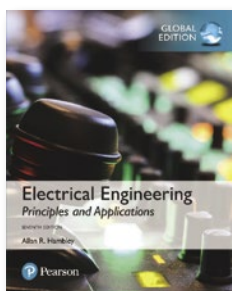


Engineering

Electrical Engineering



Electrical Engineering: Principles and Applications, 7e

Allan R. Hambley

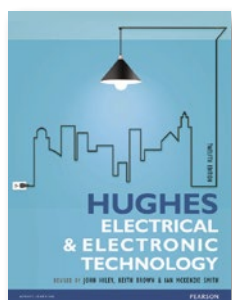
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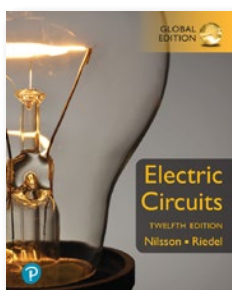
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Electric Circuits, 12e

James Nilsson & Susan Riedel

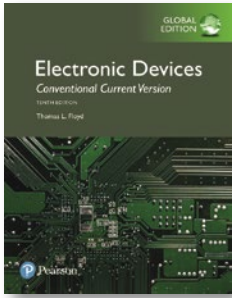
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Electronic Devices (Conventional Current Version), 10e

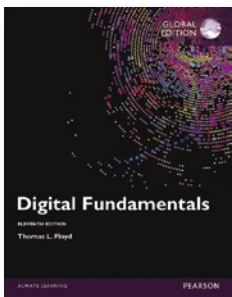
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Course: Circuit Analysis

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Electron Flow version also available



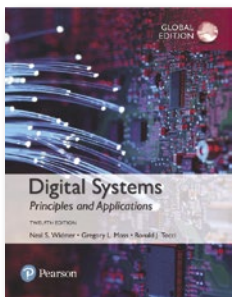
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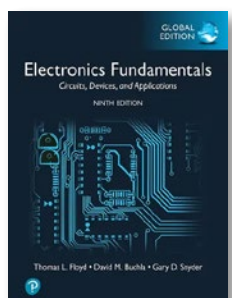
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Ronald Tocci, Neal Widmer
& Greg Moss
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Course: Digital Electronics

Written for all courses in digital electronics – from introductory to advanced, from high school to two and four-year college programs – this Twelfth Edition of *Digital Systems* thoroughly prepares students for the study of digital systems and computer and microcontroller hardware. The text begins with the basics of digital systems, including the AHDL hardware description language, then gradually progresses to increasingly challenging topics, including the more complex VHDL.



Electronics Fundamentals: Circuits, Devices & Applications, 9e

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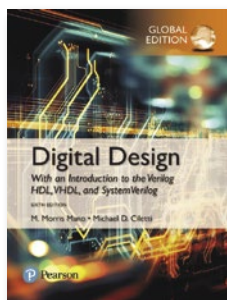
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Course: Introduction to Electronics

Electronics Fundamentals is more than a textbook: it's a hands-on electronics teaching system. The text provides both practical and theoretical coverage of electrical, magnetic and electronics concepts. Practical circuits, examples and troubleshooting exercises will help you develop useful analysis skills for resistive, reactive and device circuits.

Fully revised simulation circuits and tutorials, as well as a laboratory manual, supplement the text. A new tutorial illustrates how to use TI-84 and HP Prime calculators to analyze circuits similar to those in the textbook.



Digital Design, 6e

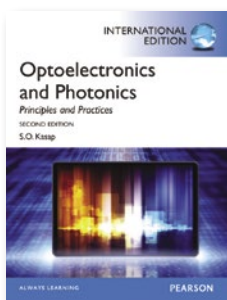
M. Morris Mano & Michael D. Ciletti

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Course: Digital Design

A modern update to a classic, authoritative text, *Digital Design, Sixth Edition* teaches the fundamental concepts of digital design in a clear, accessible manner. It presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications. It supports a multimodal approach to learning, with a focus on digital design, regardless of language. Recognizing that three public-domain languages – Verilog, VHDL and SystemVerilog – all play a role in design flows for today's digital devices, the text now offers parallel tracks of presentation of multiple languages, but allows concentration on a single, chosen language.

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Optoelectronics & Photonics: Principles & Practices, 2e

Safa O. Kasap

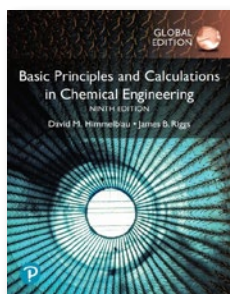
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Chemical Engineering



Basic Principles and Calculations in Chemical Engineering, 9e

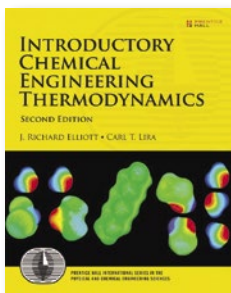
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Updated to reflect today's sweeping changes in chemical engineering curricula, the latest edition of *Basic Principles and Calculations in Chemical Engineering* offers a strong foundation of skills and knowledge – guiding students through formulating and solving material and energy balance problems, as well as describing gases, liquids and vapors. It introduces efficient, consistent, student-friendly methods for solving problems, analyzing data and gaining a conceptual, application-based understanding of modern chemical engineering processes. Now with new coverage and examples related to biotechnology, nanotechnology, green/environmental engineering and process safety, as well as many new MATLAB and Python problems throughout.

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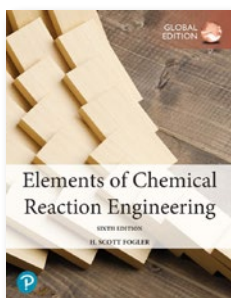
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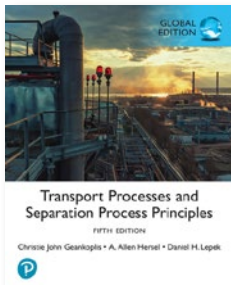
Elements of Chemical Reaction Engineering, 6e

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Course: Chemical Reaction Engineering

Writing for today's students, Fogler provides instant access to information, avoids extraneous details, and presents novel problems linking theory to practice. The book thoroughly prepares undergraduates to apply chemical reaction kinetics and physics to the design of chemical reactors, and four advanced chapters address graduate-level topics. Plus, each chapter now ends with a practical safety lesson.

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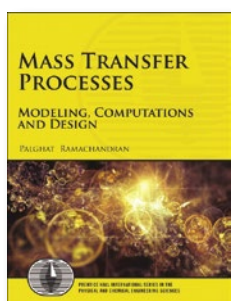
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Mass Transfer Processes: Modeling, Computations and Design

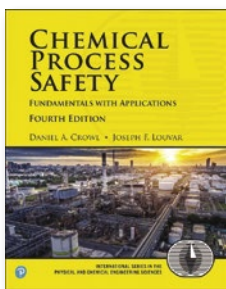
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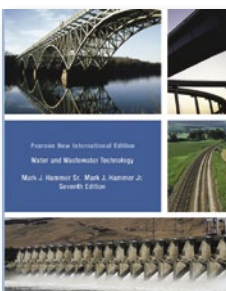
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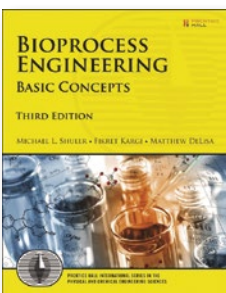
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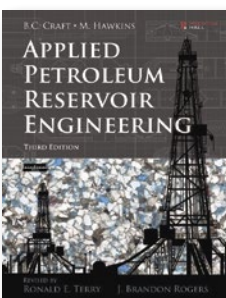
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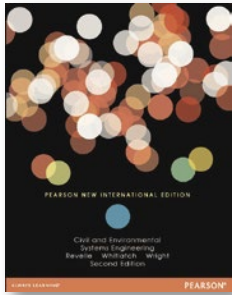
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Introduction to Civil Engineering



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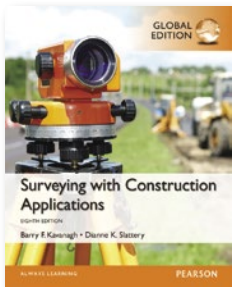
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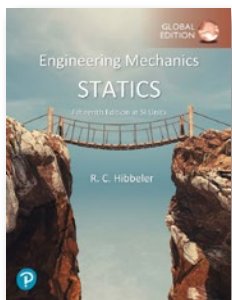
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Mechanics and Materials Engineering



Engineering Mechanics: Statics in SI Units, 15e

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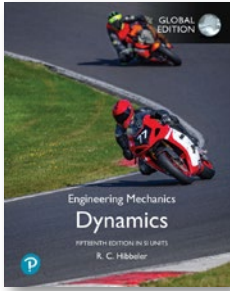
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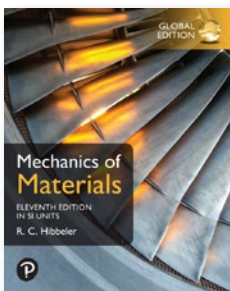
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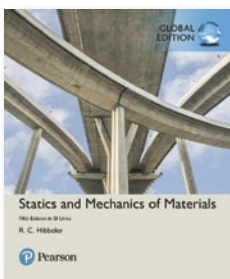
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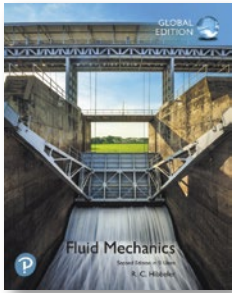
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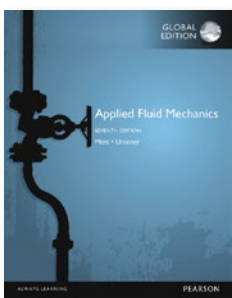
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Applied Fluid Mechanics, 7e

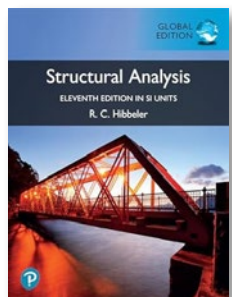
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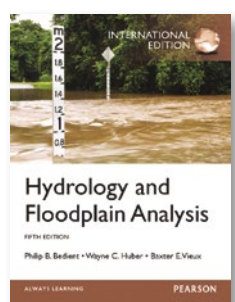
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Environmental Engineering



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Construction Engineering



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Stephens W. Nunnally

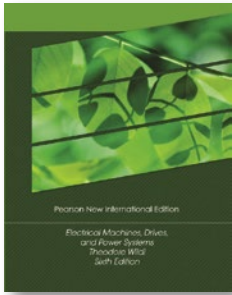
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Electrical Machines, Drives and Power Systems, 6e

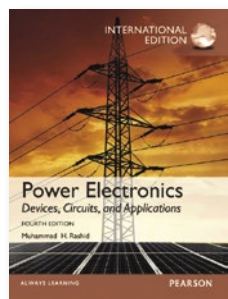
Theodore Wildi

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Course: Electric Machines

This best-selling text employs a theoretical, practical, multidisciplinary approach to provide introductory students with a broad understanding of modern electric power. The scope of the book reflects the rapid changes that have occurred in power technology over the past few years – allowing the entrance of power electronics into every facet of industrial drives and expanding the field to open more career opportunities.

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Power Electronics: Devices, Circuits and Applications, 4e

Muhammad H. Rashid

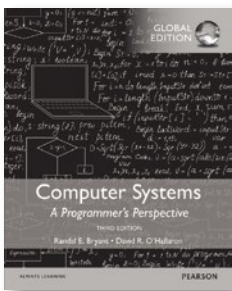
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Course: Power Electronics

This text covers the basics of emerging areas in power electronics and a broad range of topics such as power switching devices, conversion methods, analysis and techniques and applications. Its unique approach covers the characteristics of semiconductor devices first, then discusses the applications of these devices for power conversions. Four main applications are included: flexible ac transmissions (FACTS), static switches, power supplies, dc drives and ac drives.

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Computer Engineering



Computer Systems: A Programmer's Perspective, 3e

Randal E. Bryant & David R. O'Hallaron

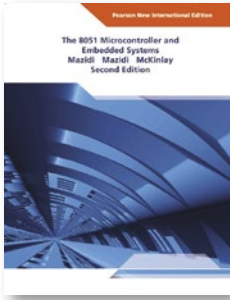
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Course: Computer Architecture

Computer systems: A Programmer's Perspective explains the underlying elements common among all computer systems and how they affect general application performance. Written from the programmer's perspective, this book strives to teach students how understanding basic elements of computer systems and executing real practice can lead them to create better programs. Spanning across computer science themes such as hardware architecture, the operating system and systems software, the Third Edition serves as a comprehensive introduction to programming.

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Mastering Engineering	Pack of print text + Mastering Engineering
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8051 Microcontroller and Embedded Systems, 2e

Muhammad Ali Mazidi, Janice G. Mazidi & Rolin D. McKinlay

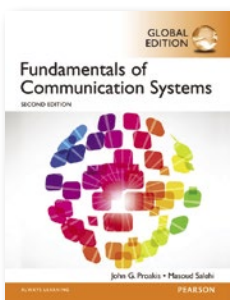
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Course: Embedded Systems

Mazidi's 8051 Microcontroller text emphasizes the programming and interfacing of the 8051. A systematic, step-by-step approach is used to cover various aspects of 8051. C and Assembly language programming and interfacing. Many examples and sample programs are given to clarify the concepts and provide students with an opportunity to learn by doing.

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Networking and Communication



Fundamentals of Communication Systems, 2e

John G. Proakis & Masoud Salehi

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Course: Communication Systems

This text introduces the basic techniques used in modern communication systems and provides fundamental tools and methodologies used in the analysis and design of these systems. The authors emphasize digital communication systems, including new generations of wireless communication systems, satellite communications and data transmission networks. A background in calculus, linear algebra, basic electronic circuits, linear system theory and probability and random variables is assumed.

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Computer Networks, 6e

Andrew S. Tanenbaum & David J. Wetherall

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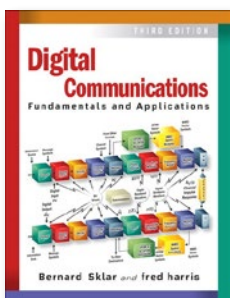
Course: Computer Networks

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The authors explain how networks work from the inside out. They start with the physical layer of networking, computer hardware and transmission systems, then work their way up to network applications.

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Bernard Sklar & Fred Harris

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Course: Digital Communication

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Advanced Electronic Communications Systems, 6e

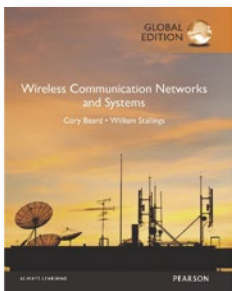
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Wireless Communication Networks and Systems

Cory Beard & William Stallings

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Signals and Systems



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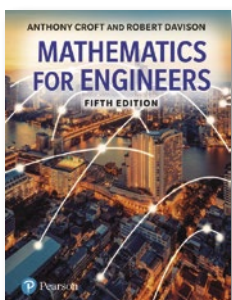
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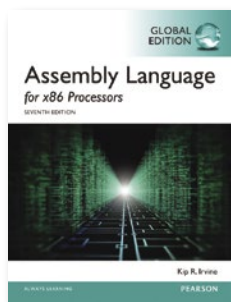
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The 8051 Microcontroller: A Systems Approach

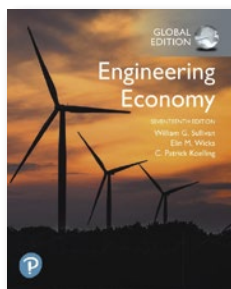
Muhammad A. Mazidi, Rolin D. McKinlay & Janice G. Mazidi
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Course: Microcontrollers

The 8051 Microprocessor: A Systems Approach emphasizes the programming and interfacing of the 8051. Using a systematic, step-by-step approach, the text covers various aspects of 8051, including C and Assembly language programming and interfacing. Throughout each chapter, examples, sample programs and sectional reviews clarify the concepts and offer students an opportunity to learn by doing.

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Engineering Economy and Management



Engineering Economy, 17e

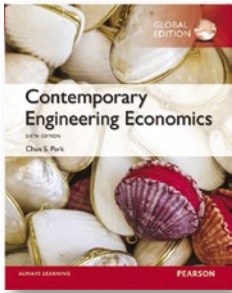
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Used by engineering students worldwide, this bestselling text provides a sound understanding of the principles, basic concepts and methodology of engineering economy. Explanations and examples that are student-centered and practical in real-life situations help students develop proficiency in the methods and processes for making rational decisions. The text is extensively revised and updated to reflect current trends and issues. The new edition captures the spirit of environmental sustainability with more than 160 “green” problems, as well as new end-of-chapter problems and group exercises and includes updates to the new 2017 Federal Tax code revisions.

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Chan S. Park

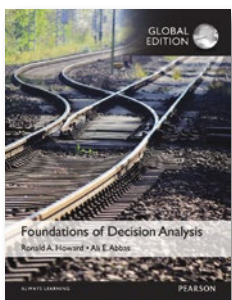
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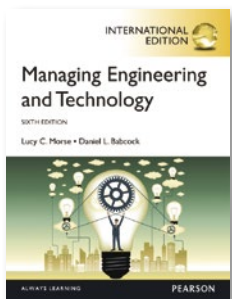
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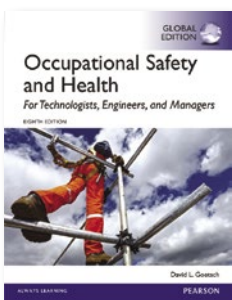
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Optimization in Operations Research

Ronald L. Rardin

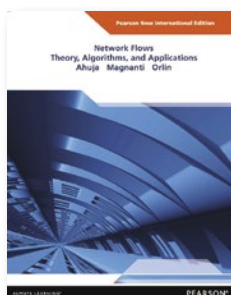
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Thomas L. Magnanti
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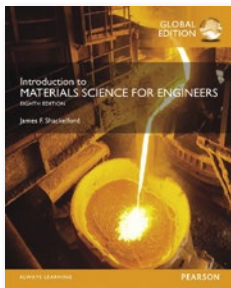
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Materials Engineering



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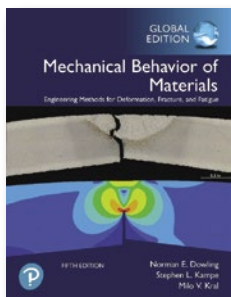
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Mechanical Behavior of Materials, 5e

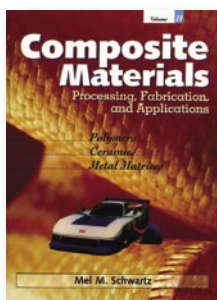
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Mel M. Schwartz

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Engineering Design



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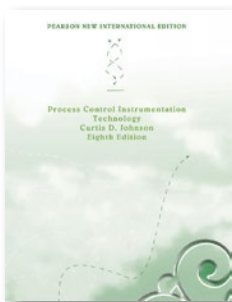
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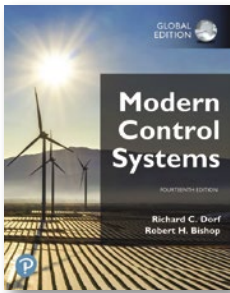
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Control



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Manufacturing Engineering



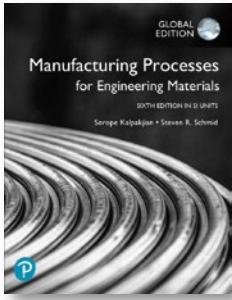
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Course: Manufacturing Processes

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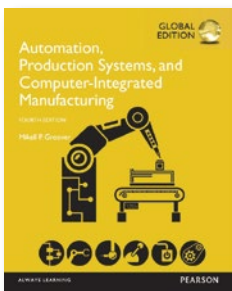
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Serope Kalpakjian & Steven Schmid
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Course: Manufacturing Processes

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Automation, Production Systems and Computer-Integrated Manufacturing, 4e

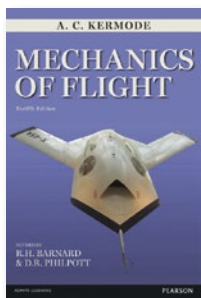
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Aeronautical Engineering



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A.C. Kermode, R.H. Barnard & D.R. Philpott
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Course: Aircraft Design

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