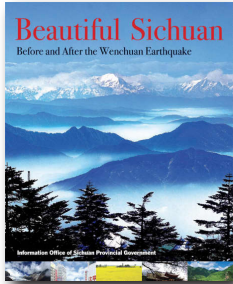
## TRAVEL & TOURISM

### BEAUTIFUL SICHUAN

Before and After the Great Wenchuan Earthquake  
*Information Office of Sichuan Provincial Government*

© 2010, 0pp, Hardback, 9789814281690

**AsiaTitle**



Located in southwestern China, Sichuan is known as the land of abundance and beauty, boasting a long history, dazzlingly rich and colorful plains, precipitous natural landscapes, and exotic ethnic cultures. On May 12, 2008, the province experienced an extraordinarily powerful and

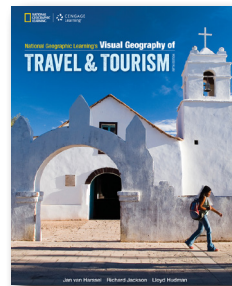
devastating earthquake that caused heavy casualties and rendered tremendous damages to its infrastructure. The sufferings caused by the massive earthquake were relieved through the quick and intensive efforts of the Chinese civilians, army, and government, as well as international relief agencies. Today, post-earthquake Sichuan is as beautiful as ever. Many of the world cultural heritage sites in the province survived the disaster. The Jiuzhai Valley, the Huanglong Scenic and Historical Interest Area, Leshan's Scenic Spot, and Mount Emei were hardly affected. The well-known ancient Dujiangyan Irrigation System, which was built over 2,000 years ago, was only slightly damaged. The province's diverse ethnic cultures have also survived the earthquake. In a word, the earthquake has exerted little influence on the area's cultural tourism. This book is arranged in the order of time and space in order to present the charm and beauty of Sichuan Province to readers across the world. It consists of four chapters. The first chapter provides an overview of the historical events that took place in Sichuan. The other three chapters introduce the topographic features and regional cultures through the descriptions of mountains, rivers, and ethnic minorities. The narratives of these chapters weave nature with humanity, aiming to help readers understand the humanistic landscape they will experience in the province.

### NATIONAL GEOGRAPHIC LEARNING'S VISUAL GEOGRAPHY OF TRAVEL AND TOURISM, 5E

*Jan van Harssel, Niagara University; Richard H. Jackson, Brigham Young University; Lloyd E. Hudman, Brigham Young University*

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**eBook**



Produced in partnership with the National Geographic Society, this remarkable text helps you master the basic tenets of world geography while exploring established and emerging tourist destinations worldwide. The text begins with an overview

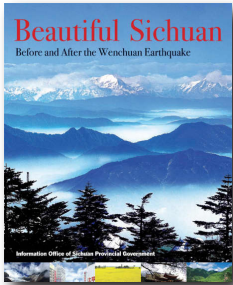
of geographic concepts and an introduction to the global tourism industry, including the perspective of both hosts and guests. World destinations are covered in twelve sections divided into short, easy-to-digest chapters, each presenting regional geographic information and physical, cultural, and touristic details specific to individual countries and locations. Each destination features a National Geographic map, descriptive introduction from the National Geographic Atlas of the World, key facts and data, travel and cultural tips, and information on significant tourist destinations and attractions. Each section contains National Geographic articles in the features "Insider Info," "Through the Visitor's Eyes," "City Highlights," and "Preserving the Future." In addition to extensive updates, the Fifth Edition now features a vibrant, full-color design. Ideal for avid travelers and aspiring hospitality, travel, and tourism professionals, NATIONAL GEOGRAPHIC LEARNING'S VISUAL GEOGRAPHY OF TRAVEL AND TOURISM, Fifth Edition, is an engaging and informative guide to the world's most unusual and appealing destinations.

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## ELECTRICAL TRADES

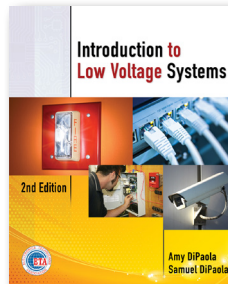
### DATA & VOICE COMMUNICATION

### INTRODUCTION TO LOW VOLTAGE SYSTEMS, 2E

*Sam DiPaola, Minnesota Statewide Limited Energy JATC; Amy DiPaola, Owner and Instructor at the Minnesota Electrical Training Center*

© 2013, 448pp, Paperback, 9781111639532

### eBook



Inside INTRODUCTION TO LOW VOLTAGE SYSTEMS, 2E you will discover comprehensive coverage of low voltage systems, associated devices, and the methods of the industry. All the basic elements of low voltage systems are combined into a single

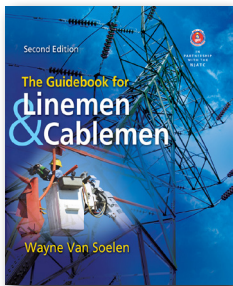
source to give a concrete understanding of the operation and integration of individual systems. Plus, this edition walks you through all you need to know about devices, connection and cabling, and the National Electrical Code® in addition to the language and terminology of the industry. And, it's written especially for industry novices so difficult topics can be absorbed swiftly.

## THE GUIDEBOOK FOR LINEMEN AND CABLEMEN, 2E

Wayne Van Soelen

© 2012, 816pp, Hardback, 9781111035013

### eBook



The Guidebook for Linemen and Cablemen, 2nd Edition is the much needed solution to a void that has existed for apprentices seeking to become journeymen linemen and anyone training to work on electrical utility circuits. Packaged as a convenient, single-volume

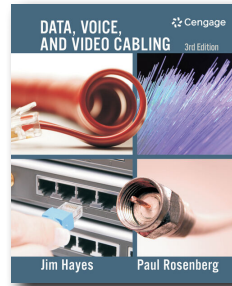
reference guide on the operation of electrical utility systems, this book will give you what other resources won't: practical coverage of the equipment and situations that power line workers are exposed to on a daily basis, with a focus on ensuring concepts are meaningful and applicable. This book also pays special attention to the order in which topics are addressed; simple concepts are explained first, and the book then builds upon these fundamentals to explain more complex theories, thereby setting a strong foundation for clearly understanding key rules and regulations. This text has been updated to include the most current industry information available, including applications of recent technology. This book also contains in-depth exploration of the mechanical aspects of the job, such as working with rigging, trucks, stringing wire, and tree felling. The need for safety and training is highlighted throughout the book, ultimately giving you a powerful guide for learning the necessary skills to construct, operate, and maintain the lines and cables in an electrical utility system. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

## DATA, VOICE AND VIDEO CABLING, 3E

Jim Hayes, *The Fiber Optic Association*; Paul Rosenberg, *Iowa State University*

© 2009, 324pp, Paperback, 9781428334724

### eBook



Cabling is one of the fastest changing technologies, and Data, Voice and Video Cabling, 3rd Edition, has been updated to address all the latest developments in premises cabling, including technologies and applications in copper, fiber, and wireless cabling. This

text is organized to aid in the understanding of cabling, by following a logical format that covers background information on communications systems and media first, and then delves into more detailed discussions on each media type: copper, wireless, and fiber. Separating the key concepts into specific sections also helps to minimize confusion between the unique installation practices among the different technologies. Within each section, topics progress from the basics to components, installation, and testing to assist in the development of individual skills. This book also provides readers with important background and resources regarding the most recent cabling standards, which are an integral part of this fast-paced industry.

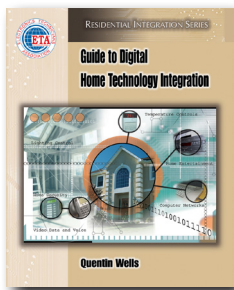


## GUIDE TO DIGITAL HOME TECHNOLOGY INTEGRATION

Quentin Wells, Salt Lake Community College

© 2009, 672pp, Paperback, 9781435400627

### eBook



The most complete, up-to-date resource for home technology integration and home automation available, Residential Integrator's Guide to Digital Home Technology Integration explores how the latest high-tech systems converge to create integrated, whole-

home unified systems. With a focus on installation, troubleshooting, and maintenance, coverage includes LANs, internet connectivity, video and audio systems, telephone systems, security systems, lighting controls, and more. The book first focuses on the basics of each technology segment, what it does, and how its various components work, and then progresses to explain how to connect these components into a unified working system that accomplishes a specific function. This instruction culminates in the ultimate in home technology integration fundamentals: it reveals how all home technologies can be integrated in a single home automation and communication system that provides maximum performance in all areas, while staying within the budget of the average home owner. Designed for the professional installer who wants to obtain DHTI+ certification or do-it-yourself home owners, the book's straightforward writing style and comprehensive approach make this a valuable resource.

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## ELECTRICAL

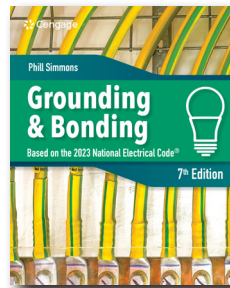
### NEW EDITION

## ELECTRICAL GROUNDING AND BONDING, 7E

Phil Simmons, Simmons Electrical Services; Mark Ode, Southwest Electrical Training and Consulting

© 2024, 432pp, Paperback, 9780357766835

### eBook



Completely updated to reflect the 2023 National Electrical Code®, Simmons/Ode's ELECTRICAL GROUNDING AND BONDING, 7th edition, equips you with a user-friendly, practical guide to the latest requirements in both Article 250 and Chapter

5 of the NEC® along with current industry best practices. Clear explanations, real-world examples and colorful illustrations help you master and apply key electrical concepts, such as calculating conductor sizes, reading and interpreting NEC tables, using grounded conductor connections in AC systems, managing installations and sizing, and applying "green" practices for energy efficiency and environmental sustainability. Whether you are pursuing a degree program, professional training or an apprenticeship, this must-have resource prepares you for career success.

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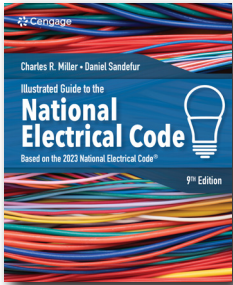
## NEW EDITION

# ILLUSTRATED GUIDE TO THE NATIONAL ELECTRICAL CODE, 9E

Charles R. Miller

© 2024, 512pp, Paperback, 9780357766712

## MindTap eBook



This uniquely effective guide will help you master the 2023 National Electrical Code®. The author uses highly detailed, technically accurate illustrations to make even the most complex aspects of the code easier to understand and apply, translating the

often complicated language of the 2023 NEC® into clear, simple instructions and helpful visuals. Organized logically to make learning easier, the text introduces you to fundamental concepts before progressing to requirements for various dwellings, including one-family homes, multi-family housing, commercial locations and special occupancies. In addition, a convenient, modular format makes it easy to reference relevant information whenever you need it. The Ninth Edition of this trusted resource provides detailed information on key updates and additions to the 2023 NEC, so you can confidently master the industry standards and best practices you'll need to know for career success. With comprehensive coverage, an innovative learning approach and accurate, up-to-date information, this indispensable guide is an ideal resource for students and professionals alike.

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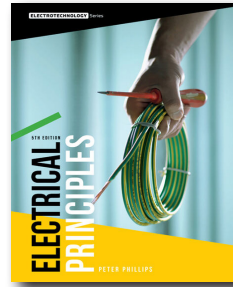
## NEW EDITION

# ELECTRICAL PRINCIPLES, 5E

Peter Phillips

© 2023, 704pp, Paperback, 9780170458412

## MindTap eBook



Electrical Principles by Peter Phillips covers the core knowledge components of the current UEE Electrotechnology Training Package, particularly targeting the Cert III and Cert II qualifications. The text has a student-friendly writing

style and uses the terminology typically used in the Electrical Trades. It includes examples and full-colour illustrations to help explain the topics.

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### NEW EDITION

## ELECTRICAL TRADE PRACTICES, 3E

Ralph Berry, University of Ottawa and University of Manitoba;  
Frank Cahill; Phillip Chadwick, Miller College of TAFE

© 2023, 720pp, Paperback, 9780170458467

### MindTap eBook



Electrical Trade Practices is for pre-apprenticeship and apprentice electricians undertaking the Certificate III in Electrotechnology Electrician. It addresses the core practical units of competency from the UEE Electrotechnology Training Package (UEE30820), and

is designed to use alongside the Phillips, Electrical Principles text. The text uses simple explanations and clear diagrams to make it easier to understand technical concepts, and covers AS/NZS 3000:2018, Electrical installations (Wiring Rules).

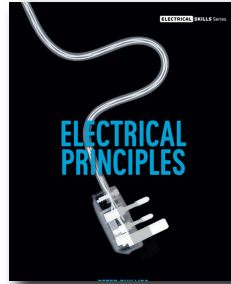
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## ELECTRICAL PRINCIPLES, 4E

Peter Phillips

© 2019, 688pp, Paperback, 9780170423670

### MindTap eBook



Electrical Principles includes more than 800 diagrams and hundreds of examples, as well as practice questions and self-check questions to make the basic principles easier for you to understand. Full-colour illustrations are combined with the text to

help explain important topics. It covers information about the current UEE11 Electrotechnology Training Package and the new AS/NZS 3000:2018 Wiring Rules. Supports learning in: - UEE30811 Certificate III in Electrotechnology Electrician - UEE22011 Certificate II in Electrotechnology (Career Start)

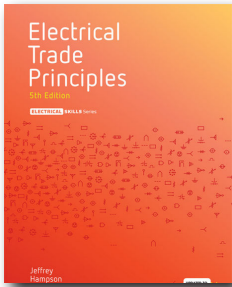
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## ELECTRICAL TRADE PRINCIPLES, 5E

Jeffrey Hampson, Retired; Steven Hanssen, North Sydney  
Institute TAFE - Meadowbank

© 2019, 656pp, Paperback, 9780170412230

### MindTap eBook



Electrical Trade Principles gives you the relevant industry knowledge that you need to progress through your course and complete the Capstone Assessment, so you can apply for an electrician's licence. With a focus on student essentials, this text responds to the

changing needs of electrocomms industries and includes more than 1000 illustrations to help you learn the subject material. Updated Trial Exam questions at the end of each chapter help you practice and prepare for the Capstone Assessment and Licensed Electrician's Assessment (LEA). Addresses the units within the UEE30811 Electrotechnology Training Package for Cert II and Cert III, and references the new AS/NZS 3000:2018 Wiring Rules Standard.

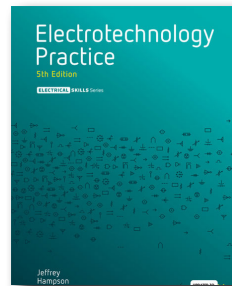
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## ELECTROTECHNOLOGY PRACTICE, 5E

Jeffrey Hampson, Retired; Steven Hanssen, North Sydney  
Institute TAFE - Meadowbank

© 2019, 456pp, Paperback, 9780170412223

### MindTap eBook



Electrotechnology Practice includes more than 1000 illustrations to help you learn various concepts and the real-world aspects of electrical practices. The text has a range of examples and review questions to support your understanding.

It covers the two key qualifications in the UEE Electrotechnology Training Package: - Certificate II in Electrotechnology (Career Start) - Certificate III in Electrotechnology Electrician Electrotechnology Practice prepares you to sit for the Capstone Assessment or the Licenced Electrician's Assessment (LEA), which is a requirement for an Electrician's Licence.

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## ELECTRICAL TRADE PRACTICES, 2E

Ralph Berry, University of Ottawa and University of Manitoba;  
Frank Cahill; Phillip Chadwick, Miller College of TAFE

© 2019, 760pp, Paperback, 9780170397957

### MindTap eBook



Updated to match the standards of the new edition of Electrical Installations (Wiring Rules) AS/NZS 3000:2018, and written to the core practical units of competency from the UEE11 Electrotechnology Training Package, Electrical Trade Practices, 2e by

Berry, Cahill and Chadwick follows the practical units of competency of the UEE30811 Certificate III in the Electrotechnology Electrician qualification. Designed as a companion text for pre-apprenticeship and apprentice electricians, Electrical Trade Practices is the practical volume to accompany Phillips, Electrical Principles.

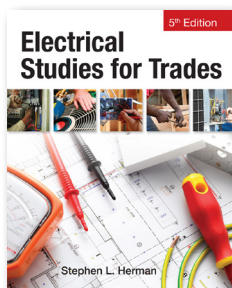
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## ELECTRICAL STUDIES FOR TRADES, 5E

Stephen L. Herman, Lee College (retired)

© 2014, 608pp, Paperback, 9781133278238

### eBook



Packed with real-world examples, vivid illustrations, and the latest developments from the field, ELECTRICAL STUDIES FOR TRADES, 5th EDITION is ideal for current and future service technicians in air conditioning and refrigeration, construction,

and facilities management--and anyone else who needs a practical knowledge of electricity. Extremely reader-friendly, the book begins with an overview of basic electricity concepts--rather than complex mathematical calculations. From here, you proceed directly to "must-know" information, including how to determine wire sizes and make a variety of common switch connections. Different types of electrical power panels are also examined in detail. Discussion of general wiring practices and circuit protectors, as well as an introduction to transformers and three-phase and single-phase motors, round out the comprehensive coverage.

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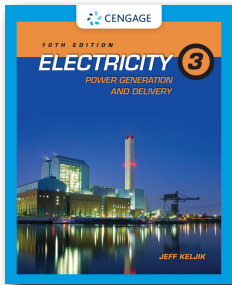
## ELECTRICITY 3, 10E

Power Generation and Delivery

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 280pp, Paperback, 9781111646738

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 3: POWER GENERATION AND DELIVERY, 10E** explores various types of generators and the delivery of single phase and three-phase power to the customer site. Its thorough coverage of

power generation and delivery includes topics such as DC generators, polyphase circuits, three-phase wye and delta connections, electrical characteristics of three-phase alternators, alternative power sources, transformers, and more. New photos and drawings offer vivid illustrations of text concepts. An excellent resource for both students and practicing electrical workers, **ELECTRICITY 3** emphasizes electrical system operation, giving readers a solid understanding of electrical procedures and how to apply them while troubleshooting.

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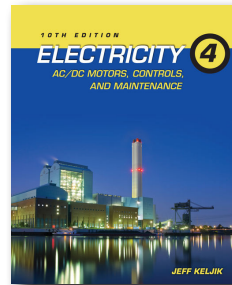
## ELECTRICITY 4, 10E

AC/DC Motors, Controls, and Maintenance

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 372pp, Paperback, 9781111646752

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 4: AC/DC MOTORS, CONTROLS, AND MAINTENANCE, 10e** delivers practical coverage of AC/DC motors, controls, and maintenance. It offers you quick and easy access to current information on DC

motors, AC motors, motor control, electromechanical and solid-state relays and timers, synchronous motors, installation, sensyn units, motor maintenance, and more. The text combines thorough explanations of how systems work with relevant, hands-on examples of electrical system operation to help you develop troubleshooting skills. National Electrical Code®

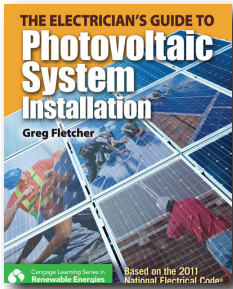
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## THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION

Gregory W. Fletcher, *Kennebec Valley Community College*

© 2014, 352pp, Paperback, 9781111639969

MindTap **eBook**



Written with the installing electrician in mind, THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION provides you with a simple, straightforward approach to understanding photovoltaic system installation in both residential and light

commercial buildings. Filled with illustrations, examples, and multiple opportunities for practice, this comprehensive book includes the most up-to-date information on photovoltaic installation available on the market today. In addition, coverage of topics such as the National Electrical Code® requirements for a photovoltaic system installation ensures that you will be well prepared for the North American Board of Certified Energy Practitioners' (NABCEP) entry level photovoltaic installer certification exam.

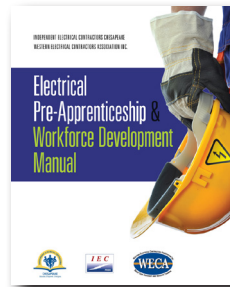
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## ELECTRICAL PRE-APPRENTICESHIP AND WORKFORCE DEVELOPMENT MANUAL

IEC Chesapeake; Weca

© 2013, 400pp, Hardback, 97811111316891

**eBook**



An introduction to the electrical trades, the ELECTRICAL PRE-APPRENTICESHIP & WORKFORCE DEVELOPMENT MANUAL primes you for success in an apprenticeship program or for a career as an electrician. This all-inclusive

manual focuses not only on basic electrical training but also includes the critical math, reading, safety, and soft skills necessary for success in the workplace. By demonstrating the skills in the learning objectives, you will gain additional marketable skills for employment. A critical first resource for anyone considering a career in the electrical trades, the ELECTRICAL PRE-APPRENTICESHIP & WORKFORCE DEVELOPMENT MANUAL supports your learning with interactive assignments, experience-building labs, and helpful life skills tips.

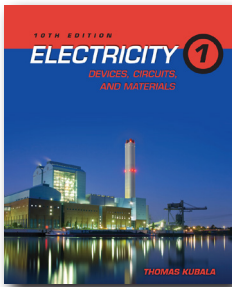
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## ELECTRICITY 1, 10E

Devices, Circuits, and Materials  
*Thomas Kubala*

© 2013, 192pp, Paperback, 9781111646691

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a solid foundation in electron theory and movement, direct-current series circuits, parallel circuits, series-parallel circuits, voltage line

drops, rotating machinery fundamentals, and more. **ELECTRICITY 1: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach that are so effective, all while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, house wiring, or commercial installations.

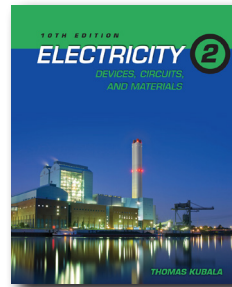
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## ELECTRICITY 2, 10E

Devices, Circuits and Materials  
*Thomas Kubala*

© 2013, 168pp, Paperback, 9781111646714

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a thorough introduction to various types of alternating current (AC) circuits, as well as key principles such as power, power factor, power

factor correction, inductive reactance, capacitive reactance, and impedance. **ELECTRICITY 2: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, including AC power, wiring installation, lighting, and effective troubleshooting.

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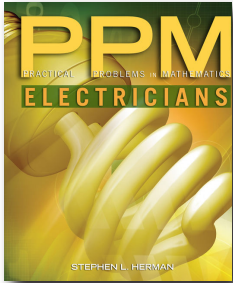


## PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E

Stephen L. Herman, *Lee College (retired)*

© 2012, 208pp, Paperback, 9781111313470

### eBook



PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E will give you the math skills you need to succeed in the electrical trade. It introduces you to the important math principles through problems designed for the electrical profession and offers you

an excellent opportunity to develop and practice problem-solving skills while at the same time providing a valuable review of electrical terminology. This new edition uses the same straightforward writing style and simple, step-by-step explanations that made previous editions so reader-friendly. It minimizes theory and emphasizes problem-solving techniques and practice problems. This new edition also includes updated illustrations and information for a better learning experience than ever before! The book begins with basic arithmetic and then, once these basic topics have been mastered, progresses to algebra and concludes with trigonometry. Practical problems with real-world scenarios from the electrical field are used throughout, allowing you to apply key mathematical concepts while developing an awareness of basic electrical terms and practices. This is the perfect resource for students entering the electrical industry, or those simply looking to brush up on the necessary math.

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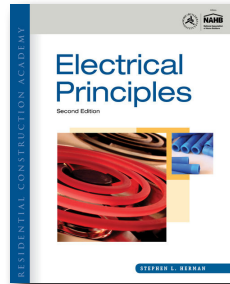
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Electrical Principles

Stephen L. Herman, *Lee College (retired)*

© 2012, 320pp, Hardback, 9781111306472

### eBook



Through the use of a lively writing style and frequent examples, RESIDENTIAL CONSTRUCTION ACADEMY: ELECTRICAL PRINCIPLES, 2E covers the important topics that you need to know to become a residential electrician. The author, Stephen L. Herman,

logically presents the basic electrical principles from safety to motors and discusses how to go from theory to application. This text helps you learn the work skills, functions and activities included in the Residential Electrician Skill Standards developed by industry leaders for the National Association of Home Builders (NAHB). With its supplemental multimedia this text provides an integrated teaching solution directly linking your education/training program to the residential construction industry.

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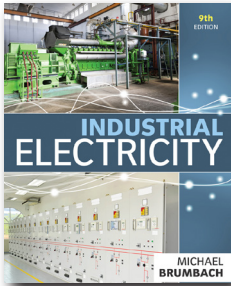
## ELECTRICAL THEORY

### INDUSTRIAL ELECTRICITY, 9E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina

© 2017, 688pp, Hardback, 9781285863986

#### MindTap eBook



INDUSTRIAL ELECTRICITY, Ninth Edition, presents the essentials of electrical theory in a clear, current, logical manner to help you master both fundamental concepts and more advanced subjects relevant to the field of industrial

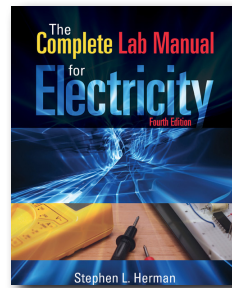
electricity. Coverage begins with foundational topics like electrical symbols and drawings, current, voltage, resistance, and power, while subsequent chapters introduce Ohm's Law; series, parallel, and combination circuits; and resistive and reactive circuits. The text also includes thorough discussion of advanced subjects such as rotating machinery, motor controls, transformers, electronic drives, and PLCs, as well as practical information on key real-world applications of electrical theory, including installation, maintenance, and troubleshooting. The Ninth Edition features more than 800 illustrations and photos to help explain key concepts and bring theory and practice alike to life.

### THE COMPLETE LAB MANUAL FOR ELECTRICITY, 4E

Stephen L. Herman, Lee College (retired)

© 2015, 480pp, Paperback, 9781133673828

#### eBook



Now you can master the hands-on electrical skills you need for professional success with THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E by best-selling author Stephen Herman. No matter what electrical theory book you

are using, THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY offers the perfect fit with a logical progression of topics and meaningful, cost-effective experiments. Updated lab activities throughout this edition now incorporate the use of wirewound resistors rather than incandescent lamps to correspond with the latest government regulations. You explore all aspects of electrical concepts — from basic electricity through AC theory, transformers, and motor controls. Each lab offers a clear explanation of the circuits to be connected, examples of the calculations to complete the exercise, and step-by-step procedures for conducting the experiment. Trust THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, 4E as a stand-alone resource or ideal supplement (e.g., to the Delmar Standard Textbook of Electricity) for mastery of the hands-on electrical skills you need the most.

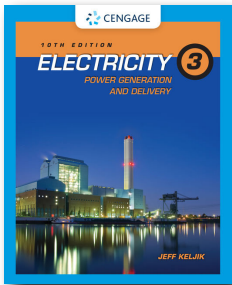
## ELECTRICITY 3, 10E

Power Generation and Delivery

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 280pp, Paperback, 9781111646738

### eBook



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Its thorough coverage of

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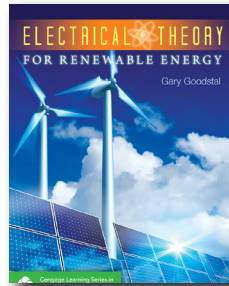
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## ELECTRICAL THEORY FOR RENEWABLE ENERGY

Gary Goodstal

© 2013, 352pp, Paperback, 9781133127550

### eBook



Essential for anyone interested in a career in renewable energy, **ELECTRICAL THEORY FOR RENEWABLE ENERGY** presents a solid foundation of electrical theory and applications for both photovoltaic (PV) power and wind power in

one engaging text. Designed to apply to electricians as well as individuals specializing in PV and wind turbines, each chapter provides a common technical language and knowledge base for all renewable energy practitioners so that all members of the team (i.e., practitioners, designers, installers, and engineers) are able to work together effectively in the field. With multiple examples and opportunities for practice, this text covers the basic electrical theory that is required for you to understand any renewable energy source that generates electricity.

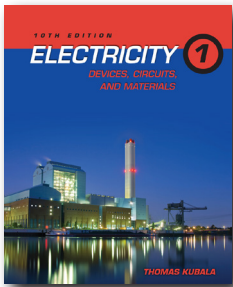
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## ELECTRICITY 1, 10E

Devices, Circuits, and Materials  
Thomas Kubala

© 2013, 192pp, Paperback, 9781111646691

### eBook



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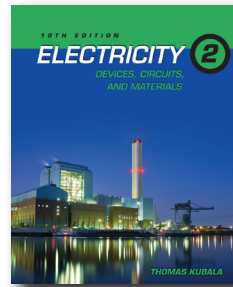
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## ELECTRICITY 2, 10E

Devices, Circuits and Materials  
Thomas Kubala

© 2013, 168pp, Paperback, 9781111646714

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a thorough introduction to various types of alternating current (AC) circuits, as well as key principles such as power, power factor, power

factor correction, inductive reactance, capacitive reactance, and impedance. **ELECTRICITY 2: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, including AC power, wiring installation, lighting, and effective troubleshooting.

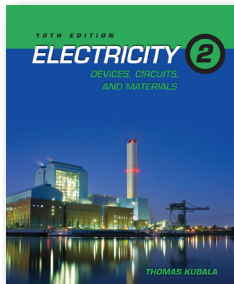
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## ELECTRICITY 2, 10E

Devices, Circuits and Materials  
*Thomas Kubala*

© 2013, 168pp, Paperback, 9781111646714

### eBook



Designed to help you learn fundamental electrical concepts and explore their practical applications, this trusted text provides a thorough introduction to various types of alternating current (AC) circuits, as well as key principles such as power, power factor, power

factor correction, inductive reactance, capacitive reactance, and impedance. **ELECTRICITY 2: DEVICES, CIRCUITS AND MATERIALS**, Tenth Edition, maintains the user-friendly style and proven instructional approach while incorporating new material and updates based on the 2011 National Electrical Code®. Featuring current industry terminology, photographs of commonly used electrical equipment, and sample problems with solutions, this convenient, affordable text is an ideal choice for anyone interested in mastering basic electricity, including AC power, wiring installation, lighting, and effective troubleshooting.

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## ALTERNATING CURRENT FUNDAMENTALS, 8E

*Stephen L. Herman, Lee College (retired)*

© 2012, 768pp, Paperback, 9781111125271

### eBook



**ALTERNATING CURRENT FUNDAMENTALS, 8E**, an industrial standard for over thirty years, has been updated to provide you with the most current information available on the essentials of alternating current. The topics in this book are arranged to build your

knowledge, progressing from basic principles such as the differences between peak, rms, and average values to more complex coverage of circuits containing resistance, inductance, and capacitance. This edition of **ALTERNATING CURRENT FUNDAMENTALS, 8E** includes additional information on diodes and rectifiers and contains improved graphics that will assist you in understanding state-of-the-art concepts.

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## DIRECT CURRENT FUNDAMENTALS, 8E

Stephen L. Herman, *Lee College (retired)*

© 2012, 512pp, Paperback, 9781111127466

### eBook



For nearly half a century, this widely acclaimed text has presented the fundamental concepts of direct current electricity and magnetism in a straightforward, practical manner. This reader-friendly guide to DC electrical theory and

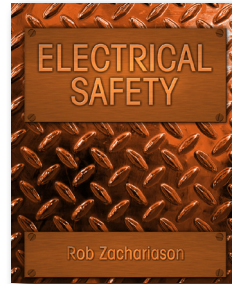
applications is both thorough and focused, providing detailed coverage in a convenient, affordable volume. The new Eighth Edition retains the distinguishing features that are the cornerstone of this trusted text, including logically organized content that progresses step-by-step from basic principles to advanced concepts. Enhancements for the new edition include updated photographs and illustrations to help you grasp essential concepts quickly and apply your knowledge with confidence, as well as special icons highlighting “green” tips on energy efficiency.

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## ELECTRICAL SAFETY

Rob Zacharison, *Minnesota State Community and Technical College*

© 2012, 288pp, Paperback, 9781435481855



Can your understanding of electrical safety ever be too thorough? ELECTRICAL SAFETY utilizes photographs, line art, and easy to follow language to stress the importance of safety when working around electricity. The text is written through the eyes of an electrical worker to give accurate scenarios of potential hazards such as electric shock and arcing incidents. Details on personal safety, hazardous working conditions and safety organizations such as OSHA and NFPA 70E make this book the perfect choice for beginner electricians.

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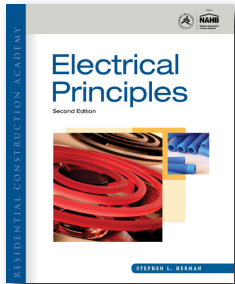


## RESIDENTIAL CONSTRUCTION ACADEMY, 2E Electrical Principles

*Stephen L. Herman, Lee College (retired)*

© 2012, 320pp, Hardback, 9781111306472

### eBook



Through the use of a lively writing style and frequent examples, RESIDENTIAL CONSTRUCTION ACADEMY: ELECTRICAL PRINCIPLES, 2E covers the important topics that you need to know to become a residential electrician. The author, Stephen L. Herman,

logically presents the basic electrical principles from safety to motors and discusses how to go from theory to application. This text helps you learn the work skills, functions and activities included in the Residential Electrician Skill Standards developed by industry leaders for the National Association of Home Builders (NAHB). With its supplemental multimedia this text provides an integrated teaching solution directly linking your education/training program to the residential construction industry.

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## HVAC-R AND ELECTRICITY

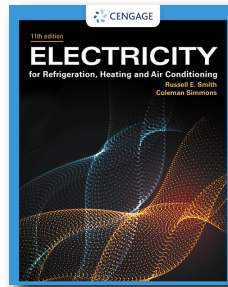
### NEW EDITION

## ELECTRICITY FOR REFRIGERATION, HEATING, AND AIR CONDITIONING, 11E

*Russell E. Smith, Athens Technical College*

© 2023, 704pp, Hardback, 9780357618707

### MindTap



Master the electrical principles and practices you need to succeed as a professional installation and service technician with this trusted guide. Accurate and easy-to-understand, ELECTRICITY FOR REFRIGERATION, HEATING AND AIR

CONDITIONING, Eleventh Edition, will give you a strong foundation in essential electrical theory--and help you hone real-world skills and techniques you can apply on the job. Thoroughly updated for today's professionals, the Eleventh Edition includes up-to-date information based on current trends, technology and industry practices--including key diagnosis and troubleshooting methods--making this an ideal resource whether you're new to the field or a current practitioner ready to update your knowledge and skills. Available with this text is The Complete HVAC Lab Manual, which features over 250 lab exercises covering 15 topic areas. See the supplements section for more details.

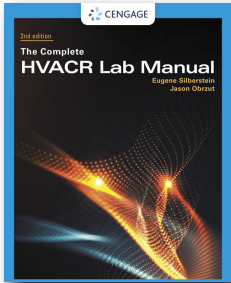
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## NEW EDITION

### THE COMPLETE HVACR LAB MANUAL, 2E

*Eugene Silberstein, Suffolk County Community College, Brentwood, NY; Jason Obrzut, Content Developer, The ESCO Institute, Mount Prospect, IL*

© 2023, 832pp, Paperback, 9780357618738



The Complete HVAC Lab Manual is a comprehensive resource that covers the essential knowledge and skills required to be an HVAC technician. Featuring over 250 lab exercises, this lab manual is designed to support the hands-on application and practice

needed to confidently approach HVAC/R system issues.

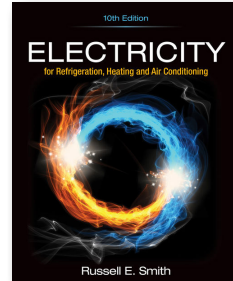
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### ELECTRICITY FOR REFRIGERATION, HEATING, AND AIR CONDITIONING, 10E

*Russell E. Smith, Athens Technical College*

© 2019, 720pp, Hardback, 9781337399128

## MindTap eBook



Master the electrical principles and practices you need to succeed as a professional installation and service technician with this trusted guide. Accurate and easy-to-understand, **ELECTRICITY FOR REFRIGERATION, HEATING AND AIR**

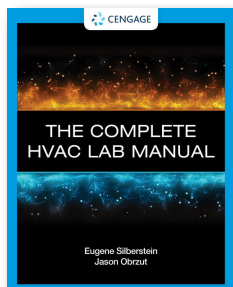
**CONDITIONING**, Tenth Edition, will give you a strong foundation in essential electrical theory--and help you hone real-world skills and techniques you can apply on the job. Thoroughly updated for today's professionals, the Tenth Edition includes up-to-date information based on current trends, technology, and industry practices--including key diagnosis and troubleshooting methods--making this an ideal resource whether you're new to the field or a current practitioner ready to update your knowledge and skills. Now available with this text is The Complete HVAC Lab Manual, which features over 250 lab exercises, covering 15 topic areas. See the supplements section for more details.

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## THE COMPLETE HVAC LAB MANUAL BY SILBERSTEIN/OBRZUT

*Eugene Silberstein, Suffolk County Community College, Brentwood, NY; Jason Obrzut, Content Developer, The ESCO Institute, Mount Prospect, IL*

© 2019, 832pp, Paperback, 9781337399388



Featuring over 250 lab exercises, this lab manual is designed to provide practice for all activities performed in the refrigeration, heating, and air conditioning industry, with exercises correlated to the following solutions: Refrigeration and Air Conditioning Technology, 7e, 8e, 9e; Electricity for Refrigeration, Heating and Air Conditioning, 8e, 9e, 10e; Heat Pumps, 2e and RCA: HVAC, 2e.

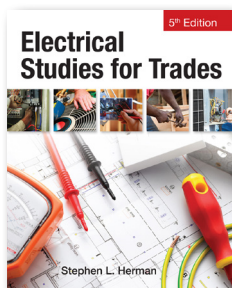
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## ELECTRICAL STUDIES FOR TRADES, 5E

*Stephen L. Herman, Lee College (retired)*

© 2014, 608pp, Paperback, 9781133278238

### eBook



Packed with real-world examples, vivid illustrations, and the latest developments from the field, **ELECTRICAL STUDIES FOR TRADES, 5th EDITION** is ideal for current and future service technicians in air conditioning and refrigeration, construction,

and facilities management--and anyone else who needs a practical knowledge of electricity. Extremely reader-friendly, the book begins with an overview of basic electricity concepts--rather than complex mathematical calculations. From here, you proceed directly to "must-know" information, including how to determine wire sizes and make a variety of common switch connections. Different types of electrical power panels are also examined in detail. Discussion of general wiring practices and circuit protectors, as well as an introduction to transformers and three-phase and single-phase motors, round out the comprehensive coverage.

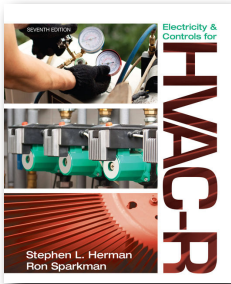
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## ELECTRICITY AND CONTROLS FOR HVAC-R, 7E

Stephen L. Herman, *Lee College (retired); Sparkman*

© 2014, 608pp, Paperback, 9781133278207

### eBook



Offering the most up-to-date coverage available, **ELECTRICITY AND CONTROLS FOR HVAC-R, 7e** emphasizes the basics as it equips you with the information needed to work effectively with all types of motors and control devices found in the heating and

air-conditioning industry. Extremely student friendly, the text requires no prior knowledge of electricity. It begins with discussions of essential basic electricity and electrical circuits concepts—ensuring thorough understanding before advancing to other topics. In addition, detailed schematic diagrams and step-by-step troubleshooting procedures highlight all of the different types of circuits commonly encountered in the HVAC-R field. The Seventh Edition is packed with vibrant photos, engaging illustrations, and coverage of the latest technology and developments from the field. It also reflects the current National Electrical Code® requirements.

## INDUSTRIAL ELECTRICITY & MOTOR CONTROL

### NEW EDITION

## UNDERSTANDING MOTOR CONTROLS, 5E

Cengage International Edition

*Herman/Seiler*

© 2026, 657pp, Hardback, 9798214129464

### MindTap eBook



Herman/Seiler's **UNDERSTANDING MOTOR CONTROLS, Cengage International Edition**, is designed for students with no previous experience in motor controls and introduces basic principles for using components in motor

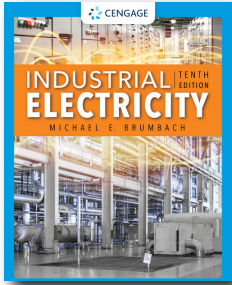
control circuits. Illustrations depict the building of complicated circuits and troubleshooting skills with basic types of meters and test equipment. While the use of modern equipment is highlighted throughout the book, legacy types of timers and other motor control devices are also included for reference. Updates include the most recent edition of the National Electrical Code®, clearly illustrating how to select overloads and protect the control circuitry. Motor control components and hands-on laboratory experiments enable students to practice concepts, starting with simple circuits and advancing to more complicated topics involving timing relays, programmable devices and auto-transformer starters.

## INDUSTRIAL ELECTRICITY, 10E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina

© 2022, 624pp, Hardback, 9780357451298

### MindTap



**I N D U S T R I A L**  
ELECTRICITY, Tenth Edition, presents the essentials of electrical theory in a clear, current, logical manner to help you master both fundamental concepts and more advanced subjects relevant to the field of industrial

electricity. Coverage begins with foundational topics like safety, electrical symbols and drawings, current, voltage, resistance and power, while subsequent chapters introduce Ohm's Law; series, parallel and combination circuits; and resistive and reactive circuits. The text also includes thorough discussion of advanced subjects such as test equipment, rotating machinery, motor controls, transformers, electronic drives and PLCs, as well as practical information on key real-world applications of electrical theory, including installation, maintenance and troubleshooting. The Tenth Edition features more than 800 illustrations and photos--now presented in vibrant, full color for a more visually engaging learning experience--to help explain key concepts and bring both theory and practice to life.

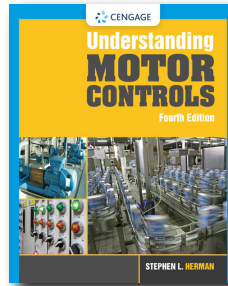
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## UNDERSTANDING MOTOR CONTROLS, 4E

Stephen L. Herman, Lee College (retired)

© 2020, 720pp, Hardback, 9781337798686

### MindTap eBook



Designed for students with no previous experience in motor controls, Herman's UNDERSTANDING MOTOR CONTROLS, 4E introduces basic principles and guides readers from learning about common motor control components to understanding how to use

components in motor control circuits. Numerous up-to-date illustrations depict troubleshooting circuits while thorough explanations detail basic types of meters and test equipment to troubleshoot control circuits. An updated chapter on installing motors corresponds with the National Electrical Code and clearly illustrates how to select overload heater sizes. Using actual motor control components, hands-on laboratory experiments enable students to practice the concepts they've learned. These student-friendly experiments start with simple circuits before advancing to more complicated circuits involving timing relays and auto-transformer starters.

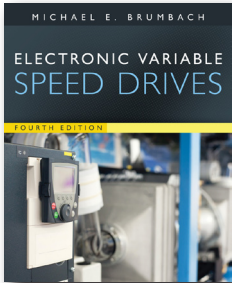
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## ELECTRONIC VARIABLE SPEED DRIVES, 4E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2018, 272pp, Paperback, 9781133134046

### eBook



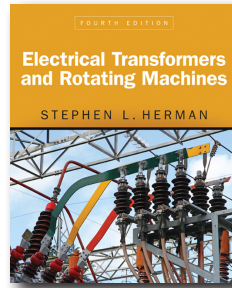
Gain a thorough understanding of today's electronic variable speed drives with this one-of-a-kind practical guide. **ELECTRONIC VARIABLE SPEED DRIVES, 4E** provides the information essential for mastering DC and inverter drive technology. Using a logical structure, this book introduces fundamental drive circuits before presenting more complex drive circuits. This new edition highlights the most current technology advances for drives. The authors use their extensive industry and teaching experience to present theory in a clear, straightforward manner with the emphasis you need on both troubleshooting and maintenance. New hands-on activities provide additional practice using the Allen-Bradley PowerFlex 70, while numerous waveform schematics guide you through operating different types of drives and interpreting their circuitry. Specific chapters focus on digital regenerative DC drives and frequency inverters as well as mechanical and electrical installation, set-up, tuning, programming, operating, and troubleshooting of each drive.

## ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4E

Stephen L. Herman, Lee College (retired)

© 2017, 624pp, Paperback, 9781305494817

### eBook



Written specifically for future electricians, **ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4e** delivers comprehensive coverage that reflects real-world practice. Extremely student friendly, the book uses common language in a format that is easy to understand. Offering the ideal blend of theory and hands-on applications, it integrates experiments throughout -- enabling you to put what you learn into practice. In addition, insightful schematics and illustrations ensure your thorough understanding of key concepts.

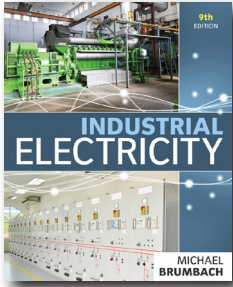


## INDUSTRIAL ELECTRICITY, 9E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina

© 2017, 688pp, Hardback, 9781285863986

### MindTap eBook



INDUSTRIAL ELECTRICITY, Ninth Edition, presents the essentials of electrical theory in a clear, current, logical manner to help you master both fundamental concepts and more advanced subjects relevant to the field of industrial

electricity. Coverage begins with foundational topics like electrical symbols and drawings, current, voltage, resistance, and power, while subsequent chapters introduce Ohm's Law; series, parallel, and combination circuits; and resistive and reactive circuits. The text also includes thorough discussion of advanced subjects such as rotating machinery, motor controls, transformers, electronic drives, and PLCs, as well as practical information on key real-world applications of electrical theory, including installation, maintenance, and troubleshooting. The Ninth Edition features more than 800 illustrations and photos to help explain key concepts and bring theory and practice alike to life.

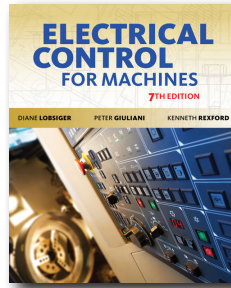
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## ELECTRICAL CONTROL FOR MACHINES, 7E

Diane Lobsiger, Delta College

© 2016, 400pp, Paperback, 9780357671160

### eBook



Reflecting the latest trends and practices from industry, the cutting-edge new ELECTRICAL CONTROLS FOR MACHINES, 7e delivers a thorough introduction to the range of technologies found in today's electrical machine controls. Completely up to

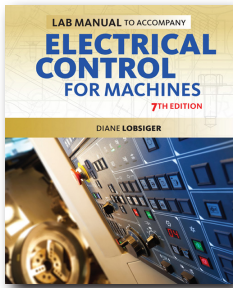
date, circuit diagrams and the descriptions of the circuits illustrate a modern representation of the controls circuits. The text also offers expansive coverage of the power and control circuitry required to operate electrical machinery. While it discusses the trend away from relay control to PLC control, the text maintains solid coverage of relay circuits. Its emphasis on the critical importance of worker and equipment safety in industrial settings includes a detailed explanation of the risk assessment process and a safety relay circuit. In addition, the inclusion of international equipment specifications reflects the dramatic impact of globalization and integration of businesses on the way industries function.

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## LAB MANUAL FOR LOBSIGER'S ELECTRICAL CONTROL FOR MACHINES, 7TH, 7E

*Diane Lobsiger, Delta College*

© 2016, 160pp, Paperback, 9781285169057



The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

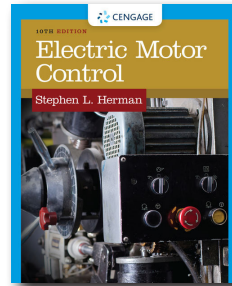
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## ELECTRIC MOTOR CONTROL, 10E

*Stephen L. Herman, Lee College (retired)*

© 2015, 480pp, Paperback, 9781133702818

**eBook**



Updated with the latest technology, machines, and controls in the industry, **ELECTRIC MOTOR CONTROL, 10E** delivers comprehensive coverage and practical insight for anyone who will install, monitor, and/or maintain motor controls. Extremely

reader friendly, the book begins by introducing the simplest of equipment and then helps you build on your knowledge as you learn step by step how to draw and interpret motor control schematic diagrams. Subsequent units offer detailed coverage of motor control components and how they are connected to form complete control circuits. The text ends with troubleshooting techniques that provide you with real-world practice.

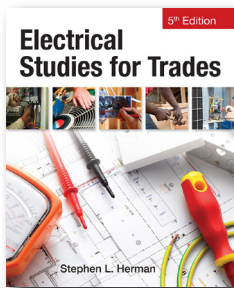
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## ELECTRICAL STUDIES FOR TRADES, 5E

Stephen L. Herman, *Lee College (retired)*

© 2014, 608pp, Paperback, 9781133278238

### eBook



Packed with real-world examples, vivid illustrations, and the latest developments from the field, **ELECTRICAL STUDIES FOR TRADES, 5th EDITION** is ideal for current and future service technicians in air conditioning and refrigeration, construction,

and facilities management--and anyone else who needs a practical knowledge of electricity. Extremely reader-friendly, the book begins with an overview of basic electricity concepts--rather than complex mathematical calculations. From here, you proceed directly to "must-know" information, including how to determine wire sizes and make a variety of common switch connections. Different types of electrical power panels are also examined in detail. Discussion of general wiring practices and circuit protectors, as well as an introduction to transformers and three-phase and single-phase motors, round out the comprehensive coverage.

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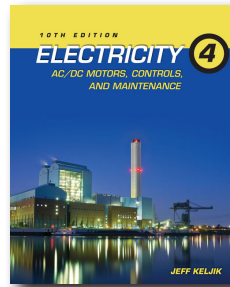
## ELECTRICITY 4, 10E

AC/DC Motors, Controls, and Maintenance

Jeffrey J. Keljik, *Dunwoody Institute, Minneapolis, MN*

© 2014, 372pp, Paperback, 9781111646752

### eBook



Updated to the 2011 National Electrical Code®, **ELECTRICITY 4: AC/DC MOTORS, CONTROLS, AND MAINTENANCE, 10e** delivers practical coverage of AC/DC motors, controls, and maintenance. It offers you quick and easy access to current information on DC

motors, AC motors, motor control, electromechanical and solid-state relays and timers, synchronous motors, installation, sensyn units, motor maintenance, and more. The text combines thorough explanations of how systems work with relevant, hands-on examples of electrical system operation to help you develop troubleshooting skills. National Electrical Code®

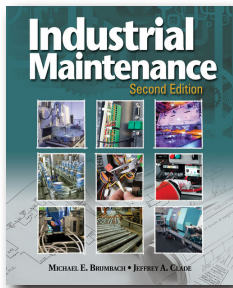
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Hardback, 9781133131199

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

information on safety, tools, industrial print reading, and electrical theory, this comprehensive text includes a detailed exploration of modern machinery and equipment to help you understand, diagnose, troubleshoot, and maintain a wide variety of industrial machines. This text has also been thoroughly updated and revised to reflect recent developments in this dynamic, rapidly evolving field, including current piping and fluid power symbols, rigging and mechanical installations, magnetism, transformers, motors and sensors, and industrial communications. With comprehensive, up-to-date coverage and a reader-friendly, modular presentation, INDUSTRIAL MAINTENANCE is the perfect resource to prepare you for success as an industrial maintenance technician.

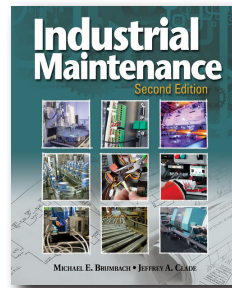
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Paperback, 9780357670644

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

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## INDUSTRIAL MOTOR CONTROL, 7E

*Stephen L. Herman, Lee College (retired)*

© 2014, 576pp, Paperback, 9780357670590

### eBook



INDUSTRIAL MOTOR CONTROL 7E is an integral part of any electrician training. Comprehensive and up to date, this book provides crucial information on basic relay control systems, programmable logic controllers, and solid state devices commonly

found in an industrial setting. Written by a highly qualified and respected author, you will find easy-to-follow instructions and essential information on controlling industrial motors and commonly used devices in contemporary industry. INDUSTRIAL MOTOR CONTROL 7E successfully bridges the gap between industrial maintenance and instrumentation, giving you a fundamental understanding of the operation of variable frequency drives, solid state relays, and other applications that employ electronic devices.

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## WORKBOOK AND LAB MANUAL FOR HERMAN'S INDUSTRIAL MOTOR CONTROL, 7TH, 7E

*Stephen L. Herman, Lee College (retired)*

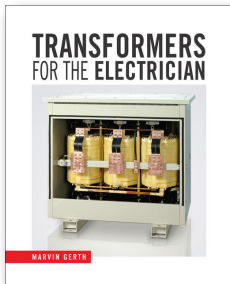
© 2014, 240pp, Paperback, 9781133691815



## TRANSFORMERS FOR THE ELECTRICIAN

Marvin Gerth, Anoka Technical College

© 2011, 192pp, Paperback, 9781435482395



Today's electrical students are looking for a resource that moves beyond traditional textbooks to get more than just transformer theory, but also the practical information that can be put to use in everyday situations once they enter the world of work. **TRANSFORMERS**

**FOR THE ELECTRICIAN** is the perfect solution! Written in a conversational style that minimizes technical jargon in favor of laymen's terms, the book presents a solid, comprehensive theoretical background of transformer operation, exploring its most important concepts through real-world examples, practical maintenance procedures, and pertinent National Electrical Code® rules. The end result: students will gain a thorough understanding of the critical information that a successful working electrician needs in order to connect, troubleshoot, and size just about any type of transformer.

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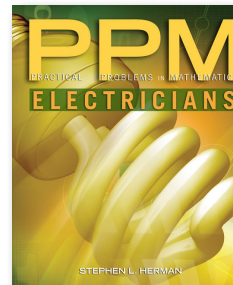
## MATHEMATICS

### PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E

Stephen L. Herman, Lee College (retired)

© 2012, 208pp, Paperback, 9781111313470

**eBook**



**PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS, 9E** will give you the math skills you need to succeed in the electrical trade. It introduces you to the important math principles through problems designed for the electrical profession and offers you

an excellent opportunity to develop and practice problem-solving skills while at the same time providing a valuable review of electrical terminology. This new edition uses the same straightforward writing style and simple, step-by-step explanations that made previous editions so reader-friendly. It minimizes theory and emphasizes problem-solving techniques and practice problems. This new edition also includes updated illustrations and information for a better learning experience than ever before! The book begins with basic arithmetic and then, once these basic topics have been mastered, progresses to algebra and concludes with trigonometry. Practical problems with real-world scenarios from the electrical field are used throughout, allowing you to apply key mathematical concepts while developing an awareness of basic electrical terms and practices. This is the perfect resource for students entering the electrical industry, or those simply looking to brush up on the necessary math.

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## NATIONAL ELECTRICAL CODE

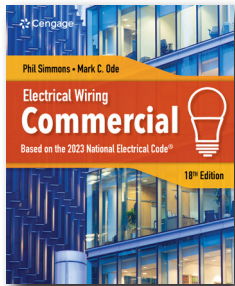
### NEW EDITION

## ELECTRICAL WIRING COMMERCIAL, 18E

*Phil Simmons, Simmons Electrical Services; Ray C. Mullin;  
Mark Ode, Southwest Electrical Training and Consulting*

© 2024, 640pp, Paperback, 9780357767108

### MindTap eBook



Completely revised to reflect the 2023 National Electrical Code® (NEC®), **ELECTRICAL WIRING COMMERCIAL**, Eighteenth Edition, offers the most current coverage available, giving you accurate, up-to-date information on the essential industry standards

you will need to apply as a working professional. This reader-friendly, trusted resource is filled with vibrant, full-color illustrations and photographs, bringing even difficult concepts to life and making complex material easier to understand. In addition to updates based on the 2023 NEC, the Eighteenth Edition features information on important recent developments in electrical design and installation, a strong emphasis on green technologies and safety in the workplace and ample coverage of topics you will likely encounter in this dynamic field. Providing uniquely practical preparation for real-world success, the text includes a full set of blueprints that walk you through designing and installing a commercial electrical project compliant with the latest edition of the NEC.

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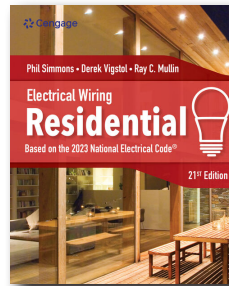
### NEW EDITION

## ELECTRICAL WIRING RESIDENTIAL, 21E

*Ray C. Mullin; Phil Simmons, Simmons Electrical Services;  
Derek Vigstol, e-Hazard Management, LLC*

© 2024, 848pp, Paperback, 9780357766965

### MindTap eBook



Master the latest industry standards and procedures with proven industry leader Mullin/Simmons/ Vigstol's **ELECTRICAL WIRING RESIDENTIAL**, 21st Edition. In addition to comprehensive, authoritative coverage of the 2023 NFPA 70®:

**National Electrical Code® (NEC®)**, this trusted text gives you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, **ELECTRICAL WIRING RESIDENTIAL** offers detailed explanations without being overly technical and clearly relates the NEC® to real-world installation processes used by today's professionals. Vivid illustrations coordinate with the latest NEC® regulations, and foldout plans provide hands-on practice applying code requirements to prepare you for career success.

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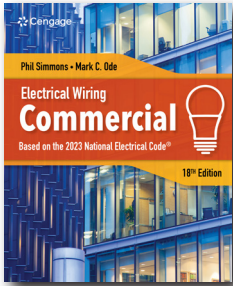
**NEW EDITION**

**ELECTRICAL WIRING COMMERCIAL, 18E**

*Phil Simmons, Simmons Electrical Services; Ray C. Mullin; Mark Ode, Southwest Electrical Training and Consulting*

© 2024, 640pp, Paperback, 9780357767108

**MindTap eBook**



Completely revised to reflect the 2023 National Electrical Code® (NEC®), **ELECTRICAL WIRING COMMERCIAL**, Eighteenth Edition, offers the most current coverage available, giving you accurate, up-to-date information on the essential industry standards

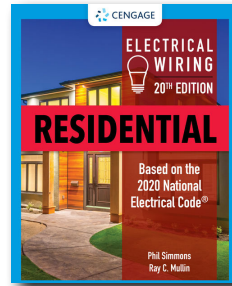
you will need to apply as a working professional. This reader-friendly, trusted resource is filled with vibrant, full-color illustrations and photographs, bringing even difficult concepts to life and making complex material easier to understand. In addition to updates based on the 2023 NEC, the Eighteenth Edition features information on important recent developments in electrical design and installation, a strong emphasis on green technologies and safety in the workplace and ample coverage of topics you will likely encounter in this dynamic field. Providing uniquely practical preparation for real-world success, the text includes a full set of blueprints that walk you through designing and installing a commercial electrical project compliant with the latest edition of the NEC.

**ELECTRICAL WIRING RESIDENTIAL, 20E**

*Ray C. Mullin; Phil Simmons, Simmons Electrical Services*

© 2021, 848pp, Hardback, 9780357425688

**MindTap**



Master the latest industry standards and procedures with longtime market leader **ELECTRICAL WIRING RESIDENTIAL**, Twentieth Edition. In addition to comprehensive, authoritative coverage of the 2020 National Electrical Code® (NEC®), this trusted

text will give you a thorough grounding in essential electrical theory and applications. Drawing on decades of industry and classroom experience, the authors guide you step-by-step through the critical tasks and responsibilities you can expect as a professional electrician in both new construction and existing homes. Extremely reader-friendly, the text offers detailed explanations without being overly technical, and content clearly relates the NEC to real-world installation processes used by today's professionals. Vivid Illustrations coordinate with the latest NEC regulations to provide further clarity, and foldout plans at the back of the text provide hands-on practice applying code requirements to prepare you for career success.

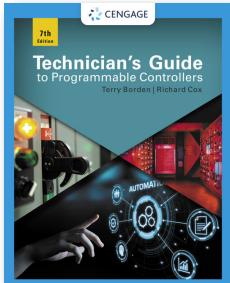
## PROGRAMMABLE CONTROLLERS

**NEW EDITION**

### TECHNICIAN'S GUIDE TO PROGRAMMABLE CONTROLLERS, 7E

*Terry Borden, Spokane Community College in Spokane;  
Richard A. Cox*

© 2023, 480pp, Paperback, 9780357622490



Practical and up-to-date, **TECHNICIAN'S GUIDE TO PROGRAMMABLE CONTROLLERS**, Seventh Edition, provides you with the most comprehensive introduction to programmable logic controllers (PLCs) available on the market today. Written

by professionals with experience in industrial automation, the text covers each topic in a way that makes even complex material easy to understand and apply, while all-new color figures, step-by-step programming information and detailed examples provide valuable practical insights. Theory, hardware, instructions, programming, installation, startup and troubleshooting are discussed in detail, and programming examples using PLC instructions from the text help you understand the various instructions and how they can be used to create simple yet effective control logic solutions for today's world. This thorough guide will give you a solid understanding of PLC and industrial automation fundamentals, helping you prepare for success in the classroom and your future career.

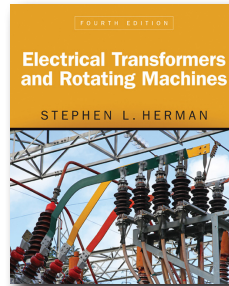
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### ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4E

*Stephen L. Herman, Lee College (retired)*

© 2017, 624pp, Paperback, 9781305494817

**eBook**



Written specifically for future electricians, **ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, 4e** delivers comprehensive coverage that reflects real-world practice. Extremely student friendly, the book uses common language in

a format that is easy to understand. Offering the ideal blend of theory and hands-on applications, it integrates experiments throughout -- enabling you to put what you learn into practice. In addition, insightful schematics and illustrations ensure your thorough understanding of key concepts.

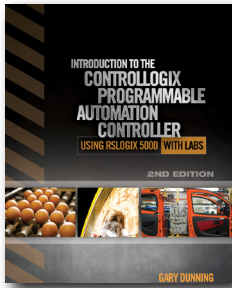
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## INTRODUCTION TO THE CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLER WITH LABS, 2E

Gary Dunning, Hennepin Technical College

© 2014, 288pp, Paperback, 9781111539290

### eBook



INTRODUCTION TO THE CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLER USING RSLOGIX 5000 SOFTWARE: WITH LABS, 4E helps you master ControlLogix software with ease. Using its signature

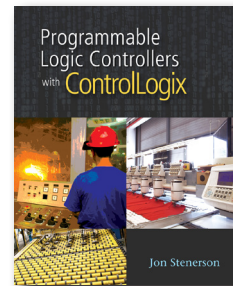
hands-on lab exercises for Programmable Logic Controllers, this versatile guide takes you step-by-step through RSLogix 5000 software from hardware configuration, to programming basic instructions and features, to RSLinx communications. Plus, this edition features manufacturer-specific illustrations and RSLogix screenshots to teach key concepts.

## PROGRAMMABLE LOGIC CONTROLLERS WITH CONTROLLOGIX

Jon Stenerson, Fox Valley Technical College, Appleton, Wisconsin

© 2010, 512pp, Paperback, 9781435419476

### eBook



PROGRAMMING CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLERS strength is its breadth and depth of coverage, taking the reader from an overview of the Programmable Logic Controllers through ladder

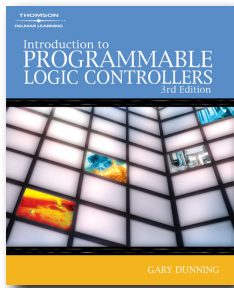
logic, structured text, sequential function chart, and function block programming. To aid in learning, the book features a DVD with Camtasia learning videos and explanations of setup of RSLinx, project development, tag creation, configuration, instructions and much more. Students learn more and more easily because of the breadth of practical coverage, numerous examples and extensive exercises.

## INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS, 3E

Gary Dunning, Hennepin Technical College

© 2006, 640pp, Paperback, 9781401884260

### eBook



To assist readers in understanding key concepts, the art program has been modernized to include improved illustrations, current manufacturer-specific photos, and actual RSLogix software screens to visibly illustrate essential principles

of PLC operation.

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## REFERENCE

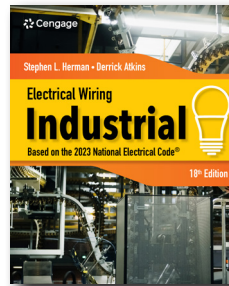
### NEW EDITION

## ELECTRICAL WIRING INDUSTRIAL, 18E

Stephen L. Herman, Lee College (retired); Derrick Atkins, Minneapolis Electrical JATC

© 2024, 416pp, Paperback, 9780357767245

### eBook



With step-by-step guidance and a reader-friendly style, Herman / Atkins' s ELECTRICAL WIRING INDUSTRIAL, 18th Edition, helps you gain the essential knowledge and skills you need to safely install wiring systems in an industrial building. It features vivid,

full-color photographs and illustrations, numerous example problems and detailed solutions that help bring key concepts to life and clearly demonstrate how important ideas apply to real-world situations. The 18th Edition has been thoroughly updated to reflect the 2023 National Electric Code<sup>®</sup>, the industry standard for electrical systems layout and construction. A set of building blueprints is also included to help you connect chapter concepts to a realistic industrial building project.

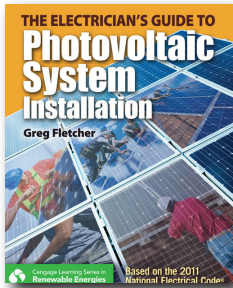
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## THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION

Gregory W. Fletcher, *Kennebec Valley Community College*

© 2014, 352pp, Paperback, 9781111639969

### MindTap eBook



Written with the installing electrician in mind, **THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION** provides you with a simple, straightforward approach to understanding photovoltaic system installation in both residential and light

commercial buildings. Filled with illustrations, examples, and multiple opportunities for practice, this comprehensive book includes the most up-to-date information on photovoltaic installation available on the market today. In addition, coverage of topics such as the National Electrical Code® requirements for a photovoltaic system installation ensures that you will be well prepared for the North American Board of Certified Energy Practitioners' (NABCEP) entry level photovoltaic installer certification exam.

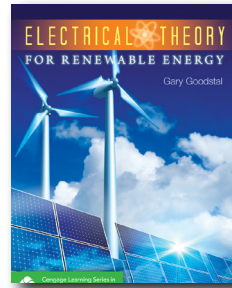
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## ELECTRICAL THEORY FOR RENEWABLE ENERGY

Gary Goodstal

© 2013, 352pp, Paperback, 9781133127550

### eBook



Essential for anyone interested in a career in renewable energy, **ELECTRICAL THEORY FOR RENEWABLE ENERGY** presents a solid foundation of electrical theory and applications for both photovoltaic (PV) power and wind power in

one engaging text. Designed to apply to electricians as well as individuals specializing in PV and wind turbines, each chapter provides a common technical language and knowledge base for all renewable energy practitioners so that all members of the team (i.e., practitioners, designers, installers, and engineers) are able to work together effectively in the field. With multiple examples and opportunities for practice, this text covers the basic electrical theory that is required for you to understand any renewable energy source that generates electricity.

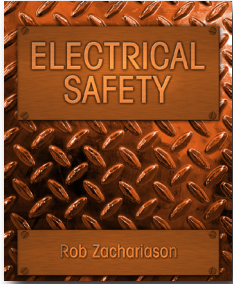
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## ELECTRICAL SAFETY

Rob Zacharison, *Minnesota State Community and Technical College*

© 2012, 288pp, Paperback, 9781435481855



Can your understanding of electrical safety ever be too thorough? **ELECTRICAL SAFETY** utilizes photographs, line art, and easy to follow language to stress the importance of safety when working around electricity. The text is written through the eyes of an

electrical worker to give accurate scenarios of potential hazards such as electric shock and arcing incidents. Details on personal safety, hazardous working conditions and safety organizations such as OSHA and NFPA 70E make this book the perfect choice for beginner electricians.

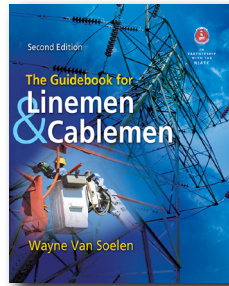
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## THE GUIDEBOOK FOR LINEMEN AND CABLEMEN, 2E

Wayne Van Soelen

© 2012, 816pp, Hardback, 9781111035013

### eBook



The Guidebook for Linemen and Cablemen, 2nd Edition is the much needed solution to a void that has existed for apprentices seeking to become journeymen linemen and anyone training to work on electrical utility circuits. Packaged as a convenient, single-volume

reference guide on the operation of electrical utility systems, this book will give you what other resources won't: practical coverage of the equipment and situations that power line workers are exposed to on a daily basis, with a focus on ensuring concepts are meaningful and applicable. This book also pays special attention to the order in which topics are addressed; simple concepts are explained first, and the book then builds upon these fundamentals to explain more complex theories, thereby setting a strong foundation for clearly understanding key rules and regulations. This text has been updated to include the most current industry information available, including applications of recent technology. This book also contains in-depth exploration of the mechanical aspects of the job, such as working with rigging, trucks, stringing wire, and tree felling. The need for safety and training is highlighted throughout the book, ultimately giving you a powerful guide for learning the necessary skills to construct, operate, and maintain the lines and cables in an electrical utility system. Check out our app, DEWALT® Mobile Pro™. This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit [dewalt.com/mobilepro](http://dewalt.com/mobilepro).

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## WIRING

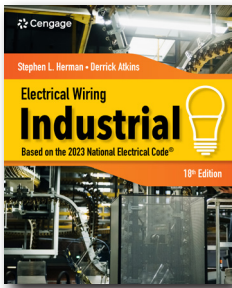
**NEW EDITION**

### ELECTRICAL WIRING INDUSTRIAL, 18E

*Stephen L. Herman, Lee College (retired); Derrick Atkins, Minneapolis Electrical JATC*

© 2024, 416pp, Paperback, 9780357767245

**eBook**



With step-by-step guidance and a reader-friendly style, Herman / Atkins's **ELECTRICAL WIRING INDUSTRIAL, 18th Edition**, helps you gain the essential knowledge and skills you need to safely install wiring systems in an industrial building. It features vivid,

full-color photographs and illustrations, numerous example problems and detailed solutions that help bring key concepts to life and clearly demonstrate how important ideas apply to real-world situations. The 18th Edition has been thoroughly updated to reflect the 2023 National Electric Code®, the industry standard for electrical systems layout and construction. A set of building blueprints is also included to help you connect chapter concepts to a realistic industrial building project.

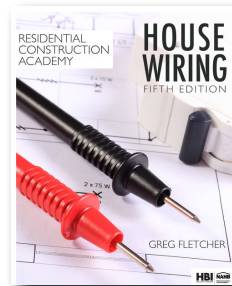
### RESIDENTIAL CONSTRUCTION ACADEMY, 5E

House Wiring

*Gregory W. Fletcher, Kennebec Valley Community College*

© 2019, 896pp, Hardback, 9781337402415

**MindTap eBook**



Gain the knowledge, hands-on skills, and industry insights you need to succeed with this proven guide to the latest and best practices in residential electrical wiring. Completely up to date with the 2017 National Electrical Code® and key Home Builders

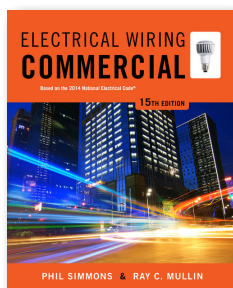
Institute (HBI) National Skill Standards, this vividly illustrated, full-color text will give you a thorough grounding in basic residential wiring concepts. In addition, you'll learn about "green" topics such as sustainable building practices and alternative energy systems, as well as practical applications, real-world scenarios, and safety practices you're likely to encounter on the job. With special features to reinforce learning in every chapter, plus helpful print and digital support materials, **RESIDENTIAL CONSTRUCTION ACADEMY: HOUSE WIRING, Fifth Edition**, is your ideal resource for career success.

## ELECTRICAL WIRING COMMERCIAL, 15E

*Phil Simmons, Simmons Electrical Services; Ray C. Mullin*

© 2015, 624pp, Paperback, 9781285186856

### eBook



Offering the most current coverage available, **ELECTRICAL WIRING COMMERCIAL, 15e** is completely revised and up to date with the 2014 National Electrical Code®. Extremely reader friendly, the text has long been popular with learners.

Vibrant, full-color illustrations and photographs help you easily grasp difficult concepts. The new edition continues the book's emphasis on newer green technologies and developments within electrical design and installation, including coverage of EV stations in commercial settings. It also offers expansive coverage of safety in the workplace.

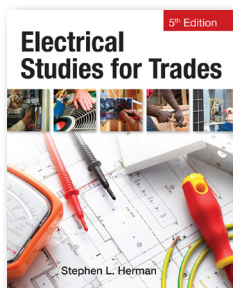
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## ELECTRICAL STUDIES FOR TRADES, 5E

*Stephen L. Herman, Lee College (retired)*

© 2014, 608pp, Paperback, 9781133278238

### eBook



Packed with real-world examples, vivid illustrations, and the latest developments from the field, **ELECTRICAL STUDIES FOR TRADES, 5th EDITION** is ideal for current and future service technicians in air conditioning and refrigeration, construction,

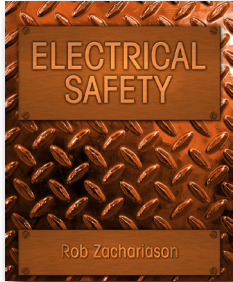
and facilities management--and anyone else who needs a practical knowledge of electricity. Extremely reader-friendly, the book begins with an overview of basic electricity concepts--rather than complex mathematical calculations. From here, you proceed directly to "must-know" information, including how to determine wire sizes and make a variety of common switch connections. Different types of electrical power panels are also examined in detail. Discussion of general wiring practices and circuit protectors, as well as an introduction to transformers and three-phase and single-phase motors, round out the comprehensive coverage.

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## ELECTRICAL SAFETY

Rob Zachariason, *Minnesota State Community and Technical College*

© 2012, 288pp, Paperback, 9781435481855



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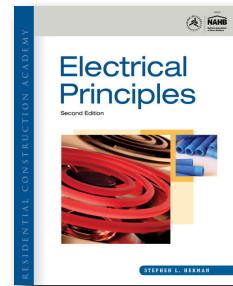
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Electrical Principles

Stephen L. Herman, *Lee College (retired)*

© 2012, 320pp, Hardback, 9781111306472

### eBook



Through the use of a lively writing style and frequent examples, **RESIDENTIAL CONSTRUCTION ACADEMY: ELECTRICAL PRINCIPLES, 2E** covers the important topics that you need to know to become a residential electrician. The author, Stephen L. Herman,

logically presents the basic electrical principles from safety to motors and discusses how to go from theory to application. This text helps you learn the work skills, functions and activities included in the Residential Electrician Skill Standards developed by industry leaders for the National Association of Home Builders (NAHB). With its supplemental multimedia this text provides an integrated teaching solution directly linking your education/training program to the residential construction industry.

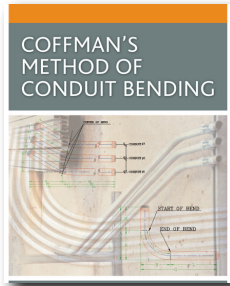
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## COFFMAN'S METHOD OF CONDUIT BENDING

Ronald S. Coffman

© 2009, 192pp, Spiral, 9781435402805

### eBook



For the first time, there is a well-organized, comprehensive reference tool for bending conduit - available in both print and CD formats! A trusted and industry-recognized alternative to the currently published material, Coffman's Method of

Conduit Bending offers electricians and electrical students a proven way to install conduit using all types of benders. This widely accepted method has saved many electricians time, effort, and money. To familiarize readers with this methodology, the book begins with an introduction to conduit bending and the associated theories. Coverage then progresses to include coverage of three- and four-point saddles, 90 degree bends, and segment bending. With a print version that is small enough to be stored in a tool kit, and an interactive CD for self-paced learning, this promises to be a valuable resource, both in the field and in the classroom.

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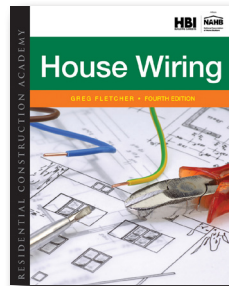
## RESIDENTIAL CONSTRUCTION ACADEMY, 4E

House Wiring

Gregory W. Fletcher, Kennebec Valley Community College

© 2016, 896pp, Hardback, 9781285852225

### MindTap eBook



Completely up to date with the 2014 edition of the National Electrical Code, RESIDENTIAL CONSTRUCTION ACADEMY: HOUSE WIRING, 4e delivers the latest and best practices in residential electrical wiring.

This vividly illustrated, full-color text is based on the HBI National Skill Standards that cover the skill sets necessary to achieve a first job in construction or as an electrician. The text provides thorough coverage of "green" topics, sustainable building practices, alternative energy systems, and much more. "From Experience" sections address common residential wiring practices and scenarios, while "Caution" boxes emphasize the ongoing importance of safety. In addition to a hands-on student workbook/lab manual, the text also points the reader to an all-new 3D immersive simulation performance 'game' to help learners prepare for real-world practice.

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# ELECTRONIC TECHNOLOGY

## APPLIED MATHEMATICS

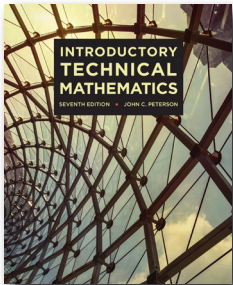
### NEW EDITION

## INTRODUCTORY TECHNICAL MATHEMATICS, 7E

Peterson/Smith

© 2019, 1040pp, Paperback, 9781337397674

### MindTap



With an emphasis on real-world math applications, **INTRODUCTORY TECHNICAL MATHEMATICS**, Seventh Edition, is an essential resource for anyone considering a career in today's sophisticated trade

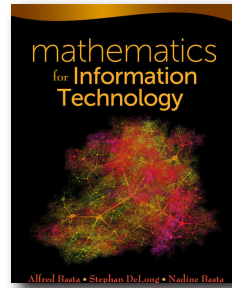
and technical work environments. Practical, straightforward, and easy to understand, this engaging text helps students build a solid understanding of math concepts through step-by-step examples and problems drawn from a variety of occupations. Now updated with more than 1500 new exercises--including Power Up exercises to reinforce key skills over time--the Seventh Edition also features accurate, up-to-date information from the field, including expanded coverage of topics such as estimation usage, working with spreadsheets on tablets, and energy-efficient electrical applications.

## MATHEMATICS FOR INFORMATION TECHNOLOGY

Alfred Basta; Stephan DeLong; Nadine Basta

© 2014, 512pp, Paperback, 9781111127831

### eBook



**MATHEMATICS FOR INFORMATION TECHNOLOGY** delivers easy-to-understand and balanced mathematical instruction. Each chapter begins with an application, goes on to present the material with examples, and closes with a summary of

the relevant concepts and practice exercises. With numerous illustrations included, you'll be able to understand the content from a number of different angles. Whether you're majoring in electronics, computer programming, or information technology, you'll find *Mathematics for Information Technology* to be a valuable resource

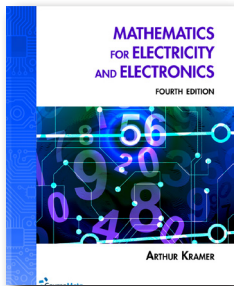


## MATH FOR ELECTRICITY & ELECTRONICS, 4E

*Dr. Arthur Kramer, New York City College of Technology*

© 2012, 640pp, Hardback, 9781111545079

### eBook



With its fresh reader-friendly design, **MATHEMATICS FOR ELECTRICITY AND ELECTRONICS, 4E** is more current, comprehensive, and relevant than ever before. Packed with practical exercises and examples, it equips you with a thorough understanding

of essential algebra and trigonometry for electricity and electronics technology--while helping you improve critical thinking skills. Well-illustrated information sharpens your ability to think quantitatively, predict results, and troubleshoot effectively, while relevant practice problems strengthen your understanding. To ensure mastery of the latest ideas and technology, the text thoroughly explains all mathematical concepts, symbols, and formulas that future technicians and technologists need. In addition, a new homework solution offers a wealth of online resources to maximize your study efforts!

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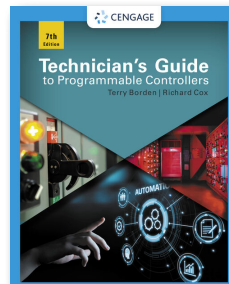
## DIGITAL ELECTRONICS

### NEW EDITION

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*Terry Borden, Spokane Community College in Spokane;  
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## DIGITAL ELECTRONICS

Robert Dueck, Red River College; Ken Reid, Ohio Northern University

© 2012, 608pp, Hardback, 9781439060001

### eBook



DIGITAL ELECTRONICS is your all-in-one guide to the exciting world of digital electronics, from basic electrical theory and digital logic to hands-on, high-tech applications. Designed to support Project Lead the Way®'s (PLTW) innovative Digital Electronics (DE)

course, this dynamic text prepares you for college and career success in STEM, (Science, Technology, Engineering, and Math). The text introduces key concepts such as electrical shop practices and electrical theory, lets you build confidence by exploring key principles and applying what you learn, and helps you develop strong skills in circuit analysis, design, and troubleshooting. A wealth of examples and exercises are included to support your learning, and many feature Multisim™ integration to help you visualize and analyze circuits—including combinational and sequential circuits—before you construct them. Other proven learning tools are provided to make mastering the material easier, including self-check problems in every chapter, “Bring it Home” questions covering the basics, and challenging “Extra Mile” problems to help you deepen your understanding and hone your skills. DIGITAL ELECTRONICS is an ideal choice to support your STEM success!

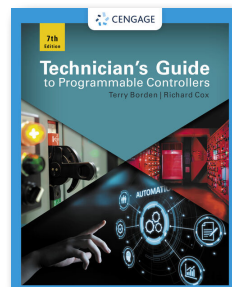
## INDUSTRIAL ELECTRONICS/MANUFACTURING TECHNOLOGY

### NEW EDITION

## TECHNICIAN'S GUIDE TO PROGRAMMABLE CONTROLLERS, 7E

Terry Borden, Spokane Community College in Spokane; Richard A. Cox

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Known for its comprehensive, clear introduction to programmable logic controllers (PLCs), the completely updated TECHNICIAN'S GUIDE TO PROGRAMMABLE CONTROLLERS, Seventh Edition, covers theory,

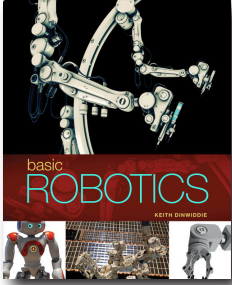
hardware, instructions, programming, installation, startup and troubleshooting in a way that makes even complex material easy to understand and apply. The current edition includes all-new color figures, step-by-step programming information and practical examples using the latest software in the Allen-Bradley ControlLogix family of PLCs. Updated and expanded material covers topics such as array instructions, analog configuration, proportional integral derivative (PID) instructions and tuning and industrial communications, as well as an introduction to sequential function chart, function block and structured text programming. The latest PLC hardware, software and instructions are presented along with practical applications and examples throughout the text. Supplementary programming examples using the PLC instructions in the text give readers a better understanding of the various instructions and how they can be combined to create simple yet effective control logic solutions for today's world.

## BASIC ROBOTICS

Keith Dinwiddie, Ozarks Technical Community College

© 2016, 352pp, Hardback, 9781133950196

### MindTap eBook



With no previous experience required, **BASIC ROBOTICS** walks you step by step through the fundamentals of the industrial robot system. It begins with an exploration of the fascinating technological history that led to the modern robot,

starting with events from Before the Common Era and ending with a glimpse of what the robots of tomorrow might become. From there the text explores safety, various parts of the robot, tooling, power transmission systems, the basics of programming, troubleshooting, maintenance, and much more. Engaging photos highlight various robotic systems and their parts, while stories of real-world events bring text concepts to life. This innovative First Edition incorporates many of the initiatives of STEM and is the culmination of lessons learned from the author's years of teaching robotics in various formats—from the traditional classroom to the industrial production floor with systems ranging from the LEGO Mindstorms NXT to the FANUC robot.

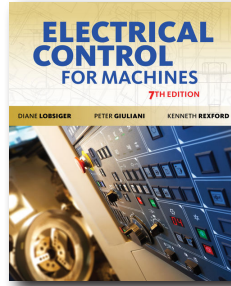
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## ELECTRICAL CONTROL FOR MACHINES, 7E

Diane Lobsiger, Delta College

© 2016, 400pp, Paperback, 9780357671160

### eBook



Reflecting the latest trends and practices from industry, the cutting-edge new **ELECTRICAL CONTROLS FOR MACHINES, 7e** delivers a thorough introduction to the range of technologies found in today's electrical machine controls. Completely up to

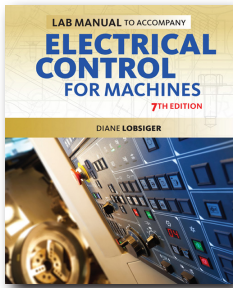
date, circuit diagrams and the descriptions of the circuits illustrate a modern representation of the controls circuits. The text also offers expansive coverage of the power and control circuitry required to operate electrical machinery. While it discusses the trend away from relay control to PLC control, the text maintains solid coverage of relay circuits. Its emphasis on the critical importance of worker and equipment safety in industrial settings includes a detailed explanation of the risk assessment process and a safety relay circuit. In addition, the inclusion of international equipment specifications reflects the dramatic impact of globalization and integration of businesses on the way industries function.

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## LAB MANUAL FOR LOBSIGER'S ELECTRICAL CONTROL FOR MACHINES, 7TH, 7E

*Diane Lobsiger, Delta College*

© 2016, 160pp, Paperback, 9781285169057



The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual.

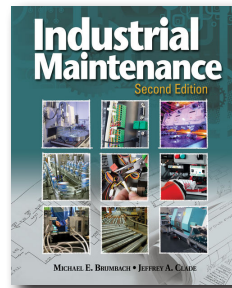
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## INDUSTRIAL MAINTENANCE, 2E

*Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina*

© 2014, 736pp, Paperback, 9780357670644

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

information on safety, tools, industrial print reading, and electrical theory, this comprehensive text includes a detailed exploration of modern machinery and equipment to help you understand, diagnose, troubleshoot, and maintain a wide variety of industrial machines. This text has also been thoroughly updated and revised to reflect recent developments in this dynamic, rapidly evolving field, including current piping and fluid power symbols, rigging and mechanical installations, magnetism, transformers, motors and sensors, and industrial communications. With comprehensive, up-to-date coverage and a reader-friendly, modular presentation, INDUSTRIAL MAINTENANCE is the perfect resource to prepare you for success as an industrial maintenance technician.

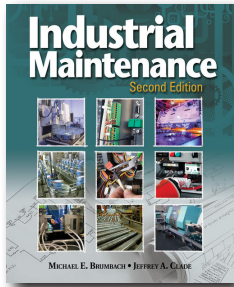
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

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### MindTap eBook



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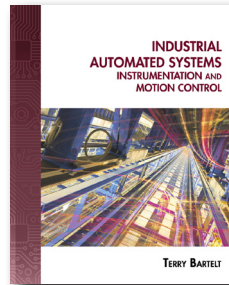
## INDUSTRIAL AUTOMATED SYSTEMS

Instrumentation and Motion Control

Terry L. M. Bartelt, Fox Valley Technical College.

© 2011, 720pp, Hardback, 9781435488885

### eBook



INDUSTRIAL AUTOMATED SYSTEMS: INSTRUMENTATION AND MOTION CONTROL, will provide you with state-of-the-art coverage of the full spectrum of industrial maintenance and control, from servomechanisms to instrumentation. You will

learn about components, circuits, instruments, control techniques, calibration, tuning and programming associated with industrial automated systems. INDUSTRIAL AUTOMATED SYSTEMS: INSTRUMENTATION AND MOTION CONTROL, focuses on operation, rather than mathematical design concepts. It is formatted into sections so that it can be used in a variety of courses, such as electrical motors, sensors, variable speed drives, programmable logic controllers, servomechanisms, and various instrumentation and process classes. This book also offers you a broader coverage of industrial maintenance and automation information than other books and provides you with a more extensive collection of supplements, including a lab manual and two hundred animated multimedia lessons on a CD.

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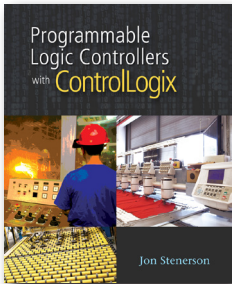


## PROGRAMMABLE LOGIC CONTROLLERS WITH CONTROLLOGIX

Jon Stenerson, Fox Valley Technical College, Appleton, Wisconsin

© 2010, 512pp, Paperback, 9781435419476

### eBook



PROGRAMMING CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLERS strength is its breadth and depth of coverage, taking the reader from an overview of the Programmable Logic

Controllers through ladder logic, structured text, sequential function chart, and function block programming. To aid in learning, the book features a DVD with Camtasia learning videos and explanations of setup of RSLinx, project development, tag creation, configuration, instructions and much more. Students learn more and more easily because of the breadth of practical coverage, numerous examples and extensive exercises.

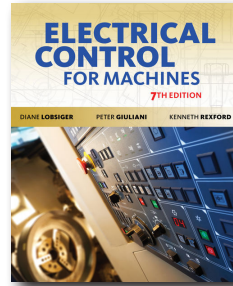
## PROGRAMMABLE LOGIC CONTROLLERS

### ELECTRICAL CONTROL FOR MACHINES, 7E

Diane Lobsiger, Delta College

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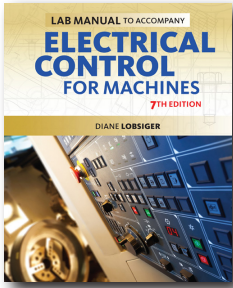
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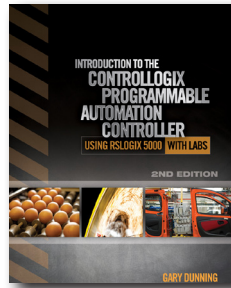
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## INTRODUCTION TO THE CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLER WITH LABS, 2E

*Gary Dunning, Hennepin Technical College*

© 2014, 288pp, Paperback, 9781111539290

### eBook



INTRODUCTION TO THE CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLER USING RSLOGIX 5000 SOFTWARE: WITH LABS, 4E helps you master ControlLogix software with ease. Using its signature

hands-on lab exercises for Programmable Logic Controllers, this versatile guide takes you step-by-step through RSLogix 5000 software from hardware configuration, to programming basic instructions and features, to RSLinx communications. Plus, this edition features manufacturer-specific illustrations and RSLogix screenshots to teach key concepts.

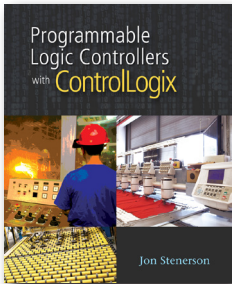
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## PROGRAMMABLE LOGIC CONTROLLERS WITH CONTROLLOGIX

Jon Stenerson, Fox Valley Technical College, Appleton, Wisconsin

© 2010, 512pp, Paperback, 9781435419476

### eBook



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## SIGNAL PROCESSING

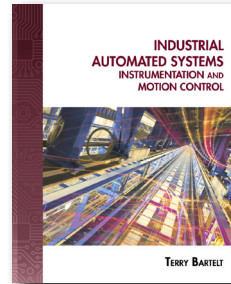
### INDUSTRIAL AUTOMATED SYSTEMS

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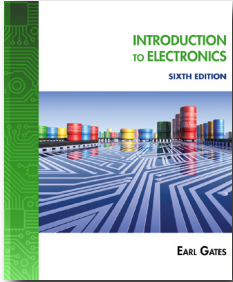
## SURVEY OF ELECTRONICS

### INTRODUCTION TO ELECTRONICS, 6E

Earl Gates, Charlotte Valley Central School, Davenport, New York, Building Principal

© 2012, 544pp, Hardback, 9781111128531

#### eBook



INTRODUCTION TO ELECTRONICS, SIXTH EDITION provides you with a broad overview of both the linear and digital fields of electronics while also providing the basics so you can understand the fundamentals of electronics.

This book will stimulate your

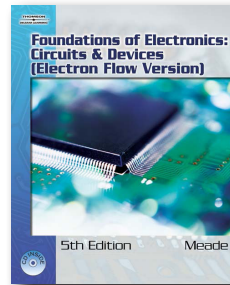
interest in electronics and will provide you with a fundamental background in electronics that you need to succeed in today's increasingly digital world. The sixth edition continues to expose you to the broad field of electronics at a level you can easily understand. Chapters are brief and focused and frequent examples are used to show math and formulas in use. Each chapter builds on the previous chapter to allow you to grow with the knowledge necessary to continue. There are many new problems and review questions and Internet applications that enhance your learning and retention of the material. In addition, new photographs keep you up to date with changes in the field of electronics and a new topic on Programmable Interface Controllers (PICs) is included as well. INTRODUCTION TO ELECTRONICS, SIXTH EDITION is written to allow you to fully comprehend the fundamentals of electronics.

### FOUNDATIONS OF ELECTRONICS, 5E Circuits & Devices, Electron Flow Version

Russell Meade

© 2007, 1072pp, Hardback, 9781418005375

#### eBook



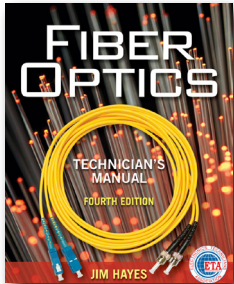
The Fifth Edition has been updated to better provide a foundation in power supplies, amplifiers, oscillators, op-amps, and optoelectronic systems that readers need to launch a career or pursue more advanced study.

## TELECOMMUNICATIONS

### FIBER OPTICS TECHNICIAN'S MANUAL, 4E

*Jim Hayes, The Fiber Optic Association*

© 2011, 288pp, Paperback, 9781435499652



FIBER OPTICS TECHNICIAN'S MANUAL, 4E is a practical guide for designers, installers, and troubleshooters of fiber optic cable plants and networks. It reflects recent changes in fiber optic technology, marketing, and applications, including

wider usage of Fiber To The Home (FTTH) applications and Local Area Networks (LANs). This book begins with a brief history of the development of fiber optics and progresses from the basics of this technology and its components, to installation and testing. FIBER OPTICS TECHNICIAN'S MANUAL, 4E will provide you with a comprehensive overview of all aspects of fiber optics as used in communications systems, including telephone, CATV, and computers.

## EMERGENCY SERVICES

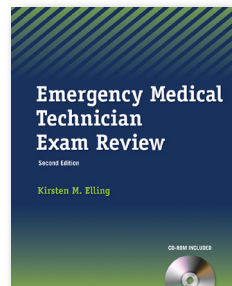
### EMERGENCY MEDICAL SERVICES

### EMERGENCY MEDICAL TECHNICIAN EXAM REVIEW, 2E

*Kirsten M. Elling, Hudson Valley Community College*

© 2013, 320pp, Paperback, 9781133131267

#### eBook



With over 1,500 practice questions, the second edition of Emergency Medical Technician Exam Review is essential for anyone planning a career as an EMT. Designed to prepare you for the state or national certification exam, questions are based on the

EMT level of the National EMS Educational Standards and follow the American Heart Association Guidelines for ECC and CPR. In addition, a CD-ROM included in the back of the book contains two full-length practice exams that are fully updated for the new second edition. Emergency Medical Technician Exam Review features simple to complex questions based on realistic scenarios to ensure that you practice for success!

# ENGINEERING

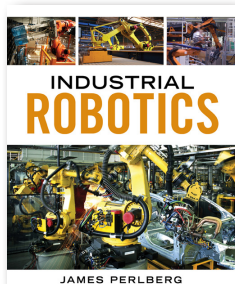
## GENERAL ENGINEERING

### INDUSTRIAL ROBOTICS

Keith Dinwiddie, Ozarks Technical Community College

© 2019, 304pp, Paperback, 9781133610991

MindTap eBook



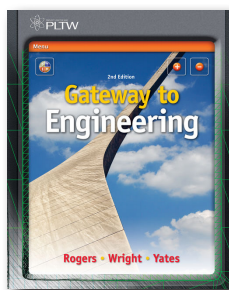
Offering current, comprehensive coverage, **INDUSTRIAL ROBOTICS** delivers a thorough introduction to the industry and a basic understanding of the subjects needed for starting a career in industrial robotics.

### GATEWAY TO ENGINEERING, 2E

George E. Rogers, Purdue University; Michael D. Wright, University of Central Missouri; Ben Yates, Missouri University of Science and Technology

© 2014, 480pp, Hardback, 9781133935643

eBook



**GATEWAY TO ENGINEERING, 2E** helps you build a solid foundation in technological literacy as you study engineering-related careers and educational pathways. With a vibrant four-color design and images to help you visualize concepts, the text

introduces the process of design, the importance of engineering graphics, and applications of electricity and electronics, mechanics, energy, communications, automation/robotics, manufacturing processes, and control systems/computer programming. The Second Edition includes a revised chapter featuring sustainable architecture and enhanced coverage of green technology. It also retains a strong engineering flavor and alignment with national Standards for Technological Literacy, making it the perfect tool for mastering Project Lead the Way's® Gateway to Technology performance objectives.

## INDUSTRIAL ENGINEERING

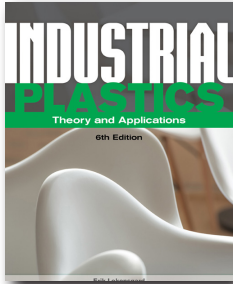
### INDUSTRIAL PLASTICS, 6E

Theory and Applications

*Erik Lokensgard, Eastern Michigan University, Ypsilanti, MI*

© 2017, 544pp, Paperback, 9781285061238

#### eBook



Now in its 6th edition, Industrial Plastics: Theory and Applications is back, with the extensive, detailed graphics and practical lab exercises that made previous editions so popular. In this latest edition, these trademark features accompany

updated coverage of the plastics industry, offering the very latest information on state-of-the-art equipment, with a special emphasis on processing techniques. Coverage includes plastics recycling, ISO and ASTM testing specifications, current health and safety standards, as well as examinations of current environmental issues like recycling, pollution, and incineration. With such broad coverage alongside hands-on activities to provide a clear link between theory and practice, Industrial Plastics continues to be an invaluable resource for students and professionals alike.

## MECHANICAL AND AEROSPACE ENGINEERING

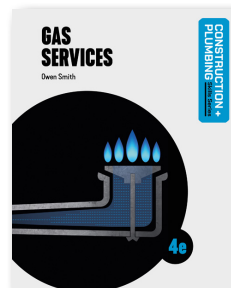
#### NEW EDITION

### GAS SERVICES, 4E

*Owen Smith, TasTAFE*

© 2026, 608pp, Spiral, 9780170475136

#### MindTap eBook



Addressing the latest CPC package for the Certificate III in Plumbing qualification, this text helps students learn more effectively with a variety of study and revision tools including worksheets, learning tasks and photo case studies. 'Employability' boxes outline the responsibilities of employees, including skills they

need to acquire and real-life challenges they may face at work. A variety of example boxes provide worked examples of how to perform practical tasks or complete mathematical calculations. The Plumbing Skills series provides learners with the knowledge, skills and awareness they need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail as they progress.

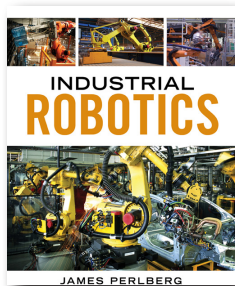


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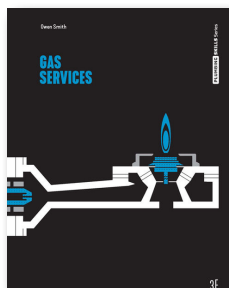
## GAS SERVICES

### GAS SERVICES, 3E

Owen Smith, TasTAFE

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MindTap eBook



This text addresses the requirements for the Certificate III in Plumbing qualification. It includes study and revision tools such as worksheets, learning tasks and photo case studies that help you learn more effectively. 'Employability' boxes outline the

responsibilities of employees, including skills you need to acquire and real-life challenges you may face at work. A variety of example boxes show examples of how to perform practical tasks or complete mathematical calculations. The Cengage Plumbing Skills series provides the knowledge, skills and awareness you need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail. Gas Services, 3e covers the following units of competency: Core Units: CPCPGS3056 Size and install consumer gas piping systems CPCPGS3048 Install gas pressure control equipment CPCPGS3051 Purge consumer piping CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3061 Install and commission Type A gas appliances CPCPGS3049 Install gas appliance flues CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres Elective Units: CPCPGS3046 Install LPG systems in caravans, mobile homes and mobile workplaces CPCPGS3047 Install LPG systems in marine craft CPCPGS3055 Install gas sub-meters CPCPGS3060 Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl CPCPGS3052 Maintain Type A gas appliances Additional gas

fundamental units: 1. Fuel gases 2. Units of measurement and gas industry terms 3. Gas distribution systems 4. Gas constituents and characteristics 5. Gas industry workplace safety 6. Combustion principles 7. LPG basics

## HVAC-R

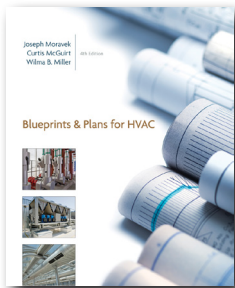
### BLUEPRINT READING

#### BLUEPRINTS AND PLANS FOR HVAC, 4E

*Joseph Moravek, Nance Universal HVACR Technical School, Beaumont, Texas; Curtis McGuirt, Nance International, Beaumont, Texas; Wilma B. Miller, Worcester Polytechnic Institute*

© 2013, 360pp, Paperback, 9781133588146

#### eBook



Packed with vivid illustrations and a complete set of commercial prints, best-selling BLUEPRINTS AND PLANS FOR HVAC, 4th Edition combines in-depth instruction with relevant hands-on applications to equip you with the skills to succeed in the workplace.

Now in an engaging four-color format, this popular text will help you master the basics of blueprint reading and apply these new skills in the HVAC trade. This Fourth Edition has been updated to include the latest codes and technological advancements, while still covering all the critical areas of study, including using the architect's and engineer's scale, creating and using working and construction drawings and freehand sketching and drafting with instruments. In addition, the new CourseMate solution includes extra activities and CAD files to increase the number of real-world exercises. Practical, current and exceedingly accurate, BLUEPRINTS AND PLANS FOR HVAC, 4th Edition will serve you in the classroom and beyond.

## COOLING

### NEW EDITION

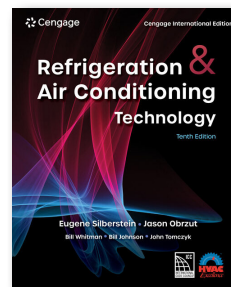
#### REFRIGERATION & AIR CONDITIONING TECHNOLOGY, 10E

Cengage International Edition

*Silberstein/Obrzut/Tomczyk/Whitman/Johnson*

© 2026, 1728pp, Hardback, 9798214129501

#### MindTap



Silberstein/Obrzut/Tomczyk/Whitman/Johnson's REFRIGERATION & AIR CONDITIONING TECHNOLOGY, CENGAGE INTERNATIONAL EDITION 10th Edition, offers hands-on guidance, practical

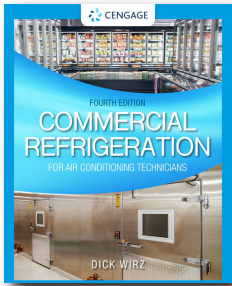
applications and a solid foundation to understand modern HVAC service and repair and environmental challenges. Content aligns to industry standards and emerging technologies, providing skill-building activities to prepare for certifications and exams. Focused on sustainable technology, emphasizing new technologies and green awareness, the text features the latest advances in the HVACR industry, including hundreds of new and revised figures and images. The authors cover soft skills and customer relations issues that professionals need to master to succeed in the industry. Real-world examples, photos and Service Call features bring key concepts to life and help students develop the knowledge and skills to succeed in today's dynamic industry.

## COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, 4E

Dick Wirz

© 2022, 400pp, Hardback, 9780357453704

### MindTap



Reader-friendly and packed with useful tips, photos and charts, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, Fourth Edition**, helps you apply existing HVACR skills to new concepts in order to service medium- and low-

temperature refrigeration equipment such as walk-ins, reach-ins, refrigerated cases and ice machines. The text focuses on the food service industry and includes “how-to” advice from experienced professionals on installing, servicing and troubleshooting commercial equipment. Extensively updated throughout the text, the Fourth Edition includes a simplified, step-by-step flowchart for quickly diagnosing and addressing the nine most common refrigeration problems on the job—as well as new information on the latest advances in commercial refrigeration. Ideal for advanced refrigeration courses, this trusted text is equally valuable as a real-world resource you can take from the classroom to keep on hand in the truck or shop. **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, Fourth Edition**, is an indispensable tool for any technician working with commercial refrigeration today.

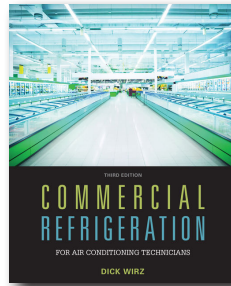
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## COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, 3E

Dick Wirz

© 2018, 432pp, Hardback, 9781305506435

### MindTap eBook



Reader-friendly and packed with useful tips, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, 3rd Edition**, helps you apply existing skills to new concepts in order to service medium- and low-temperature

refrigeration equipment such as walk-ins, reach-ins, refrigerated cases, and ice machines. Readings focus on the food service industry, and include “how-to” advice from seasoned pros on installing, servicing, and troubleshooting commercial equipment. Freshly updated to include the latest industry changes, this new edition adds six full sections of content, as well as 150 helpful illustrations, pictures, and diagrams—including a step-by-step flowchart for quickly diagnosing and addressing the nine most common refrigeration problems you will see on the job. A resource to keep in your truck or the shop, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS, 3rd Edition**, is ideal for any technician working with commercial refrigeration today.

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## PRACTICAL PROBLEMS IN MATHEMATICS FOR HEATING AND COOLING TECHNICIANS, 6E

Russell B. DeVore

© 2013, 320pp, Paperback, 9781111541354

### eBook



Practical Problems for Heating And Cooling Technicians, 6th Edition gives you the essential quantitative skills to get ahead in the HVAC field today! This text condenses critical mathematical theories into short, easily understood sections, and

illustrates every concept with multiple examples and practice problems drawn from tasks technicians perform on the job every day. Loaded with helpful visual features and study aids, Practical Problems for Heating And Cooling Technicians, 6th Edition puts key information at your fingertips with critical formula conversion charts, a glossary of the latest HVAC-specific terms, hands-on exercises, and optional supplemental tools designed to build your skills and confidence.

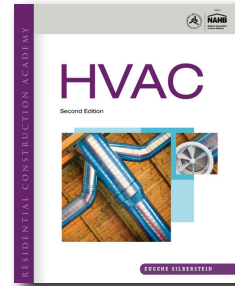
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## RESIDENTIAL CONSTRUCTION ACADEMY HVAC, 2E

Eugene Silberstein, Suffolk County Community College, Brentwood, NY

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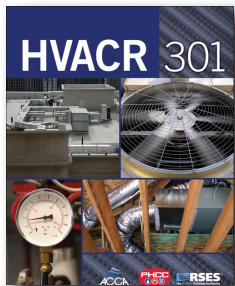
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John Hohman

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## ELECTRICITY & CONTROLS

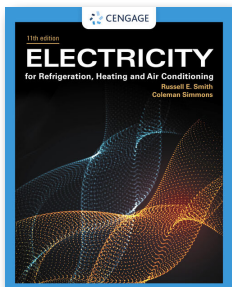
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## ELECTRICITY FOR REFRIGERATION, HEATING, AND AIR CONDITIONING, 11E

Russell E. Smith, Athens Technical College

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Master the electrical principles and practices you need to succeed as a professional installation and service technician with this trusted guide. Accurate and easy-to-understand, **ELECTRICITY FOR REFRIGERATION, HEATING AND AIR**

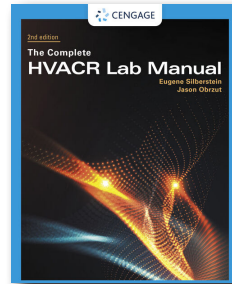
**CONDITIONING**, Eleventh Edition, will give you a strong foundation in essential electrical theory--and help you hone real-world skills and techniques you can apply on the job. Thoroughly updated for today's professionals, the Eleventh Edition includes up-to-date information based on current trends, technology and industry practices--including key diagnosis and troubleshooting methods--making this an ideal resource whether you're new to the field or a current practitioner ready to update your knowledge and skills. Available with this text is The Complete HVAC Lab Manual, which features over 250 lab exercises covering 15 topic areas. See the supplements section for more details.

### NEW EDITION

## THE COMPLETE HVACR LAB MANUAL, 2E

Eugene Silberstein, Suffolk County Community College, Brentwood, NY; Jason Obrzut, Content Developer, The ESCO Institute, Mount Prospect, IL

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The Complete HVAC Lab Manual is a comprehensive resource that covers the essential knowledge and skills required to be an HVAC technician. Featuring over 250 lab exercises, this lab manual is designed to support the hands-on application and practice

needed to confidently approach HVAC/R system issues.

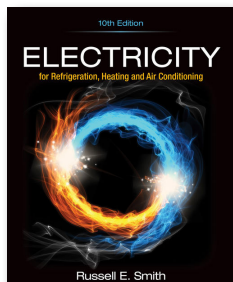


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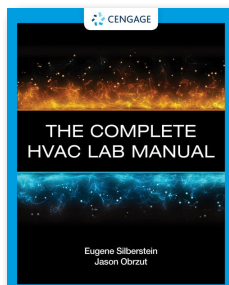
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Featuring over 250 lab exercises, this lab manual is designed to provide practice for all activities performed in the refrigeration, heating, and air conditioning industry, with exercises correlated to the following solutions: Refrigeration and Air Conditioning Technology, 7e, 8e, 9e; Electricity for Refrigeration, Heating and Air Conditioning, 8e, 9e, 10e; Heat Pumps, 2e and RCA: HVAC, 2e.

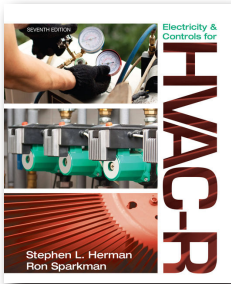
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## ELECTRICITY AND CONTROLS FOR HVAC-R, 7E

Stephen L. Herman, *Lee College (retired); Sparkman*

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**eBook**



Offering the most up-to-date coverage available, **ELECTRICITY AND CONTROLS FOR HVAC-R, 7e** emphasizes the basics as it equips you with the information needed to work effectively with all types of motors and control devices found in the heating and

air-conditioning industry. Extremely student friendly, the text requires no prior knowledge of electricity. It begins with discussions of essential basic electricity and electrical circuits concepts—ensuring thorough understanding before advancing to other topics. In addition, detailed schematic diagrams and step-by-step troubleshooting procedures highlight all of the different types of circuits commonly encountered in the HVAC-R field. The Seventh Edition is packed with vibrant photos, engaging illustrations, and coverage of the latest technology and developments from the field. It also reflects the current National Electrical Code® requirements.

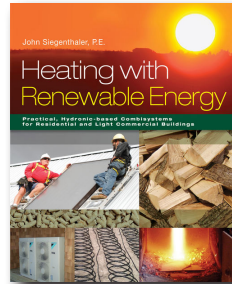
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John Siegenthaler, *Associate Professor Emeritus, Mohawk Valley Community College, Utica, NY*

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Learn how how to merge renewable heat sources (such as solar thermal collectors, hydronic heat pumps, and wood-fired boilers) with the latest hydronics hardware and low temperature distribution systems to assemble efficient, reliable, and

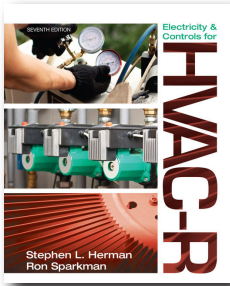
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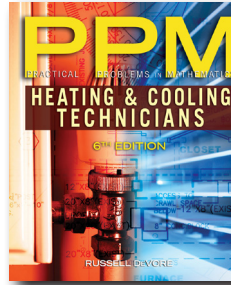
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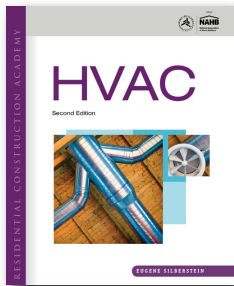
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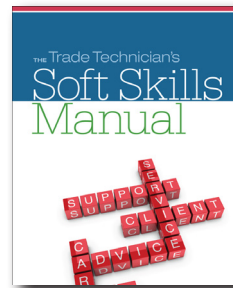
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## THE TRADE TECHNICIAN'S SOFT SKILLS MANUAL

Steve Coscia

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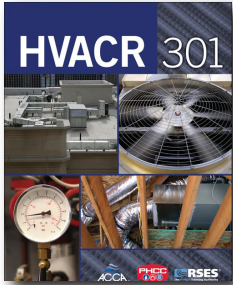
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John Hohman

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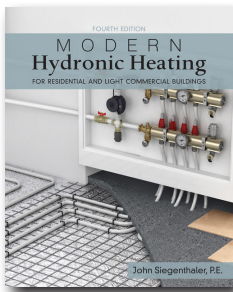
### MODERN HYDRONIC HEATING AND COOLING, 4E

For Residential and Light Commercial Buildings

*John Siegenthaler, Associate Professor Emeritus, Mohawk Valley Community College, Utica, NY*

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From simple applications to multi-load and multi-temperature systems, this **o n e - o f - a - k i n d**, comprehensive text will prepare you to use the latest hydronics to create systems that deliver the ultimate in comfort, reliability and energy efficiency.

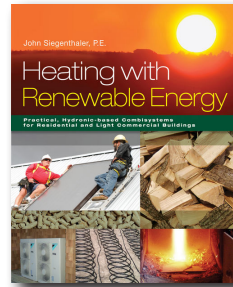
Abundantly illustrated with product and installation photos and hundreds of detailed, full-color schematics, MODERN HYDRONIC HEATING, Fourth Edition, transforms engineering-level design information into practical applications useful for technical students and heating professionals alike. The revised edition features the latest design and installation techniques for residential and light commercial hydronic systems, including use of renewable energy heat sources such as air-to-water and geothermal heat pumps, hydraulic separation, variable speed circulators, distribution efficiency, heat exchangers, buffer tanks, heat metering, hydronic cooling, system balancing and proper system documentation. Equally well-suited for formal education courses, self-study or on-the-job reference, this preeminent resource of the North American heating industry is ideal for anyone involved in the heating trade.

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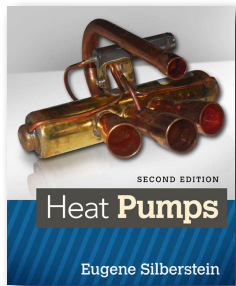


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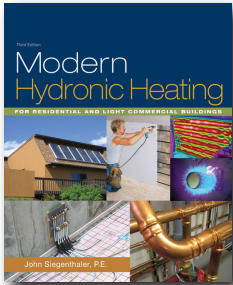
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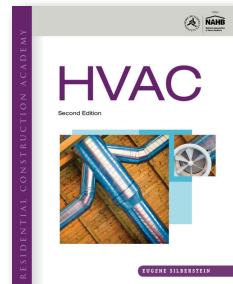
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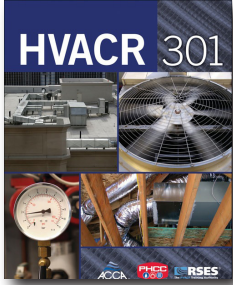
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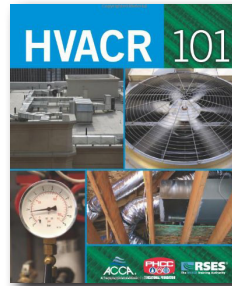
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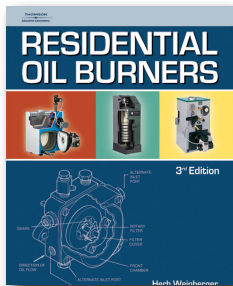
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## RESIDENTIAL OIL BURNERS, 3E

*Herb Weinberger*

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Packed with more need-to-know information than any other book on the market, Residential Oil Burners, 3E provides the knowledge and skills that residential oil burner technicians will need to succeed in the industry. Now in its third edition, the book has been fully updated

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Hoffman/Hopewell's PRECISION MACHINING TECHNOLOGY, Cengage International Edition, 4th Edition, is an essential guide for mastering the machine tool industry, providing readers with skills for today's manufacturing sector. Endorsed by the

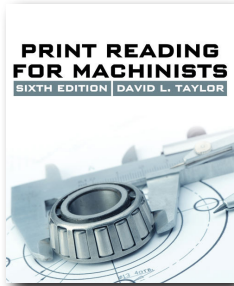
NIMS and aligned with the NIMS Machining Level I Standard, the text covers topics emphasizing safety and progressing from basic to advanced operations. Examples, images and updated content include both Haas and Fanuc formats. The text is designed for students with little or no technical background, using MindTap® for online access to the eBook, study tools and assessments. The Workbook and Shop Manual provide review materials, guided practice and hands-on projects to help master key concepts and achieve NIMS credentials. Instructors benefit from resources, including PowerPoint, images, answer keys and a NIMS correlation grid available through the Instructor Companion Site.

## PRINT READING FOR MACHINISTS, 6E

David L. Taylor

© 2019, 624pp, Paperback, 9781285419619

MindTap eBook



Master the basics of print interpretation! PRINT READING FOR MACHINISTS, Sixth Edition, is an ideal resource for machine trades students and apprentices alike who want to gain the knowledge and skills needed for career success. Now updated to

the latest ANSI standards, this thorough text includes 31 instructional units providing all-inclusive coverage that progresses from fundamental concepts to more advanced topics, including the alphabet of lines, orthographic projection, arrangement of views, application of dimensions and tolerances, machining processes, and more. With review questions to help reinforce learning and drawing exercises for hands-on sketching practice, this trusted text is equally valuable for classroom use or self-paced learning.

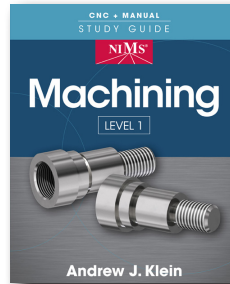
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## NIMS MACHINING LEVEL 1 STUDY GUIDE

Andrew J. Klein, Western Montgomery Career and Technology Center, Limerick, PA

© 2017, 240pp, Paperback, 9781285422770

eBook



This guide has been developed in partnership with NIMS to aid you in achieving high levels of success on the National Institute for Metalworking Skills (NIMS) Level 1 certification exams. After receiving technical training, practicing, and

demonstrating the competencies, this study guide will help you determine your level of readiness for the actual NIMS certification exam. The registration process, performance exams, and requirements for the online theory exams are explained. Test-taking strategies are also included. Practice tests, answer keys, and explanations provide you with insight into the knowledge and skill area being assessed and serve as an extension of the classroom, lab, and on-the-job training previously received. A glossary of terms is also included.

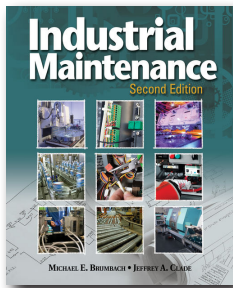
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Hardback, 9781133131199

### MindTap eBook



INDUSTRIAL MAINTENANCE, Second Edition, provides a strong foundation in all five major areas of industrial maintenance, including general, mechanical, electrical, welding, and preventive maintenance. In addition to essential

information on safety, tools, industrial print reading, and electrical theory, this comprehensive text includes a detailed exploration of modern machinery and equipment to help you understand, diagnose, troubleshoot, and maintain a wide variety of industrial machines. This text has also been thoroughly updated and revised to reflect recent developments in this dynamic, rapidly evolving field, including current piping and fluid power symbols, rigging and mechanical installations, magnetism, transformers, motors and sensors, and industrial communications. With comprehensive, up-to-date coverage and a reader-friendly, modular presentation, INDUSTRIAL MAINTENANCE is the perfect resource to prepare you for success as an industrial maintenance technician.

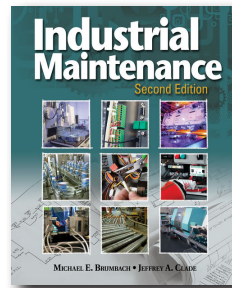
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© 2014, 736pp, Paperback, 9780357670644

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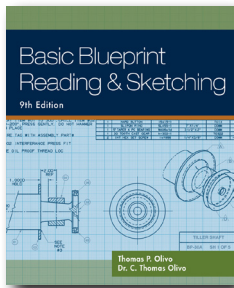


## BASIC BLUEPRINT READING AND SKETCHING, 9E

Thomas P. Olivo; C. Thomas Olivo

© 2010, 320pp, Paperback, 9781435483781

### eBook



For over 50 years, Basic Blueprint Reading and Sketching has been an international best-seller, with close to \$500,000 in sales and THE definitive resource for blueprint reading. The newly revised 9th edition of Basic Blueprint Reading and Sketching

continues the traditions in helping to readers achieve competence in reading and sketching technical drawings. This classic interactive book/workbook will help users develop skills in reading and interpreting industrial drawings and preparing basic to advanced technical sketches. This book will provide them with basic principles, concepts, ANSI and SI Metric drafting symbols and standards, terminology, manufacturing process notes, and other related technical information contained on a mechanical or CAD drawing. Each unit features a basic principle and at least one blueprint and assignment that encourages students to practice newly learned skills. This edition contains coverage of the latest ANSI, ISO, AWS and ASME standards.

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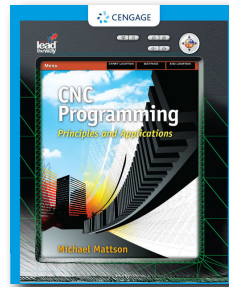
## CNC PROGRAMMING

Principles and Applications

Mike Mattson

© 2010, 432pp, Hardback, 9781418060992

### eBook



A proven guide to computer-aided machining, CNC Programming: Principles and Applications has been revised to give readers the most up-to-date information on G- and M- code programming available today. This edition retains the book's comprehensive

yet concise approach, offering an overview of the entire manufacturing process, from planning through code writing and setup. is the new edition includes expanded coverage of tooling, manufacturing processes, print reading, quality control, and precision measurement. Designed to meet the needs of both beginning machinists and seasoned machinists making the transition to the abstract realm of CNC, this book is a valuable resource that will be referred to again and again.

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## MECHANICAL TECHNOLOGY

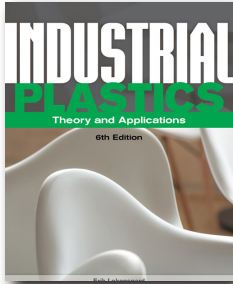
### INDUSTRIAL PLASTICS, 6E

Theory and Applications

*Erik Lokensgard, Eastern Michigan University, Ypsilanti, MI*

© 2017, 544pp, Paperback, 9781285061238

#### eBook



Now in its 6th edition, *Industrial Plastics: Theory and Applications* is back, with the extensive, detailed graphics and practical lab exercises that made previous editions so popular. In this latest edition, these trademark features accompany

updated coverage of the plastics industry, offering the very latest information on state-of-the-art equipment, with a special emphasis on processing techniques. Coverage includes plastics recycling, ISO and ASTM testing specifications, current health and safety standards, as well as examinations of current environmental issues like recycling, pollution, and incineration. With such broad coverage alongside hands-on activities to provide a clear link between theory and practice, *Industrial Plastics* continues to be an invaluable resource for students and professionals alike.

### NIMS MACHINING LEVEL 1 STUDY GUIDE

*Andrew J. Klein, Western Montgomery Career and Technology Center, Limerick, PA*

© 2017, 240pp, Paperback, 9781285422770

#### eBook



This guide has been developed in partnership with NIMS to aid you in achieving high levels of success on the National Institute for Metalworking Skills (NIMS) Level I certification exams. After receiving technical training, practicing, and

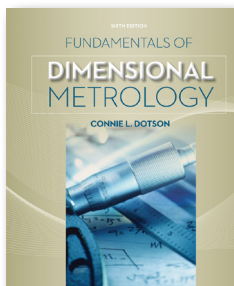
demonstrating the competencies, this study guide will help you determine your level of readiness for the actual NIMS certification exam. The registration process, performance exams, and requirements for the online theory exams are explained. Test-taking strategies are also included. Practice tests, answer keys, and explanations provide you with insight into the knowledge and skill area being assessed and serve as an extension of the classroom, lab, and on-the-job training previously received. A glossary of terms is also included.

## FUNDAMENTALS OF DIMENSIONAL METROLOGY, 6E

Connie L. Dotson

© 2016, 656pp, Paperback, 9781133600893

### eBook



Reflecting the latest changes in standards and technology, market-leading **FUNDAMENTALS OF DIMENSIONAL METROLOGY, 6e** combines hands-on applications with a **authoritative**, comprehensive coverage of the principles, techniques,

and devices used within today's dimensional metrology field. The Sixth Edition has been thoroughly revised and updated in direct response to reviewer feedback. The new edition features an easier to understand presentation, a new lab manual/workbook, updated photos and illustrations and updated references to measurement standards.. The text continues to use both metric and imperial systems but emphasizes metric measurement devices and concepts in all examples for greater consistency with the latest industry trends.

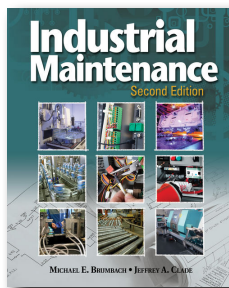
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## INDUSTRIAL MAINTENANCE, 2E

Michael E. Brumbach, York Technical College, Rock Hill, South Carolina; Jeffrey A. Clade, York Technical College, Rock Hill, South Carolina

© 2014, 736pp, Hardback, 9781133131199

### MindTap eBook



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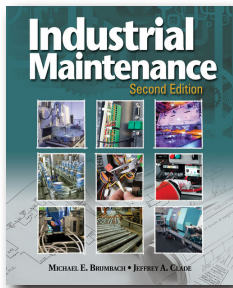
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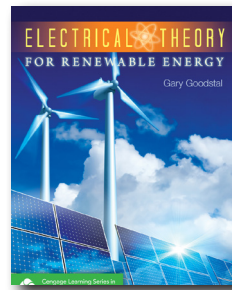
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## ELECTRICAL THEORY FOR RENEWABLE ENERGY

Gary Goodstal

© 2013, 352pp, Paperback, 9781133127550

eBook



Essential for anyone interested in a career in renewable energy, ELECTRICAL THEORY FOR RENEWABLE ENERGY presents a solid foundation of electrical theory and applications for both photovoltaic (PV) power and wind power in

one engaging text. Designed to apply to electricians as well as individuals specializing in PV and wind turbines, each chapter provides a common technical language and knowledge base for all renewable energy practitioners so that all members of the team (i.e., practitioners, designers, installers, and engineers) are able to work together effectively in the field. With multiple examples and opportunities for practice, this text covers the basic electrical theory that is required for you to understand any renewable energy source that generates electricity.

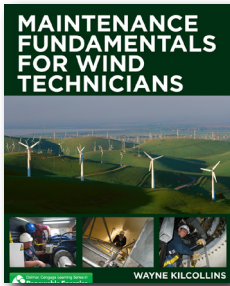
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## MAINTENANCE FUNDAMENTALS FOR WIND TECHNICIANS

Wayne Kilcollins, Northern Maine Community College

© 2013, 464pp, Paperback, 9781111307745

### eBook



Practical and easy to understand, **MAINTENANCE FUNDAMENTALS FOR WIND TECHNICIANS** provides a comprehensive introduction to the field of wind energy that is appropriate for any electrical or mechanical technician.

Through topics such as developing a preventative maintenance program, determining the performance of a wind turbine system, and monitoring improvement through system data analysis, this text teaches you the skills you need to be a successful wind energy technician. Safety-related practices, such as working at heights, tower rescue practices, and offshore projects, are emphasized to ensure that you understand the hazards associated with working in the wind industry. Study tools such as hands-on exercises, applications, troubleshooting tips, and learning objectives keyed to AWEA skills will help you learn everything you need to know to succeed in your class and successfully maintain, service, and troubleshoot turbines on wind farms.

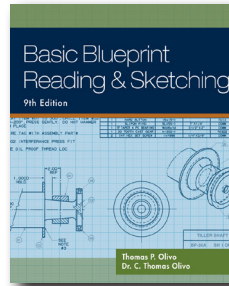
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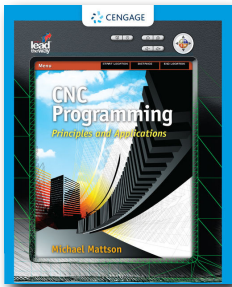
## CNC PROGRAMMING

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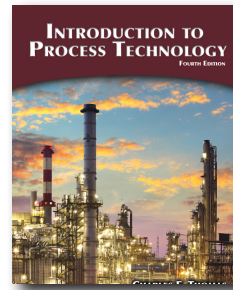
## PROCESS TECHNOLOGY

### INTRODUCTION TO PROCESS TECHNOLOGY, 4E

Charles E. Thomas, Ph.D., Lee College in Baytown, TX,

© 2016, 512pp, Paperback, 9781305251472

### eBook



Suitable for both aspiring process technicians and active process technology professionals, this wide-ranging guide provides a thorough grounding in the history, science, technology, equipment, systems, operations, and troubleshooting principles

associated with modern manufacturing. Following years of widespread use and testing, *INTRODUCTION TO PROCESS TECHNOLOGY, Fourth Edition*, is a proven product featuring a logical sequence of topics—including safety, instrumentation, applied physics and chemistry, and quality control—aligned to the structure of accredited college courses and professional training programs. Technically accurate and up to date, the Fourth Edition remains affordable, reader-friendly, and highly visual, with ample illustrations and photographs to make complex technical concepts easier to understand and apply.

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## PROCESS TECHNOLOGY PLANT OPERATIONS, 2E

Michael Speegle, San Jacinto College

© 2016, 416pp, Paperback, 9781133950158

### eBook



Addressing modern process plant operations in an easy-to-understand format, this comprehensive text reveals the important role technicians play in the function of a business unit. The author thoroughly examines operator responsibilities and

functions, from recognizing opportunities that improve process operations, to detecting and removing threats to steady-state operation. The text also systematically explores business fundamentals and the importance of quality, as well as the chemistry and physics of process operations, maintenance duties, material handling, and process troubleshooting techniques. Now thoroughly expanded and updated, the Second Edition of this trusted text includes new chapters on jobs in process technology, environmental compliance, emergency response, and instrumentation. With numerous new and revised tables and photos, as well as additional learning resources to promote Internet research and critical thinking, the text is an even more useful and effective resource for current and future process plant technicians.

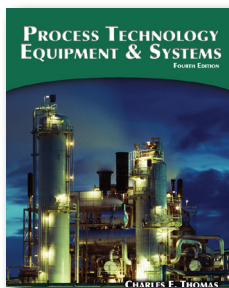
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## PROCESS TECHNOLOGY EQUIPMENT AND SYSTEMS, 4E

Charles E. Thomas, Ph.D., Lee College in Baytown, TX,

© 2015, 528pp, Paperback, 9781285444581

### eBook



Developed by the recognized authority in the field, PROCESS TECHNOLOGY EQUIPMENT AND SYSTEMS, 4e introduces you to the concepts and techniques used in today's most sophisticated manufacturing facilities.

This book delivers technical accuracy along with an engaging writing style, and supports readings with full-color graphics and photos that show how systems and equipment operate in the real world. Chapters explore the workings of valves, vessels, and piping; pumps and compressors; motors and turbines; heat exchangers, cooling towers, boilers, and furnaces; reactors and distillation; extraction and separation systems; process instrumentation; and much more. Upholding the tradition of excellence established by the first two editions, PROCESS TECHNOLOGY EQUIPMENT AND SYSTEMS, 4e can help launch your career as a process technology technician!

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## SAFETY, HEALTH, AND ENVIRONMENTAL CONCEPTS FOR THE PROCESS INDUSTRY, 2E

Michael Speegle, San Jacinto College

© 2013, 384pp, Paperback, 9781133013471

### eBook



Practical and easy to understand, SAFETY, HEALTH, AND ENVIRONMENTAL CONCEPTS FOR THE PROCESS INDUSTRY, Second Edition is an essential text for anyone who aspires to work in process technology.

Through a hands-on approach and direct writing style, the author succinctly covers all of the safety and regulatory issues essential to the industry. In addition, relevant topics such as OSHA regulations and analyzer technology are discussed in detail. Each chapter includes learning objectives, a list of the key terms, a chapter summary, and review questions. This thoroughly revised second edition also includes a chapter specific to OSHA and DOT, upgraded artwork, and relevant articles to enhance your understanding and demonstrate real world relevance.

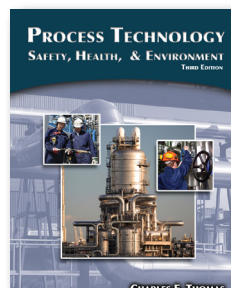
## PROCESS TECHNOLOGY, 3E

Safety, Health, and Environment

Charles E. Thomas, Ph.D., Lee College in Baytown, TX,

© 2012, 320pp, Paperback, 9781111036355

### eBook



A full range of safety, health and environmental issues that relate to the process industry are thoroughly covered in this newly updated text written with the reader in mind. The text is simply written and yet covers all the pertinent topics new to the field of the

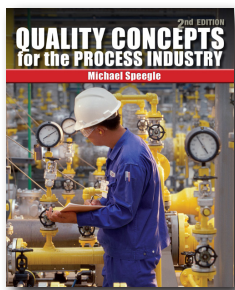
process industry such as responding to the use of weapons of mass destruction, hurricanes, tornados, and other natural disasters. This revised edition provides a basic and well-illustrated overview of the field to acquaint the reader with safe and approved practices. Safety science and theory with process equipment and systems is integrated into the text with a strong relevance to the chemical industry. The text conforms closely to the course requirements as defined by Center for the Advancement of Process Technology making this a useful and an invaluable resource.

## QUALITY CONCEPTS FOR THE PROCESS INDUSTRY, 2E

Michael Speegle, San Jacinto College

© 2010, 288pp, Paperback, 9781435482449

### eBook



Quality Concepts for the Process Industry prepares readers for a career as process plant operators. This book covers the classical concepts of quality control in a style and at a depth that should be acquired by all employees of the process industries.

Each chapter of the text contains chapter objectives, thorough discussions of the concepts presented, a summary, and end-of-chapter review questions. There is a complete glossary of terms and a list of additional references in the back of the book.

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## PROCESS TECHNOLOGY TROUBLESHOOTING

Charles E. Thomas, Ph.D., Lee College in Baytown, TX,

© 2009, 352pp, Paperback, 9781428311008

### eBook

For the first time, process technicians have a resource designed specifically for them that will provide a comprehensive, thorough overview of modern troubleshooting methods and models. Process Technology Troubleshooting utilizes a simple to complex approach that encourages readers to master basic concepts before progressing to more advanced ones for increased comprehension. The book covers troubleshooting models that apply concepts from advanced instrumentation, the control loop, and process equipment and systems, and includes coverage of such processes as a simple pump-around and feed system, compressor system, heat transfer system, cooling tower system, boiler system, furnace system, distillation system, stirred reactor system, and separations system. Each of these systems have operational information, set points, and start-up procedures. These sections include “what-if” scenarios and detailed illustrations. Process Technology Troubleshooting is an invaluable resource and reference for any novice, training manager or experienced process technician.

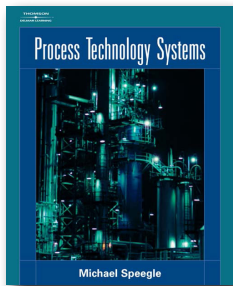
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## PROCESS TECHNOLOGY SYSTEMS

Michael Speegle, San Jacinto College

© 2008, 400pp, Paperback, 9781418039998

### eBook



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.

## PLUMBING

### PLUMBING

#### NEW EDITION

### ROOF PLUMBING, 4E

Owen Smith, TasTAFE

© 2026, 400pp, Spiral, 9780170475129

### MindTap eBook



Roof Plumbing 4e is one of the five titles in the Plumbing Skills Series. This market-leading text provides information that reflect the ever-changing skills required to undertake safe and effective work in plumbing services area. Mapped to the latest CPC

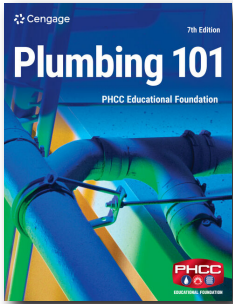
Training Package, the text combines standard industry practice with the newest industry technology, tools, and benchmarks. The Plumbing Skills series provides learners with the knowledge, skills and awareness they need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail as they progress. It develops problem-solving skills, combining safe work practices with professional skills and a thorough understanding of how and why things are done in a certain way. References to AS/NZS 3500:2021, referred to in the Plumbing Code of Australia, prompts familiarity with the codes throughout their training.

## PLUMBING 101, 7E

PHCC/Moore

© 2025, 384pp, Paperback, 9780357026328

### MindTap



PHCC/Moore's PLUMBING 101, 7e, provides straightforward explanations for real-world plumbing scenarios. This is the first title in a series of four plumbing apprentice training books developed in partnership with the Plumbing-Heating-Cooling

Contractors (PHCC) Educational Foundation. The series addresses critical plumbing concepts, introducing topics in the first book and providing more detail in subsequent books. The text mimics common learning experiences of apprentices and professionals who gain more field experience with more in-depth knowledge. The book covers residential and commercial plumbing, focusing on basic plumbing principles and codes. This 7e includes expanded coverage of topics from daily work to career path options.

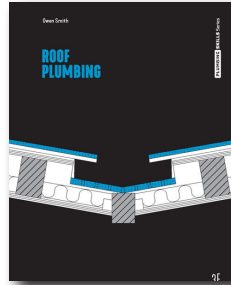
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## ROOF PLUMBING, 3E

Owen Smith, TasTAFE

© 2022, 480pp, Spiral, 9780170439251

### MindTap eBook



This text addresses the roofing stream in Certificate III in Plumbing and has been updated in this edition to meet SA HB39-2015 'Installation Code for Metal Roof and Wall Cladding', AS/NZS 3500.3:2021 'Storm water Drainage' standards and and AS

3959:2018 'Construction of buildings in bushfire prone areas'. The Cengage Plumbing Skills series provides you with the knowledge, skills and awareness you need to be successful in the plumbing industry. The series is structured to build step-by-step knowledge, working from general/foundation subjects towards more specific and technical detail as you progress. It develops problem-solving skills, combining safe work practices with professional skills and a thorough understanding of how and why things are done in a certain way. References to AS/NZS 3500:2021, referred to in the Plumbing Code of Australia, prompts familiarity with the codes throughout your training.

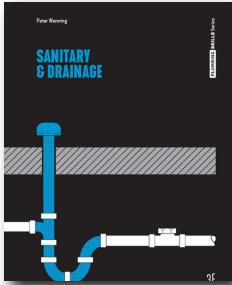
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## SANITARY & DRAINAGE, 3E

Peter Wenning, Chisholm Institute

© 2022, 480pp, Spiral, 9780170424899

### MindTap eBook



Basic Plumbing Services Skills: Sanitary & Drainage, 3e provides you with the knowledge and skills needed to complete tasks in the above ground (sanitary) and below ground (drainage) services. End-of-chapter tasks focus on theory as well as practice,

while WHS references throughout the text explore important issues faced in the industry and the workplace. This edition meets the requirements of the training requirements from the new Certificate III in Plumbing, CPC Training Package.

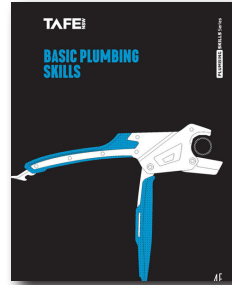
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## BASIC PLUMBING SKILLS, 4E

Dean Carter, TAFE NSW- Miller College

© 2021, 496pp, Spiral, 9780170424691

### MindTap eBook



Basic Plumbing Skills, 4e meets the requirements of the latest national Training Package for the Certificate III in Plumbing and covers how to complete activities safely and effectively in the plumbing services area. You'll get the knowledge, skills and awareness you

need to be successful in the plumbing industry, as well as information on safe work practices. This text covers topics such as: Carry out WHS requirements Provide first aid Workplace communication Use plumbing hand and power tools Welding References to AS/NZS 3500:2020, referred to in the Plumbing Code of Australia, will get you familiar with the codes throughout your training.

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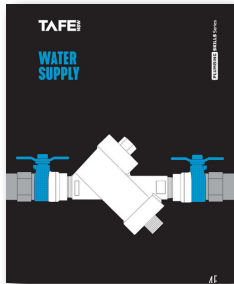


## WATER SUPPLY, 4E

Anthony Pingnam

© 2021, 352pp, Spiral, 9780170424981

### MindTap eBook



Water Supply, 4e builds on the basic skills, knowledge and understanding introduced to you in Basic Plumbing Services Skills, 4e. Fully updated to current industry practices, this edition covers both 'common' and 'water' stream competencies in the

Certificate III in Plumbing, CPC Construction, Plumbing and Services Training Package. This text provides the knowledge and skills you'll need to undertake safe and effective activities in the water supply services area. Water Supply, 4e covers the following units of competency: – Fabricate and install non-ferrous pressure piping: common materials used in the supply of water - CPCPCM3023\* – Install water services: main to meter - CPCPWT3021\* – Set out and install a water service: meter to points of discharge - CPCPWT3021\* – Install water service controls and devices: valves and ancillaries - CPCPWT3026\* – Install and commission water heating systems: hot water - CPCPWT3022\* – Fit off and commission heated and cold water services: fit out - CPCPWT3026\* – Fabricate and install fire hydrant and hose reel systems - CPCPFS3031\* – Install water pump sets - CPCPWT3025\* – Connect and install storage tanks to a domestic water supply - CPCPWT3020\* – Backflow prevention - CPCPWT3027\*

## HEAT PUMPS

Skills2Learn Renewable Energy Workbook

Skills2Learn

© 2014, 192pp, Paperback, 9781408064665



Developed in partnership between Skills2Learn and Cengage Learning, this highly interactive workbook can be used as a resource tool for all introductory renewable energy vocational qualifications and apprenticeships. This unique workbook is

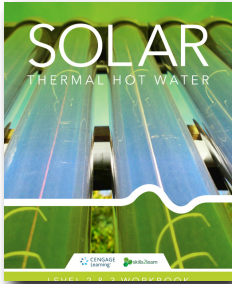
designed to consolidate learners' theoretical knowledge prior to undertaking practical workshop exercises. Heat Pumps provides learners with a thorough insight into renewable energies including the different types of heat and electricity producing technologies, the selection process, incentives and government policies. Part of the Renewable Energy Series, this unique write-in workbook can also be used alongside the Skills2Learn Heat Pumps virtual reality e-learning programme making this a first-of-its-kind, fully integrated blended learning solution.

## SOLAR THERMAL HOT WATER

Skills2Learn Renewable Energy Workbook

*Skills2Learn*

© 2014, 192pp, Paperback, 9781408064689



Developed in partnership between Skills2Learn and Cengage Learning, this highly interactive workbook can be used as a resource tool for all introductory renewable energy vocational qualifications and apprenticeships. This unique workbook is

designed to consolidate learners' theoretical knowledge prior to undertaking practical workshop exercises. Solar Thermal Hot Water provides learners with a thorough insight into solar thermal hot water technology including design principles, health and safety issues, performance calculations and installation, commissioning and handover. Part of the Renewable Energy Series, this unique write-in workbook can also be used alongside the Skills2Learn Solar Thermal Hot Water virtual reality e-learning programme making this a first-of-its-kind, fully integrated blended learning solution.

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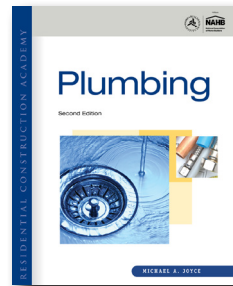
## RESIDENTIAL CONSTRUCTION ACADEMY, 2E

Plumbing

*Michael A. Joyce; Ray Holder*

© 2012, 640pp, Hardback, 9781111307776

**eBook**



RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E is the ideal book to create a direct link between your education/training program and the residential construction industry. The result of a strategic partnership between the

National Association of Home Builders (NAHB) Home Builders Institute and Delmar, Cengage Learning, the Residential Construction Academy Series is the perfect way to learn essential workplace skills for readers new to the building trades. Written in partnership with the Home Builders Institute, and endorsed by NAHB, RESIDENTIAL CONSTRUCTION ACADEMY: PLUMBING, 2E provides a step-by-step approach to residential plumbing installations based on national skill standards. Focusing on "Green" advancement in the plumbing trades, this book thoroughly explains the process of installing residential plumbing systems by exploring topics such as tools of the trade and proper safety measures and by offering various tips to increase readers' on-the-job productivity. Logically organized to build a foundation of knowledge, this book progresses from the installation of common fixtures to troubleshooting techniques that will aid readers. An emphasis on creative layout and the importance of understanding code variations will foster readers' understanding of plumbing system installation that is based on typical situations as well as unique jobsite conditions.

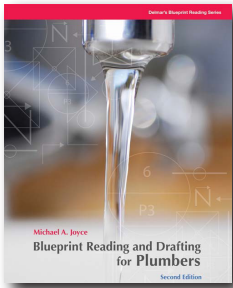
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## BLUEPRINT READING AND DRAFTING FOR PLUMBERS, 2E

Michael A. Joyce

© 2009, 240pp, Paperback, 9781428335134

### eBook



With a one-of-a-kind approach that offers more comprehensive coverage than any other plumbing apprentice book on the market, this valuable resource will thoroughly prepare readers for the transition from the residential plumbing

industry to commercial or industrial projects. Blueprint Reading and Drafting for Plumbers, 2E goes beyond basic lessons on reading and drafting various piping arrangements to provide highly detailed, practical, and relevant information that addresses the real-life demands of commercial and industrial job sites. This updated edition features all-new chapters devoted to coordinating plumbing installations using structural steel and civil blueprints, further enhancing the book's unique and jobsite-focused classroom lessons.

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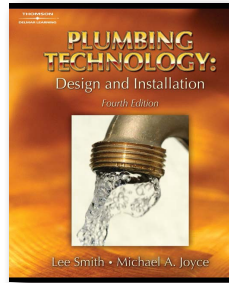
## PLUMBING TECHNOLOGY, 4E

Design and Installation

Lee Smith; Michael A. Joyce

© 2008, 576pp, Hardback, 9781418050917

### eBook



Prepare for a career in the commercial or residential plumbing fields with this popular book, which has been updated to reflect the very latest advancements in the plumbing industry. Plumbing Technology: Design and Installation, 4E has also been restructured

to begin with instruction on the major, introductory concepts, and then progressing to more specific, advanced lessons, allowing readers a complete and thorough understanding of the material. This edition includes coverage of the very latest products, tools, codes, and drain cleaning equipment that have had a remarkable impact on the plumbing industry and how plumbers work successfully. The latest water heater technology, such as Flammable Vapor Ignition Resistant heaters, DWV system segments and sizing, new safety regulations, and all relevant code changes are also addressed.

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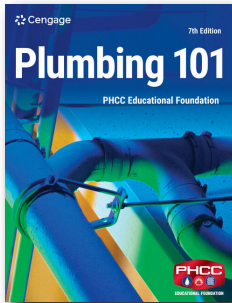
## PROFESSIONAL PLUMBING

### PLUMBING 101, 7E

PHCC/Moore

© 2025, 384pp, Paperback, 9780357026328

### MindTap



PHCC/Moore's **PLUMBING 101, 7e**, provides straightforward explanations for real-world plumbing scenarios. This is the first title in a series of four plumbing apprentice training books developed in partnership with the Plumbing-Heating-Cooling

Contractors (PHCC) Educational Foundation. The series addresses critical plumbing concepts, introducing topics in the first book and providing more detail in subsequent books. The text mimics common learning experiences of apprentices and professionals who gain more field experience with more in-depth knowledge. The book covers residential and commercial plumbing, focusing on basic plumbing principles and codes. This 7e includes expanded coverage of topics from daily work to career path options.

## RENEWABLE ENERGY

### RENEWABLE ENERGY

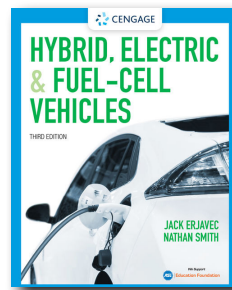
#### NEW EDITION

### HYBRID, ELECTRIC AND FUEL-CELL VEHICLES, 3E

*Jack Erjavec, Columbus State Community College (Emeritus); Nathan Smith; Michael Godson*

© 2023, 320pp, Paperback, 9781305952577

### MindTap eBook



This engaging, reader-friendly text provides a comprehensive introduction to the cutting-edge technology and trends that are revolutionizing today's automotive industry. **HYBRID, ELECTRIC AND FUEL-CELL VEHICLES,**

Third Edition, combines

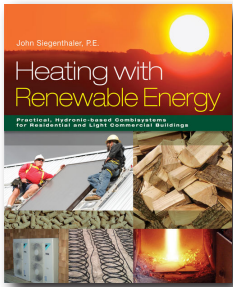
coverage of basic theory and practical applications to help you gain a working understanding of the operation and diagnosis of new and emerging automobiles. Authors Jack Erjavec and Nathan Smith draw on their in-depth industry and classroom expertise to present detailed information in an accessible way, breaking down complex topics into easy-to-digest chapters. The Third Edition of this trusted text includes up-to-date, highly accurate technical information and service procedures for vehicles available today, with lab exercises designed to accommodate diverse learning styles, and a strong emphasis on safe shop practices and hybrid/electric vehicle service safety.

## HEATING WITH RENEWABLE ENERGY

*John Siegenthaler, Associate Professor Emeritus, Mohawk Valley Community College, Utica, NY*

© 2017, 864pp, Hardback, 9781285075600

### eBook



Learn how to merge renewable heat sources (such as solar thermal collectors, hydronic heat pumps, and wood-fired boilers) with the latest hydronics hardware and low temperature distribution systems to assemble efficient, reliable, and

economically sustainable systems. The book is easy to understand and packed with full color illustrations that provide detailed piping and control schematics and “how to” information you’ll use on every renewable energy system. To help you understand how common hardware operates and how to select it, the author starts with basic building blocks, turns mathematical treatments of technical issues into easy-to-use tools, and concludes with complete renewable energy system designs that show the synergy of detail and function possible with state-of-the-art hardware and design methods. Using this one-of-a-kind book, you’ll diversify your expertise over a wide range of heat sources.

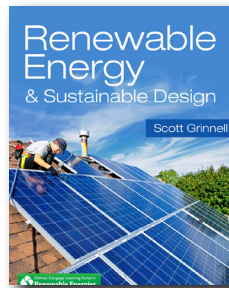
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## RENEWABLE ENERGY & SUSTAINABLE DESIGN

*Scott Grinnell, Northland College*

© 2016, 400pp, Hardback, 9781111542702

### eBook



Featuring current information and a practical approach, **RENEWABLE ENERGY AND SUSTAINABLE DESIGN** combines common forms of renewable energy with green building practices, offering an exciting and engaging introduction to

this field. Focusing on both the theory and practice of producing electrical energy from non-fossil fuel sources, this book evaluates different types of building materials and design options while assessing available forms of renewable energy--including solar, wind, hydro, biomass, tidal and geothermal. By examining the benefits and limitations involved in harnessing each of these renewable energies, this book seeks to provide you with an objective and informed viewpoint, with the ultimate purpose of minimizing harmful impacts on individuals, communities, and the environment.

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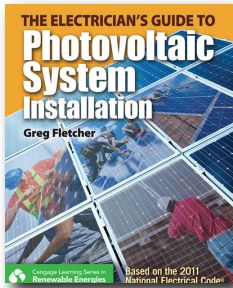


## THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION

Gregory W. Fletcher, *Kennebec Valley Community College*

© 2014, 352pp, Paperback, 9781111639969

### MindTap eBook



Written with the installing electrician in mind, THE GUIDE TO PHOTOVOLTAIC SYSTEM INSTALLATION provides you with a simple, straightforward approach to understanding photovoltaic system installation in both residential and light

commercial buildings. Filled with illustrations, examples, and multiple opportunities for practice, this comprehensive book includes the most up-to-date information on photovoltaic installation available on the market today. In addition, coverage of topics such as the National Electrical Code® requirements for a photovoltaic system installation ensures that you will be well prepared for the North American Board of Certified Energy Practitioners' (NABCEP) entry level photovoltaic installer certification exam.

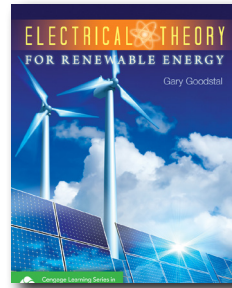
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## ELECTRICAL THEORY FOR RENEWABLE ENERGY

Gary Goodstal

© 2013, 352pp, Paperback, 9781133127550

### eBook



Essential for anyone interested in a career in renewable energy, ELECTRICAL THEORY FOR RENEWABLE ENERGY presents a solid foundation of electrical theory and applications for both photovoltaic (PV) power and wind power in

one engaging text. Designed to apply to electricians as well as individuals specializing in PV and wind turbines, each chapter provides a common technical language and knowledge base for all renewable energy practitioners so that all members of the team (i.e., practitioners, designers, installers, and engineers) are able to work together effectively in the field. With multiple examples and opportunities for practice, this text covers the basic electrical theory that is required for you to understand any renewable energy source that generates electricity.

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## GREEN BUILDING

Principles and Practices in Residential Construction

*Abe Kruger; Carl Seville*

© 2013, 608pp, Hardback, 9781111135959

### eBook



**GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION** provides a current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge

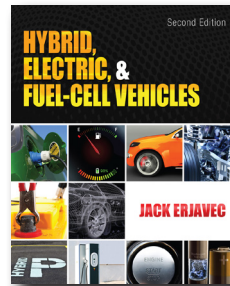
technology and the latest industry trends, this text offers an in-depth introduction to the construction of “green” homes. Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to “think green” from start to finish, empowering and inspiring them to build truly sustainable homes.

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## HYBRID, ELECTRIC, AND FUEL-CELL VEHICLES, 2E

*Jack Erjavec, Columbus State Community College (Emeritus)*

© 2013, 400pp, Paperback, 9780840023957



**HYBRID, ELECTRIC AND FUEL-CELL VEHICLES, Second Edition**, covers the cutting-edge technology and technology that are revolutionizing today’s automotive industry. Author Jack Erjavec combines in-depth industry expertise with an engaging, reader-

friendly style, providing extensive detail on new and upcoming electric vehicles, including hybrids in production today and the fuel cell vehicles of tomorrow. Expansive coverage ranges from basic theory related to vehicle construction, electricity, batteries, and motors, to the political and social impact of these high-profile vehicles. In addition to up-to-date, highly accurate technical information on vehicles available today—including service procedures and safe shop practices—the text provides an informed look into the future with material on vehicles currently under development.

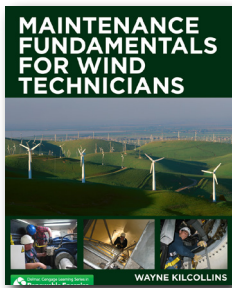
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## MAINTENANCE FUNDAMENTALS FOR WIND TECHNICIANS

Wayne Kilcollins, Northern Maine Community College

© 2013, 464pp, Paperback, 9781111307745

### eBook



Practical and easy to understand, **MAINTENANCE FUNDAMENTALS FOR WIND TECHNICIANS** provides a comprehensive introduction to the field of wind energy that is appropriate for any electrical or mechanical technician.

Through topics such as developing a preventative maintenance program, determining the performance of a wind turbine system, and monitoring improvement through system data analysis, this text teaches you the skills you need to be a successful wind energy technician. Safety-related practices, such as working at heights, tower rescue practices, and offshore projects, are emphasized to ensure that you understand the hazards associated with working in the wind industry. Study tools such as hands-on exercises, applications, troubleshooting tips, and learning objectives keyed to AWEA skills will help you learn everything you need to know to succeed in your class and successfully maintain, service, and troubleshoot turbines on wind farms.

## VETERINARY TECHNOLOGY

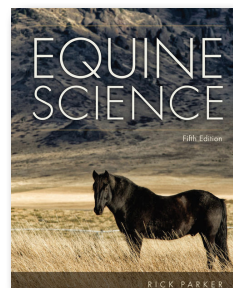
### VETERINARY TECHNOLOGY

#### EQUINE SCIENCE, 5E

R.O. (Rick) Parker, Ph.D, College of Southern Idaho

© 2019, 640pp, Hardback, 9781305949720

### MindTap eBook



This engaging, informative text provides a thorough introduction to equine care and management. **EQUINE SCIENCE**, Fifth Edition, features a full-color layout, numerous photos, and vivid illustrations that help bring chapter material to life, as well as a logical, easy-to-

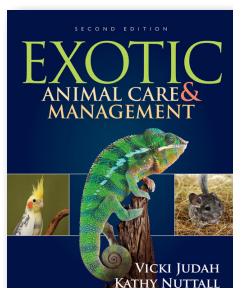
understand sequence of topics. Following an introduction to the equine industry, you'll learn about horses' unique anatomy and needs; how to care for, train, and manage horses; and key business aspects of the industry. This all-new edition also clearly connects text content to National AFNR (Agriculture, Food, and Natural Resources) Standards, key math and science concepts, and current references, helping prepare you for success in the classroom and beyond.

## EXOTIC ANIMAL CARE AND MANAGEMENT, 2E

Vicki Judah; Kathy Nutall, Jordan Applied Technology Center

© 2017, 384pp, Paperback, 9781285425085

### eBook



Focusing exclusively on the care of exotic species as pets, **EXOTIC ANIMAL CARE AND MANAGEMENT, 2ND EDITION** delves into the unique behaviors, diet, housing considerations, handling and restraint methods, medical concerns

and clinical procedures related to the proper management of these animals. Reader-friendly and concise, each chapter covers a specific exotic animal commonly found in veterinary practice, including small mammals, birds, reptiles, amphibians, invertebrates, alpacas and llamas, miniature pigs and backyard chickens. Also included is an overview of specific concerns and zoonotic diseases associated with exotic animals so that you are fully prepared to contribute to their care and treatment.

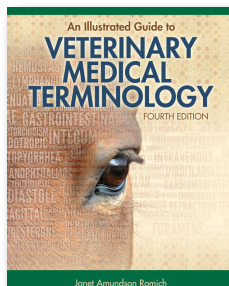
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## AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 4E

Janet Amundson Romich, Madison Area Technical College

© 2015, 560pp, Paperback, 9781133125761

### MindTap eBook



Providing the ultimate terminology reference for veterinary assistants and technicians, **AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 4e** provides an engaging approach to learning medical terms and

understanding basic principles of veterinary medicine. This user-friendly book delivers a unique pedagogical presentation that makes it a comprehensive learning resource. Its systematic approach enables you to understand basic medical concepts and apply critical thinking skills in determining the meaning of new medical terms. Focusing on how medical terms are formed, analyzed, and defined, the book discusses anatomical landmarks, the positioning of animals, and the relationships between body parts. It also introduces terms used in the animal industry. Case studies illustrate how medical terminology is experienced in real-world practice and an audio wordlist enables you to hear the terms you are learning.

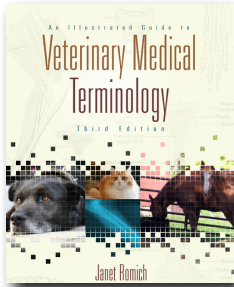
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## AN ILLUSTRATED GUIDE TO VETERINARY MEDICAL TERMINOLOGY, 3E

Janet Amundson Romich, Madison Area Technical College

© 2009, 416pp, Paperback, 9781435420120

### eBook



An Illustrated Guide to Veterinary Medical Terminology, Third Edition provides a visual approach to learning medical terms and understanding the basics of veterinary medicine. A systematic process of breaking down medical terms into their

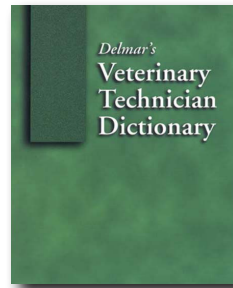
component parts allows readers to comprehend the root medical concepts and apply critical thinking skills when faced with new and unfamiliar medical terminology. Chapters progress from basic terminology related to anatomical positioning to body systems, and then to species-specific terminology. Case studies exemplify how medical terminology would be experienced in an actual veterinary practice.

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## DELMAR'S VETERINARY TECHNICIAN DICTIONARY

Dr. Ray V. Herren, University of Georgia, Athens (Emeritus);  
Janet Amundson Romich, Madison Area Technical College;  
Thomson Delmar Learning

© 2000, 360pp, Paperback, 9780766814219



Delmar's Veterinary Technology Pocket Dictionary is essential for veterinary technology students.

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# WELDING

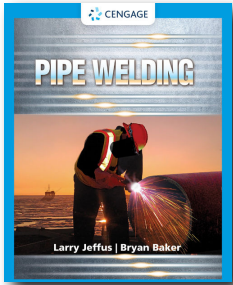
## ARC WELDING

### PIPE WELDING

Larry Jeffus, Eastfield College (Emeritus); Bryan Baker

© 2017, 336pp, Paperback, 9780357671283

### eBook



PIPE WELDING, 1E is a comprehensive guide to pipe welding that will help you take your career potential to the next level. In the surging pipe welding job market, you need to not only know basic welding techniques, such as pipe layout and assembly, you

also need to master welding techniques like SMAW, GMAW, FCAW, and GTAW processes. This textbook is the practical guide that can help you become a safe, effective, and marketable pipe welder.

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## PRINCIPLES/COMPREHENSIVE

### NEW EDITION

### WELDING, 10E

Principles and Applications  
Cengage International Edition

Larry Jeffus, Eastfield College (Emeritus)

© 2026, 1008pp, Hardback, 9798214129440

### MindTap eBook



For over 20 years, educators have relied on seasoned professional Jeffus' WELDING: PRINCIPLES AND APPLICATIONS, Cengage International Edition, 10th Edition. With over five decades of welding experience across various industries, the text provides

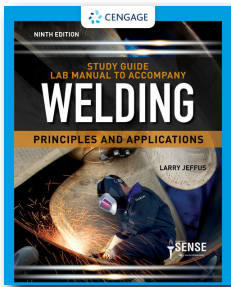
the knowledge needed for American Welding Society's "Schools Excelling through National Skills Education" (AWS SENSE) Level I and II programs, Workmanship Qualification Specimens and professional certification. The author's experience provides practical tips and real-world examples, bridging the gap between theory and practice. The text covers topics such as safety, welding processes, metal fabrication and environmental conservation. Chapters introduce essential material, equipment and safety protocols. MindTap? online resources offer skills simulations and updated welding videos, ensuring students are thoroughly equipped for the demands of the modern welding industry.

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## STUDY GUIDE WITH LAB MANUAL FOR JEFFUS' WELDING: PRINCIPLES AND APPLICATIONS, 9E

Larry Jeffus, *Eastfield College (Emeritus)*

© 2021, Paperback, 9780357377697



The Study Guide helps reinforce your understanding of concepts presented in the text. Each chapter starts with a review of the important topics discussed in the chapter. You can then test your knowledge by answering additional questions and completing

lab exercises (as appropriate) to reinforce the primary objectives of the lesson, and view artwork and safety precautions.

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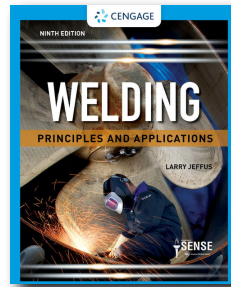
## WELDING, 9E

Principles and Applications

Larry Jeffus, *Eastfield College (Emeritus)*

© 2021, 960pp, Hardback, 9780357377659

MindTap eBook



This proven guide provides the knowledge and skills you need to complete AWS SENSE Level I and Level II programs, create Workmanship Qualification Specimens, and earn professional certification. Advancing rapidly from basic concepts and

processes to today's most complex, cutting-edge welding technologies and practices, this comprehensive text features valuable information on topics such as welding metallurgy, metal fabrication, weld testing and inspection, joint design, job costing, and environmental and conservation tips. The author opens each section by introducing you to the materials, equipment, setup procedures, and critical safety information you need to execute a specific process successfully, while subsequent chapters focus on individual welding tasks leading to SENSE certification. In addition to hundreds of new photos showcasing current welding tools and techniques, the Ninth Edition includes new and updated information on GTAW cup walking, induction welding machine operations, innovations in PAC equipment, and other industry advances you are likely to encounter as you begin your career as a welding professional.

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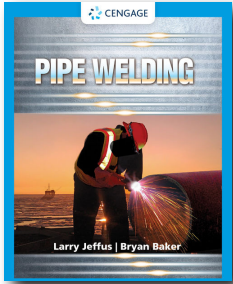


## PIPE WELDING

Larry Jeffus, *Eastfield College (Emeritus); Bryan Baker*

© 2017, 336pp, Paperback, 9780357671283

### eBook



PIPE WELDING, 1E is a comprehensive guide to pipe welding that will help you take your career potential to the next level. In the surging pipe welding job market, you need to not only know basic welding techniques, such as pipe layout and assembly, you

also need to master welding techniques like SMAW, GMAW, FCAW, and GTAW processes. This textbook is the practical guide that can help you become a safe, effective, and marketable pipe welder.

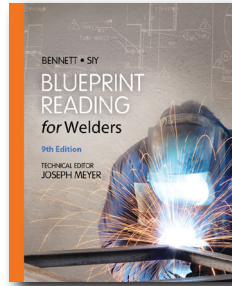
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## BLUEPRINT READING FOR WELDERS, SPIRAL BOUND VERSION, 9E

A.E. Bennett; Louis J. Siy

© 2015, 432pp, Spiral, 9781133605782

### eBook



This hands-on, reader-friendly guide provides comprehensive, up-to-date coverage of welding symbols and their application to welding prints and practices. BLUEPRINT READING FOR WELDERS, Ninth Edition, uses step-by-step instructions and

detailed illustrations to help you gain the knowledge and skills you need to interpret a wide range of working documents, from simple sketches to the most complex blueprints. The text covers auxiliary views, detail views, projections, sections, and detail and assembly drawings. Now updated and expanded, the new Ninth Edition features the latest AWS symbols and terms along with the ISO welding symbols, current specifications and dimensioning practices, relevant industry developments, and cutting-edge information to support your professional success in this dynamic field.

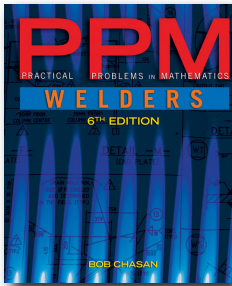
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E

Robert Chasan, Gateway Community College

© 2012, 240pp, Paperback, 9781111313593

MindTap eBook



Discover how this highly effective, practical approach to mathematics can prepare you with the math skills most important for success in today's welding careers. PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E combines an inviting, comprehensive

introduction to math with an emphasis on the latest procedures, practices, and technologies in today's welding industry. You'll see how welders rely on mathematical skills to solve both everyday and more challenging problems, from measuring materials for cutting and assembling to effectively and economically ordering materials. Highly readable, inviting units emphasize both basic procedures and more advanced mathematics formulas welders must regularly use. Clear, uncomplicated explanations, new practice problems, and real-world examples emphasize some of the industry's latest developments. New, more dimensional illustrations throughout this edition help you further visualize concepts with an approach that's ideal for learners at all levels of math proficiency. A new homework solution and dynamic online website help reinforce the math skills most important for success in welding today.

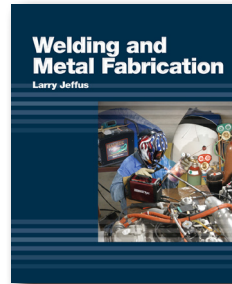
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## WELDING AND METAL FABRICATION

Larry Jeffus, Eastfield College (Emeritus)

© 2012, 800pp, Hardback, 9781418013745

eBook



WELDING AND METAL FABRICATION employs a unique hands-on, project-based learning strategy to teach welding skills effectively and keep you motivated. This groundbreaking new text connects each welding technique to a useful and

creative take-home project, making exercises both practical and personal—and avoiding the tedium of traditional, repetitive welding practices. To further enhance the learning process, every welding project includes a set of prints with specifications, like those used in production fabrication shops. This full-featured approach to skill-building reflects the reality of professional welding, where following prints and instructions precisely and laying out, cutting out, and assembling weldment accurately are just as essential as high-quality welding. The included projects are small to conserve materials during the learning process, but detailed instructions and abundant photos and illustrations guide you through a wide range of fabrication skills. Key steps and techniques within the small projects are also linked to larger projects presented at the end of each chapter, enabling you to apply what you have learned by fabricating and welding something more substantial. This thorough, reader-friendly text also covers relevant academics, such as shop math and measurement, and prepares you for real-world success by having you document your time and materials for each project and prepare a detailed invoice.

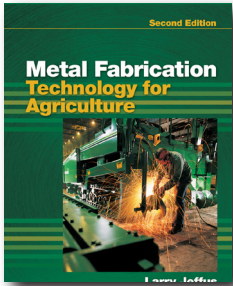
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## METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E

Larry Jeffus, Eastfield College (Emeritus)

© 2011, 580pp, Hardback, 9781435498570

### eBook



METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E provides students with an easy-to-understand, safety-conscious introduction to agricultural welding processes and techniques. Each section of this full-color book begins by

introducing students to equipment and materials used in agricultural welding and includes complete setup instructions. The subsequent chapters in each section allow students to learn individual welding techniques in various applications and positions. METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E provides extensive coverage of brazing and specialized nonmetallic fabrication, designed to lead students step-by-step in developing the skills necessary for welding all types of agricultural machinery. Each chapter includes close up shots of actual welds and learning aids that have been proven to be effective, making this how-to and reference manual a key resource for students participating in agriculture education programs throughout the country.

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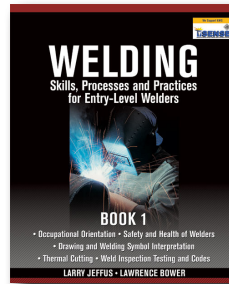
## WELDING SKILLS, PROCESSES AND PRACTICES FOR ENTRY-LEVEL WELDERS

Book 1

Larry Jeffus, Eastfield College (Emeritus); Lawrence Bower, Blackhawk Technical College,

© 2010, 331pp, Paperback, 9781435427884

### eBook



Welding: Skills, Processes, and Practices for Entry-Level Welders is an exciting new series that has been designed specifically to support the American Welding Society's (AWS) SENSE EG2.0 training guidelines. Offered in three volumes, these books are

carefully crafted learning tools consisting of theory-based texts that are accompanied by companion lab manuals, and extensive instructor support materials. With a logical organization that closely follows the modular structure of the AWS guidelines, the series will guide readers through the process of acquiring and practicing welding knowledge and skills. For schools already in the SENSE program, or for those planning to join, Welding: Skills, Processes, and Practices for Entry-Level Welders offers a turnkey solution of high quality teaching and learning aids.

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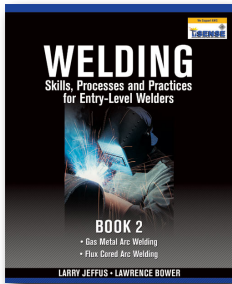
## WELDING SKILLS, PROCESSES AND PRACTICES FOR ENTRY-LEVEL WELDERS

Book 2

Larry Jeffus, *Eastfield College (Emeritus)*; Lawrence Bower, *Blackhawk Technical College,*

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### eBook



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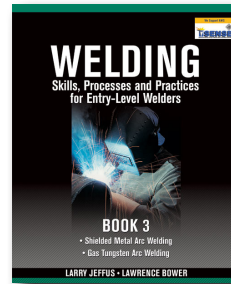
## WELDING SKILLS, PROCESSES AND PRACTICES FOR ENTRY-LEVEL WELDERS

Book 3

Larry Jeffus, *Eastfield College (Emeritus)*; Lawrence Bower, *Blackhawk Technical College,*

© 2010, 224pp, Paperback, 9781435427969

### eBook



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## WELDING

### NEW EDITION

### WELDING, 10E

Principles and Applications  
Cengage International Edition

Larry Jeffus, Eastfield College (Emeritus)

© 2026, 1008pp, Hardback, 9798214129440

### MindTap eBook



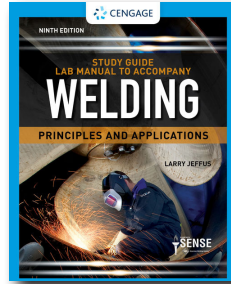
For over 20 years, educators have relied on seasoned professional Jeffus' WELDING: PRINCIPLES AND APPLICATIONS, Cengage International Edition, 10th Edition. With over five decades of welding experience across various industries, the text provides

the knowledge needed for American Welding Society's "Schools Excelling through National Skills Education" (AWS SENSE) Level I and II programs, Workmanship Qualification Specimens and professional certification. The author's experience provides practical tips and real-world examples, bridging the gap between theory and practice. The text covers topics such as safety, welding processes, metal fabrication and environmental conservation. Chapters introduce essential material, equipment and safety protocols. MindTap® online resources offer skills simulations and updated welding videos, ensuring students are thoroughly equipped for the demands of the modern welding industry.

### STUDY GUIDE WITH LAB MANUAL FOR JEFFUS' WELDING: PRINCIPLES AND APPLICATIONS, 9E

Larry Jeffus, Eastfield College (Emeritus)

© 2021, Paperback, 9780357377697



The Study Guide helps reinforce your understanding of concepts presented in the text. Each chapter starts with a review of the important topics discussed in the chapter. You can then test your knowledge by answering additional questions and completing

lab exercises (as appropriate) to reinforce the primary objectives of the lesson, and view artwork and safety precautions.

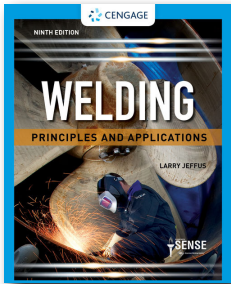
## WELDING, 9E

Principles and Applications

Larry Jeffus, Eastfield College (Emeritus)

© 2021, 960pp, Hardback, 9780357377659

### MindTap eBook



This proven guide provides the knowledge and skills you need to complete AWS SENSE Level I and Level II programs, create Workmanship Qualification Specimens, and earn professional certification. Advancing rapidly from basic concepts and

processes to today's most complex, cutting-edge welding technologies and practices, this comprehensive text features valuable information on topics such as welding metallurgy, metal fabrication, weld testing and inspection, joint design, job costing, and environmental and conservation tips. The author opens each section by introducing you to the materials, equipment, setup procedures, and critical safety information you need to execute a specific process successfully, while subsequent chapters focus on individual welding tasks leading to SENSE certification. In addition to hundreds of new photos showcasing current welding tools and techniques, the Ninth Edition includes new and updated information on GTAW cup walking, induction welding machine operations, innovations in PAC equipment, and other industry advances you are likely to encounter as you begin your career as a welding professional.

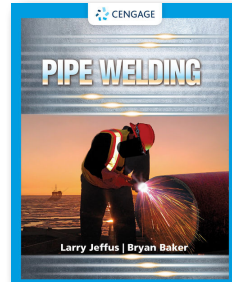
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## PIPE WELDING

Larry Jeffus, Eastfield College (Emeritus); Bryan Baker

© 2017, 336pp, Paperback, 9780357671283

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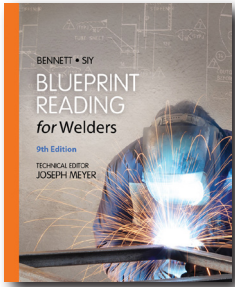


## BLUEPRINT READING FOR WELDERS, SPIRAL BOUND VERSION, 9E

*A.E. Bennett; Louis J. Siy*

© 2015, 432pp, Spiral, 9781133605782

### eBook



This hands-on, reader-friendly guide provides comprehensive, up-to-date coverage of welding symbols and their application to welding prints and practices. BLUEPRINT READING FOR WELDERS, Ninth Edition, uses step-by-step instructions and

detailed illustrations to help you gain the knowledge and skills you need to interpret a wide range of working documents, from simple sketches to the most complex blueprints. The text covers auxiliary views, detail views, projections, sections, and detail and assembly drawings. Now updated and expanded, the new Ninth Edition features the latest AWS symbols and terms along with the ISO welding symbols, current specifications and dimensioning practices, relevant industry developments, and cutting-edge information to support your professional success in this dynamic field.

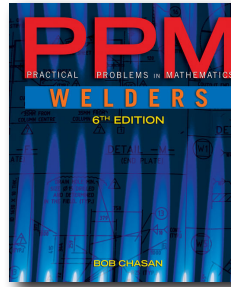
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## PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E

*Robert Chasan, Gateway Community College*

© 2012, 240pp, Paperback, 9781111313593

### MindTap eBook



Discover how this highly effective, practical approach to mathematics can prepare you with the math skills most important for success in today's welding careers. PRACTICAL PROBLEMS IN MATHEMATICS FOR WELDERS, 6E combines an inviting, comprehensive

introduction to math with an emphasis on the latest procedures, practices, and technologies in today's welding industry. You'll see how welders rely on mathematical skills to solve both everyday and more challenging problems, from measuring materials for cutting and assembling to effectively and economically ordering materials. Highly readable, inviting units emphasize both basic procedures and more advanced mathematics formulas welders must regularly use. Clear, uncomplicated explanations, new practice problems, and real-world examples emphasize some of the industry's latest developments. New, more dimensional illustrations throughout this edition help you further visualize concepts with an approach that's ideal for learners at all levels of math proficiency. A new homework solution and dynamic online website help reinforce the math skills most important for success in welding today.

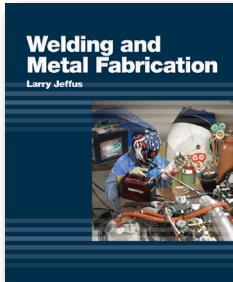
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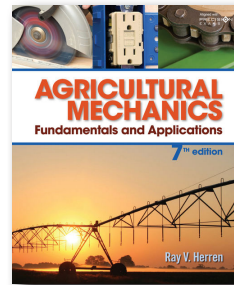
## WELDING FOR AGRICULTURE

### AGRICULTURAL MECHANICS: FUNDAMENTALS AND APPLICATIONS UPDATED, PRECISION EXAMS EDITION, 7E

Ray V. Herren, *University of Georgia, Athens (Emeritus)*

© 2019, 864pp, Hardback, 9781337918701

### MindTap



Beyond providing a thorough introduction to the field of agricultural mechanics, the Precision Exams Edition of this trusted text aligns to Precision Exams' Agricultural Systems Technology, Level 1 exam. The text covers fundamental mechanical

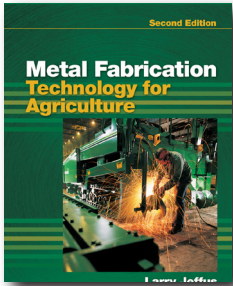
and engineering theory, common tools and materials, and practical applications including shop orientation and procedures, woodworking and metalworking, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures. Safety is also emphasized strongly throughout the text, and a dedicated unit introduces students to diverse career opportunities. The current edition also features new information on the National FFA Organization and SAEs, first aid, and engine powered equipment, as well as new activities and lab exercises.

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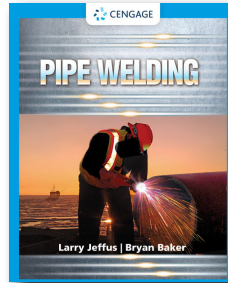
## WELDING SAFETY

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Larry Jeffus, Eastfield College (Emeritus); Bryan Baker

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### eBook



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# Notes

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