SCIENCES • SOCIAL SCIENCES
HUMANITIES
2020
New and Selected Titles
CONTENTS

Astronomy ................................................................. 3
Biology ................................................................. 4
Chemistry .............................................................. 8
Economics ............................................................. 11
Environmental Science ............................................. 14
Geology and Geography .......................................... 15
Mathematics/Statistics ............................................. 17
Physics ................................................................. 20
Psychology ........................................................... 22
Humanities (College Success, Communication, Composition, History) ........ 31
Index ........................................................................ 39
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c/o Cecilia Ho – Marketing Services Manager/
Campus Product Manager
Email: palgrave@macmillan.com.au

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Discovering the Universe, Eleventh Edition
Neil F. Comins
University of Maine, Orono
©2019 • Paper, 656 pp. • 1-319-05539-7

Combining a student-centered approach with the reliability of a familiar and proven text, Discovering the Universe invites students to follow their curiosity and ask questions about astronomy, through features including “What If?” questions that explore alternative solar systems and universes and “Meet the Discoverer” interviews with working scientists.

Universe, Eleventh Edition
Robert Geller
University of California, Santa Barbara
Roger Freedman
University of California, Santa Barbara
William J. Kaufmann III
University of California, Santa Barbara
©2019 • Paper, 896 pp. • 1-319-03944-8

Universe by Robert M. Geller and Roger Freedman strikes the right balance between scientific rigor and student comprehension and excitement. Available as the full 27-chapter text or split into Stars and Galaxies and The Solar System, Universe provides all the detail you need to prepare students for engaging with the astronomical ideas and theories, while also inviting students in through stunning visuals and relatable narratives.

Also available in split editions:

Universe: Stars & Galaxies, Sixth Edition
(Chapters 1-8, 16-27) • Paper, 638 pp. • 1-319-11509-8

Universe: The Solar System, Sixth Edition
(Chapters 1-16, 27) • Paper, 432 pp. • 1-319-11505-5

Neil Comins’ Discovering the Essential Universe confronts the challenges of the one-term astronomy course by heightening student curiosities about the cosmos, by using the context of astronomy to teach the process of science, and by highlighting common misconceptions and showing students how to think their way past them.
In the new edition of Life: The Science of Biology, you’ll find the book’s signature focus on skill-building, engagement, and active learning taken to a whole new level. With extensive updating, and new pedagogical features, it immerses students in the world of biological experimentation, providing impactful experiences with research and data they’ll need to succeed in class and in their future STEM careers.

New to this Edition

New Co-authors:
- **Dave Hall** leads the book’s coverage of genes, genomes, and heredity
- **Mary Laskowski** leads the book’s coverage of flowering plants

**New! Data in Depth** offers students a more in-depth exploration of the in-text “Work with Data” feature via interactive modules that further enhance scientific literacy skills via a host of interactive enhancements: data visualizations, experimental design, graphing, and mathematical calculations.

**New! Visual Summaries** conclude every chapter, providing students with a visually compelling checklist, emphasizing major chapter concepts through key figures, bullets, and lower-level Bloom’s questions. The Visual Summary ensures students have mastered the major points of the chapter. The content is laid out so as to facilitate referencing back to the original chapter text and figures, and directing students to relevant animations and activities.

Principles of Life cuts through the thicket of excessive detail and factual minutiae to focus on what matters most in the study of biology today. With its first edition, it proved to be well aligned with the recommendations proposed in BIO 2010: Transforming Undergraduate Education for Future Research Biologists and Vision and Change in Undergraduate Biology Education.

Now Principles of Life returns in a thoroughly updated new edition that exemplifies the reform that is remaking the modern biology classroom.

**Biology: How Life Works, Third Edition**
James R. Morris  
Brandeis University  
Daniel L. Hartl  
Harvard University  
Andrew H. Knoll  
Harvard University  
Robert A. Lue  
Harvard University  
Melissa Michael  
University of Illinois, Urbana-Champaign  

plus:  
Andrew Berry, Harvard University; Andrew A Biewener, Harvard University; Brian F. Farrell, Harvard University; N. Michele Holbrook, Harvard University

©2019 • Cloth, 1200 pp. • 1-319-01763-0

How Life Works was written in response to exciting changes in biology education and technology with the goal of helping students to think like biologists. Content was selected carefully, is integrated to illustrate the connections between concepts, and follows six themes that are crucial to biology: the scientific method; molecule and chemistry; cells; evolution; interaction with nature; human impact.
What is the most common reason that DNA analyses overturn incorrect criminal convictions?

What genetically modified foods do most people in the United States consume (usually without knowing it)?

In his popular classes and bestselling textbooks, Jay Phelan uses questions like these as a way of introducing both the practical impact and awe-inspiring wonder of biological research. He is also a master at using the study of biology as a context for developing the critical thinking skills and scientific literacy students can draw on through college and beyond.

Phelan’s dynamic approach to teaching biology is the driving force behind What Is Life? A Guide to Biology—the most successful new non-majors biology textbook of the millennium. This rigorously updated new edition brings forward the features that made the book a classroom favorite (chapters anchored to intriguing questions about life, spectacular original illustrations, innovative learning tools) with a more focused and flexible presentation and enhanced art.

Ecology: The Economy of Nature teaches ecology through an evolutionary perspective, and with an emphasis on the quantitative skills needed to fully understand the field. The 8th edition continues that mission.

This landmark text helped to define introductory ecology courses for over four decades. The text maintains its signature evolutionary perspective and emphasis on the quantitative aspects of the field, but it has been improved for today’s undergraduates—with extensive new pedagogy, including Learning Goals, Concept Checks, fresh examples and fully integrated media resources. Students will especially appreciate the new video tutorials that accompany the Analyzing Ecology essays.

Molecular Biology: Principles and Practice introduces fundamental concepts while exposing students to how science is done. The authors convey the sense of joy and excitement that comes from scientific discovery, highlighting the work of researchers who have shaped—and who continue to shape—the field today.

With Genetics: A Conceptual Approach, Ben Pierce brings a master teacher’s experiences to the introductory genetics textbook, clarifying this complex subject by focusing on the big picture of genetics concepts and how those concepts connect to one another. The new edition continues the Pierce tradition of pedagogical excellence and scientific currency.

New to this Edition

Connecting Problems ask students to integrate what they have learned over several chapters, and to apply what they learned to problem solving.

Concept Mapping Exercises ask students to map out concepts discussed in the chapter, including key terms and describing how they are connected.

End-of-chapter Learning Objectives, one for each A-head (followed by key concepts for that A-head), helps students identify the main learning goals for each chapter.
Genetics Essentials: Concepts and Connections
Fourth Edition
Benjamin A. Pierce
Southwestern University
©2018 • Paper, 592 pp. • 1-319-10722-2

Derived from his popular and acclaimed Genetics: A Conceptual Approach, Ben Pierce’s streamlined text covers basic transmission, molecular, and population genetics in just 18 chapters, helping students uncover major concepts of genetics and make connections among those concepts as a way of gaining a richer understanding of the essentials of genetics.

NEW EDITION
Introduction to Genetic Analysis, Twelfth Edition
Anthony J. F. Griffiths
University of British Columbia
Susan R. Wessler
University of California, Riverside
Sean B. Carroll
University of Wisconsin, Madison; Howard Hughes Medical Institute
John Doebley
University of Wisconsin, Madison
©2020 • Cloth, 896 pp. • 1-319-11478-4
Pub Date: 11/15/2019

With its acclaimed author team, cutting-edge content, emphasis on medical relevance, and coverage based on landmark experiments, Molecular Cell Biology has earned an impeccable reputation with instructors edition after edition.

With its new edition, this standard text continues to be a benchmark for the principles of molecular biology. The authors present a complete treatment of molecular biology and its applications in genetics, biochemistry, immunology, oncology, microbiology, and cell biology. The book covers key topics such as DNA replication, RNA and protein synthesis, DNA repair, gene expression regulation, nuclear structure and function, chromosomes, and more.

Molecular Cell Biology, Eighth Edition
Harvey Lodish
Massachusetts Institute of Technology
Arnold Berk
University of California, Los Angeles
Chris A. Kaiser
Massachusetts Institute of Technology
Monty Krieger
Massachusetts Institute of Technology
Anthony Bretscher
Cornell University
Hidde Ploegh
Massachusetts Institute of Technology
Angelika Amon
Massachusetts Institute of Technology
Kelsey Martin
University of California, Los Angeles
©2016 • Cloth, 1300 pp. • 1-4641-8339-2

Kuby Immunology, Eighth Edition
Jenni Punt
Haverford College
Sharon Stanford
Mount Holyoke College
Patricia Jones
Stanford University
Judy Owen
Haverford College
©2019 • Paper, 944 pp. • 1-4641-8978-1

Janis Kuby’s groundbreaking introduction to immunology was the first textbook for the course actually written to be a textbook. Like no other text, it combines an experimental emphasis with extensive pedagogical features. In the Kuby tradition, the authors present current concepts in the context of key experiments, but do so with the focus on the big picture of the study of immune response, and with unsurpassed pedagogical support for the first-time learner.

NEW
NEW to this Edition
Up-to-date coverage of genetic techniques most notably CRISPR/Cas9.
More coverage of non-traditional model organisms.

New pedagogy in each chapter:

- **Chapter objectives** describe chapter goals and place the topic into context of the surrounding chapters.
- **Part introductions** provides an overview of the themes students will encounter in upcoming chapters.
- **In-chapter study guides** align Learning Objectives with the relevant text, figures and tables, key terms, key concepts, and end-of-chapter questions.
The definitive introductory botany text for majors is known for its comprehensive breadth of coverage, accuracy, currency and magnificent art program. Thoroughly updated, the new edition offers integrated coverage of ecology, discussions of cutting-edge research on such topics as invasive species and medical botany, and essays on important issues (global warming, Google Maps, coral bleaching, and more.)

With riveting stories about evolutionary biologists at work everywhere from the Arctic to tropical rainforests to hospital wards, *Evolution: Making Sense of Life* is a reading adventure designed to grab the imagination of students, showing them exactly why it is that evolution makes such brilliant sense of life.


The Analysis of Biological Data, Third Edition teaches modern methods of statistics through the use of fascinating biological and medical cases. This edition includes new calculation practice problems, which guide the student step by step through the methods, plus a greater number of the examples and topics from medical and human health research. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to qualified instructors.
Guinn's popular one-term textbook uses health and medicine as the framework for learning the fundamentals of chemistry. It focuses on core concepts and necessary math skills, and features a revamped organization to align with traditional course organization and shorter, more condensed chapters.

Biochemistry, Ninth Edition
Jeremy M. Berg
University of Pittsburgh
John L. Tymoczko
Carleton College
Gregory J. Gatto, Jr.
GlaxoSmithKline
Lubert Stryer
Stanford University School of Medicine
©2019 • Cloth, 1120 pp. • 1-319-11467-9

For four decades, this extraordinary textbook has played a pivotal role in the way biochemistry is taught, offering exceptionally clear writing, and innovative graphics, coverage of the latest research techniques and advances, and a signature emphasis on physiological and medical relevance. Those defining features are at the heart of this new edition, which offers a new focus on the themes of visualization and assessment.

Lehninger Principles of Biochemistry, Seventh Edition
David L. Nelson
University of Wisconsin, Madison
Michael M. Cox
University of Wisconsin, Madison
©2017 • Cloth, 1328 pp. • 1-4641-2611-9

Lehninger Principles of Biochemistry is #1 bestseller for the introductory biochemistry course because it brings clarity and coherence to an often unwieldy discipline, offering a thoroughly updated survey of biochemistry's enduring principles, definitive discoveries, and groundbreaking advances with each edition.

This edition maintains the qualities that have distinguished the text since Albert Lehninger's original edition—clear writing, careful explanations of difficult concepts, helpful problem-solving support, and insightful communication of contemporary biochemistry's core ideas, new techniques, and pivotal discoveries. Again, David Nelson and Michael Cox introduce students to an extraordinary amount of exciting new findings without an overwhelming amount of extra discussion or detail.

Biochemistry: A Short Course, Fourth Edition
John L. Tymoczko
Carleton College
Jeremy M. Berg
University of Pittsburgh
Gregory J. Gatto, Jr.
GlaxoSmithKline
Lubert Stryer
Stanford University School of Medicine
©2019 • Paper, 936 pp. • 1-319-11463-6

Derived from the classic text originated by Lubert Stryer, Biochemistry: A Short Course offers that bestseller's signature writing style and physiological emphasis, while focusing on the major topics taught in a one-semester biochemistry course.
Investigating Chemistry, Fourth Edition
Matthew Johll
Illinois Valley Community College
©2019 • Cloth, 482 pp. • 1-319-07946-6

Investigating Chemistry uses forensic science as a framework to teach chemistry. The inherently fascinating topics of crime and criminal investigations serve as context to teach fundamental chemistry concepts. Capitalizing on student interest in this compelling topic, Johll is able to make learning chemistry exciting and accessible. Each chapter is driven by a case study with details from a real crime scenario, providing an investigative approach to learning chemistry concepts.

21st Century Chemistry Second Edition
Kimberley Waldron
Regis University
©2019 • Cloth, 464 pp. • 1-319-10617-X

Waldron’s 21st Century Chemistry promotes scientific literacy and helps students understand chemistry applications in everyday life. Waldron offers an exceptionally clear and fresh writing style and a focus on environmental topics with “Naturebox” and “Green Beat” features. “Recurring Themes” help students remember fundamental, takeaway ideas and concepts so they can apply their knowledge of chemistry as they make choices as consumers, voters and overall informed citizens.

Chemical Principles: The Quest for Insight, Seventh Edition
Peter Atkins
Lincoln College/Oxford University
Loretta Jones
University of Northern Colorado
Leroy Laverman
University of California, Santa Barbara
©2016 • Cloth, 1088 pp. • 1-4641-8395-3

Written for calculus-inclusive general chemistry courses, Chemical Principles helps students develop chemical insight by showing the connections between fundamental chemical ideas and their applications. Unlike other texts, it begins with a detailed picture of the atom then builds toward chemistry’s frontier, continually demonstrating how to solve problems, think about nature and matter, and visualize chemical concepts as working chemists do. It also offers an exceptional level of support to help students develop their mathematical and problem-solving skills.

Environmental Chemistry, Fifth Edition
Colin Baird
University of Western Ontario
Michael Cann
University of Scranton
©2013 • Cloth, 848 pp. • 1-4292-7704-1

Environmental Chemistry presents the most balanced coverage of the environmental chemistry of natural systems on the market, and is the only text available to require no more than general chemistry as a prerequisite. This edition offers expanded coverage of green chemistry, as well as margin notes and activities for individual students or groups.

Organic Chemistry, Sixth Edition
Marc Loudon
Purdue University
Jim Parise
University of Notre Dame
©2016 • Cloth, 1648 pp. • 1-936221-34-9

This text is known for its clear writing, accuracy, and creative problems (over 1800 in this edition—many of them new and taken from the scientific literature). In addition, it includes more health examples drawn from modern medical practice, as well cutting-edge topics from modern synthetic organic chemistry.

Peter Vollhardt
University of California at Berkeley
Neil Schore
University of California at Davis
©2018 • Cloth, 1472 pp. • 1-319-07945-8

This edition maintains the book’s classic framework and approach (that an organic molecule’s structure will determine its function) while strengthening its focus on helping students understand reactions, mechanisms, and synthetic analysis and their practical applications.

Also Available
Neil Schore
University of California at Davis
©2018 • Cloth, 1350 pp. • 1-319-19574-1
This is the most comprehensive presentation of essential organic chemistry lab techniques available. Compatible with any organic chemistry lab manual or set of experiments, it offers specific instructions for miniscale, standard taper microscale, and Williamson microscale glassware, and includes guided-inquiry and design-based experiments and projects, as well traditional labs.

This bestselling text gives students a less rigorous, less mathematical way of learning inorganic chemistry, using the periodic table as a context for exploring chemical properties and uncovering relationships between elements in different groups. The authors help students understand the relevance of the subject to their lives by covering both the historical development and fascinating contemporary applications of inorganic chemistry (especially in regard to industrial processes and environmental issues). The new edition offers new study tools, expanded coverage of biological applications, and new help with problem-solving.

This ideal one-term text teaches students how to understand analytical results and how to use quantitative manipulations, preparing them to solve problems they will encounter in fields from biology to chemistry to geology.
Developed in the classroom by two of the most prominent researchers in the field, Feenstra and Taylor’s *International Economics* uses engaging applications to provide a modern view of the global economy for a modern audience.

Most international economics textbooks emphasize theory and the economies of advanced countries. Feenstra and Taylor combine theoretical coverage with empirical evidence throughout, while reflecting the realities of the global economy by covering emerging markets and developing countries (India, China, Southeast Asia).

Betsey Stevenson and Justin Wolfers present a new synthesis of economic principles for a new generation of students. Their focus on useful economics employs compelling explanations and real-life examples to help students develop economic intuition and apply it to everyday decisions.

**Features**

*Everyday Economics.* The authors invite students to apply their economic toolkit to the sorts of situations they’ll face—from salary negotiations to the division of labor in their home.

*Interpreting the Data.* These brief features show students how to interpret real-world observations through an economic lens. The goal is to help students build muscle memory as they see how to use economic theory to transform data into insight.

*Do the Economics.* Embedded directly into the text narrative, these brief exercises confront students with real-life scenarios and challenge them to “do economics,” by analyzing the underlying logic of each situation, and helping them work through the solutions.

*Built-in Study Guide.* Boldfaced, full-sentence text headings provide a useful preview while rereading enables students to review and check their understanding.

*Tying it Together.* End-of-chapter sections go beyond simple summaries by showing students how to synthesize new information with prior knowledge.

*Chapter-at-a-Glance.* Innovative, visual summaries offer a clear overview of the key topics in each chapter including essential graphs, providing useful guidance for study and review.
Formerly CoreEconomics, this edition is a thoroughly contemporary, fully integrated print/technology resource that adapts to the way you want to teach. As always, this concise book focuses on the topics most often covered in the principles course, but with this edition, it offers a stronger emphasis than ever on helping students apply an economic way of thinking to the overwhelming flow of data we face every day.

**New in this Edition**

**Enhanced Presentation** of Three Integrated Themes—Technology, Data Literacy, and Global Perspective.

Each chapter of *Economics: Principles for a Changing World* now features:

- **An Eric Chiang video** on an important, from-the-headlines topic relevant to the chapter, such as healthcare and the Affordable Care Act

- **By the Numbers infographics**, completely reconceptualized for this edition, both reinforce the importance of data literacy and get students to practice it

**A+ Rated Coverage of Sustainability** updated in Chapter 13, Externalities and Public Goods, and now extended to Chapter 4, Markets and Government

**Wholly Revised Coverage** of the Absolute and Comparative Advantage, Gains from Trade, and Effects of Tariffs and Quotas in Chapter 26, International Trade

Cowen and Tabarrok write about economics every day at one of the most visited blogs on the web, MarginalRevolution.com. That experience is at the heart of their textbook, which uses startling applications to illustrate theory and motivate learning. They show readers that economics is everywhere and the tools of economics illuminate business, politics, world affairs, and everyday life.

Written for the one-semester survey of economics course, *Essentials of Economics* reflects the authors’ strong belief that economics students learn best from a resource that offers compelling, real world stories and an unrivaled global perspective.

Created specifically for the economics course as taught in business schools, *Economic Principles: A Business Perspective* covers the fundamentals of economics in the context of today’s globalized business world.
Krugman’s Economics for AP®, Third Edition

Krugman’s Macroeconomics for AP®, Third Edition

Margaret Ray
University of Mary Washington
David A. Anderson
Centre College

Economics:
©2019 • Cloth, 944 pp. • 1-319-11327-3
Macroeconomics:
©2019 • Cloth, 560 pp. • 1-319-11328-1

Krugman’s Economics for the AP® Course, Third Edition was created to help students solve the economics puzzle. Assembled by AP® experts and divided into short modules, the organization, language, and emphasis perfectly mirrors College Board’s curriculum framework. This dedication to the AP® courses keeps teachers and students on track to realize success on the AP® exams.

AP® is a registered trademark of The College Board, which is not affiliated with, and does not endorse, this product.

Macroeconomics, Tenth Edition

N. Gregory Mankiw
Harvard University
©2019 • Cloth, 656 pp. • 1-319-10599-8

Mankiw’s Macroeconomics has been the number one book for the intermediate macro course since its first edition. It maintains that bestselling status by continually bringing the leading edge of macroeconomics theory, research, and policy to the classroom, explaining complex concepts with exceptional clarity.

Economics of Education

Michael Lovenheim
Cornell University
Sarah Turner
University of Virginia
©2018 • Paper, 624 pp. • 0-7167-7704-5

This textbook provides an overview of the economics of education research, to lay out the evidence clearly, note agreements and disagreements, and to help students develop the tools necessary to draw their own conclusions.

Public Finance and Public Policy, Sixth Edition

Jonathan Gruber
Massachusetts Institute of Technology
©2019 • Cloth, 896 pp. • 1-319-10525-4
Pub Date: 5/29/2019

The new edition of Gruber’s Public Finance and Public Policy details ongoing policy debates, with special focus on the largest tax reform in 30 years. New topics include universal basic income, the legalization of pot, and congestion pricing. And, of course, there is an extensive, in-depth discussion of the debate over health care.

Like no other intermediate microeconomics, Goolsbee, Levitt, and Syverson’s text bridges the gap between today’s theory and practice, with a strong empirical dimension that lets students test theory and successfully apply it. The authors draw on their teaching and research experiences to present the evidence developed in the last 20 years that has impacted fundamental theories.

New in this Edition

New applications from toxic algae in Florida and self driving cars, to the importance of business reputations and ultra low cost airlines.

New Freakonomics boxes (How Uber took the Taxi Industry by Storm and Do Traffic Jams Lead to Divorce?).

25% new end-of-chapter problems for every section of the book.
Written by bestselling author Manuel Molles and acclaimed science journalist Brendan Borrell, this new textbook gives students the scientific foundation they need to understand environmental issues and think critically about possible solutions. Molles and Borrell make clear the connections between research and real-world problems with a "science/issues/solutions" framework for each chapter. This unique approach reinforces a positive, solutions-based framework for the science, empowering students to feel that they can have an impact on preserving biodiversity, protecting natural resources, addressing pollution hazards, confronting climate change, and more.

The book should prove an excellent resource for both teachers and students in conservation and ecology classes at the undergraduate and graduate levels, as well as for working scientists and others interested in learning more about conservation and economics. Assuming no previous economic training, the authors use simple illustrations, examples from around the world, and readable (occasionally irreverent) prose to describe the central economic principles that are relevant to conservation.

Conservation Science was primarily written for undergraduates and beginning graduate students who are interested either in academic or professional careers in conservation. This acclaimed, widely used textbook shows how conservation scientists apply principles from ecology, population genetics, economics, political science, and other natural and social sciences to manage and preserve nature.

Environmental Science for the AP® Course was written specifically for the AP® Environmental Science (APES) course, directly addressing the needs of APES students and teachers from beginning to end. Lead author Dr. Andrew Friedland of Dartmouth College was the founding Chair of the College Board committee that created the APES course. He regularly teaches Introduction to Environmental Science at Dartmouth and is actively researching environmental science topics related to air pollution and carbon accumulation in forests. The Friedland package uniquely prepares students for the quantitative aspects of the APES course in a way no other text does. In addition, it explores and explains every topic within the APES course description while offering a scientific and balanced approach to the key concepts. The Friedland text is praised for its accessibility and for familiarizing students with the findings that inform environmental decision making at all levels—from personal choice to national and international policy.

AP® is a registered trademark of The College Board, which is not affiliated with, and does not endorse, this product.
NEW EDITION

Understanding Earth, Eighth Edition
John Grotzinger
California Institute of Technology
Tom Jordan
University of Southern California
©2020 • Paper, 720 pp. • 1-319-20677-8
Pub Date: 12/17/2019

Long the premier textbook for the introductory physical geology course, Understanding Earth shows students what professional geologists actually do, seeing how geology impacts their lives as citizens and future stewards of the planet.

New to this Edition

New chapter organization to bring climate and global change chapters to the core of the text
New chapter-opening learning objectives
New chapter-ending reviews of learning objectives, study assignments, exercises, and thought questions
Updated research on geomorphology and natural hazards.

NEW EDITION

Key Concepts in Geomorphology
Second Edition
Paul R. Bierman
University of Vermont
David R. Montgomery
University of Washington
©2020 • Paper, 560 pp. • 1-319-05980-5
Pub Date: 11/18/2019

Written for introductory geomorphology, surface processes, or physical geology courses, Key Concepts in Geomorphology offers an integrative, applications-centered approach to the study of the Earth’s dynamic surface.

New to this Edition

Case Studies show how geomorphology impacts people.
Learning Objectives in each chapter help students understand and organize material. End-of-chapter questions are now mapped to learning objectives.
New coverage of technological and intellectual advances, including the explosion of LiDAR mapping, dynamic topography, and natural channel design.

Environmental Geology, Second Edition
Dorothy Merritts
Franklin and Marshall
Kirsten Menking
Vassar College
Andrew de Wet
Franklin and Marshall
©2020 • Paper, 604 pp. • 1-4292-3743-0

Merritts’ classic text provides a balanced approach to environmental issues and builds an informed student understanding with case studies, conceptual explanations, and relevant presentation of material. By far the most concise book for its course, it remains the only textbook to use an earth systems approach to exploring how the Earth works, the human impact on the environment, and the characteristics of different natural hazards.

Sedimentary Geology: An Introduction to Sedimentary Rocks and Stratigraphy, Third Edition
Donald R. Prothero
Occidental College
Fred Schwab
Washington and Lee University, Emeritus
©2014 • Cloth, 500 pp. • 1-4292-3155-6

Prothero and Schwab’s acclaimed text shows students how sedimentary strata serves geologists as a continuous record of Earth’s history. The authors’ conversational style, and focus on the important concepts make the book highly accessible to an undergraduate audience.

Earth’s Climate: Past and Future, Third Edition
William F. Ruddiman
University of Virginia
©2014 • Paper, 464 pp. • 1-4292-5525-0

At a time when the evidence is stronger than ever that human activity is the primary cause for global climate change, William Ruddiman’s breakthrough text offers an engaging, objective portrait of the current state of climate science.
Earth Transformed
William F. Ruddiman
University of Virginia
©2014 • Paper, 400 pp. • 1-4641-0776-9
When did human impact start to be significant? In this brief volume, William Ruddiman gets to the heart of one of today’s most vigorous scientific debates.

Earth Systems History, Fourth Edition
Steven M. Stanley
University of Hawaii
©2015 • Cloth, 624 pp. • 1-4292-5526-9
This classic remains the only historical geology text written from a truly integrated earth systems perspective. Stanley is the 2013 winner of the Geological Society of America’s Penrose Medal for outstanding original contributions to the science of geology.

GEOGRAPHY

NEW EDITION

World Regional Geography: Global Patterns, Local Lives, Eighth Edition
Lydia Mihelić Pulsipher
University of Tennessee, Knoxville
Alex Pulsipher
Ola Johansson
University of Pittsburgh at Johnstown
©2020 • Paper, 624 pp. • 1-319-20677-8
Pub Date: 12/16/2019
Pulsipher’s World Regional Geography shows the rich diversity of human life and demystifies global issues by representing the daily lives of men, women, and children in the various regions of our globe. It uses a thematic framework to organize information and help students think critically about the local and global impacts of environment; gender and population; urbanization; globalization and development; and power and politics.

New to this Edition

Up-to-date content including coverage of Brexit, US trade agreements, China’s influence, and authoritarianism
NEW Photo Essays (five in each chapter) help students visualize important concepts of climate change, globalization, politics, urbanization, and gender/culture.
Enhanced pedagogy including new learning objectives, concept check questions, critical thinking questions, and visual concept maps

NEW EDITION

Introduction to Geospatial Technologies, Fifth Edition
Bradley A. Shellito
Youngstown State University
©2020 • Paper, 608 pp. • 1-319-24951-5
Pub Date: 12/19/2019
With coverage of the latest geospatial technologies in use, the new edition of Shellito’s text gives students a basic foundation of knowledge, hands-on practical experience, and exposure to the relevant software.

NEW EDITION

Discovering GIS and ArcGIS, Second Edition
Bradley A. Shellito
Youngstown State University
©2017 • Paper, 612 pp. • 1-319-06047-1
Bradley Shellito shows how to accomplish a wide range of real-world tasks and applications while always keeping sight on the conceptual basis and practical impact of what they are doing.
The most successful calculus book of its generation, Rogawski’s *Calculus* helps students build strong computational skills while reinforcing the relevance of calculus to their lives. Colin Adams and new co-author Robert Franzosa continue the book’s highly effective approach, while drawing on extensive instructor and student feedback, and Adams’ three decades as a calculus teacher and author of math books for general audiences.

Sullivan and Miranda help students learn calculus conceptually, while also emphasizing computational and problem-solving skills with a wide array of problems—including engaging challenge problems and applied exercises that model the physical sciences, life sciences, economics, and other disciplines.

Taalman and Kohn’s textbook combines the clarity of classic textbooks with a modern perspective on concepts, skills, applications, and theory. Its sleek, uncluttered design eliminates sidebars, historical biographies, and asides to keep students focused on foundational concepts.

Holt blends computational and conceptual topics throughout to prepare students for the rigors of conceptual thinking in an abstract setting. The early treatment of conceptual topics in the context of Euclidean space gives students more time, and a familiar setting, in which to absorb them. This organization also makes it possible to treat eigenvalues and eigenvectors earlier than in most texts.

Gersting’s *Mathematical Structures for Computer Science* has long been acclaimed for its clear presentation of essential concepts and its exceptional range of applications relevant to computer science majors.
Kokoska combines a traditional, classic approach to teaching statistics with contemporary examples and pedagogical features, blending solid mathematics with lucid, often humorous writing and a distinctive stepped “Solution Trail” problem-solving path.

New to this Edition

30% New Examples and Exercises on a wide variety of interesting and contemporary topics.

Chapter App begins each with a unique, real-world problem to introduce new concepts and an application to begin discussion. Throughout the chapter, Chapter App references provide questions and context that build up to the concluding Chapter App exercise.

Looking Back and Looking Forward includes reminders of specific concepts linked to earlier sections that will be used to develop new skills.

Reorganized chapters are now broken down into smaller subsections.

Common Error corrects common conceptual and computational errors in a just-in-time fashion.

Introduction to the Practice of Statistics, Ninth Edition

David S. Moore
Purdue University
George P. McCabe
Purdue University
Bruce A. Craig
Purdue University
©2017 • Cloth, 832 pp. • 1-319-01338-4


David S. Moore
Purdue University
William I. Notz
The Ohio State University
©2020 • Cloth, 672 pp. • 1-319-10902-0

Written by an author team of accomplished leaders in statistics education, The Basic Practice of Statistics (BPS) reflects the actual practice of statistics—where data analysis and design of data production join with probability-based inference. The authors’ ultimate goal is to equip students to carry out common statistical procedures and to follow statistical reasoning in their fields of study and in their future employment.

Statistics: Concepts and Controversies (SCC) introduces liberal arts majors to statistical ideas—and shows them how use those ideas to think about the statistical claims they see every day from polls, campaigns, advertising, public policy, and many different fields of study. It offers a combination of engaging cases, real-life examples and exercises, helpful pedagogy, rich full-color design, and innovative media learning tools.

New to this Edition

30% New Examples and Exercises on a wide variety of interesting and contemporary topics

Chapter App begins each with a unique, real-world problem to introduce new concepts and an application to begin discussion. Throughout the chapter, Chapter App references provide questions and context that build up to the concluding Chapter App exercise.

Looking Back and Looking Forward includes reminders of specific concepts linked to earlier sections that will be used to develop new skills.

Reorganized chapters are now broken down into smaller subsections.

Common Error corrects common conceptual and computational errors in a just-in-time fashion.

Introduction to the Practice of Statistics (IPS) shows students how to produce and interpret data from real-world contexts—doing the same type of data gathering and analysis that working statisticians in all kinds of businesses and institutions do every day. With this phenomenally successful approach originally developed by David Moore and George McCabe, statistics is more than just a collection of techniques and formulas. Instead, students develop a systematic way of thinking about data, with a focus on problem-solving that helps them understand statistical concepts and master statistical reasoning.
With *The Practice of Statistics for Business and Economics*, instructors can help students develop a working knowledge of data production and interpretation in a business and economics context, giving them the tools they need to make data-informed, real-world business decisions from the first day of class. For this edition, the exercises and examples (based on real data and 50% new) are geared more than ever to the business student.

**New to this Edition**

**New Learning objectives** provide an overview of what the students are expected to be able to do when they complete their study of the section.

**Over 60% new or revised exercises and examples** with additional emphasis on making the business or economics relevance of the exercises clear to the reader.

**Increased emphasis on technology** with updated software displays and links in each chapter to videos showing how to perform specific analyses using Excel, JMP, Minitab, and R.

**Reminders margin notes** direct the reader to the first explanation of a topic, providing page numbers for easy reference.

This remarkably engaging textbook gives biology students an introduction to statistical practice all their own. It covers essential statistical topics with examples and exercises drawn from across the life sciences, including the fields of nursing, public health, and allied health. Based on David Moore’s *The Basic Practice of Statistics, PSLS* mirrors that #1 bestseller’s signature emphasis on statistical thinking, real data, and what statisticians actually do.

**Introduction to Probability**

Mark Daniel Ward  
Purdue University  
Ellen Gundlach  
Purdue University  
©2016 • Cloth, 688 pp. • 0-7167-7109-8

Ward and Gundlach’s conversational style, highly visual approach, practical examples, and step-by-step problem solving help all kinds of students understand the basics of probability theory and its broad applications.
College Physics was written from the ground up to provide instructors and students with a fresh approach to the algebra-based physics course. Its dual emphasis is on developing both deep conceptual understanding and strong problem-solving skills. College Physics also offers students a focus on real-life biological applications to illustrate why physics is important to students’ future fields of work.

This is the first textbook to integrate AP® skill-building and exam prep into a comprehensive college-level textbook, providing students and teachers with the resources they need to be successful in AP® Physics 1. Throughout, you’ll find AP Exam Tips, AP® practice problems, and complete AP® Practice Exams, with each section of the textbook offering a unique skill-building approach.

AP® is a registered trademark of The College Board, which is not affiliated with, and does not endorse, this product.

University Physics for the Physical and Life Sciences teaches the fundamentals of introductory physics, while weaving in formative physiology, biomedical, and life science topics to help students connect physics to living systems. The authors help life science and pre-med students develop a deeper appreciation for why physics is important to their future work and daily lives. With its thorough coverage of concepts and problem-solving strategies, University Physics for the Physical and Life Sciences can also be used as a novel approach to teaching physics to engineers and scientists or for a more rigorous approach to teaching the college physics (algebra-based) course.

Physics for Scientists and Engineers offers a completely integrated text and media solution that will help students learn most effectively and will enable professors to customize their classrooms so that they teach most efficiently. It is also available in these versions:

**Volume 1 Mechanics/Oscillations and Waves/Thermodynamics** (Chapters 1–20, R), 650 pages, 1-4292-0132-0

**Volume 2 Electricity and Magnetism/Light** (Chapters 21–33), 828 pages, 1-4292-0133-9

**Volume 3 Elementary Modern Physics** (Chapters 34–41), 352 pages, 1-4292-0134-7

**Extended Version** (Chapters 1–41, R), 1356 pages, 0-7167-8964-7

COMING IN 2020
Updated Instructor Resources and Test Bank

For complete contents and media supplements information visit www.macmillanlearning.com
Introduction to Fourier Optics, Fourth Edition
Joseph W. Goodman
Stanford University (emeritus)
©2017 • Cloth, 491 pages • 1-319-11916-6

Goodman focuses on applications in optics, and in particular with applications to diffraction, imaging, optical information processing, holography, and optical communications.

Biological Physics
Philip Nelson
University of Pennsylvania
©2013 • Paper, 600 pages • 0-7167-9897-2

Biological Physics focuses on results in molecular motors, self-assembly, and single-molecule manipulation that have revolutionized the field in recent years, and integrates these topics with classical results. The text also provides foundational material for the emerging field of nanotechnology. Biological Physics is built around a self-contained core geared toward undergraduate students who have had one year of calculus-based physics. Additional “Track-2” sections contain more advanced material for senior physics majors and graduate students.
Best-selling authors David Myers’ and Nathan DeWall’s briefest, most affordable introduction to psychology speaks to all students regardless of background or level of preparation, with no assumptions made in the vocabulary, examples, or presentation.

New to this Edition

New Student Preface, How to Apply Psychology to Live Your Best Life, covering self-care and self-improvement, time management and study tips, social life, and finding meaning and pursuing goals.

New integrated theme of THINK Critically, CONSIDER Diverse Perspectives, and IMPROVE Your Everyday Life.

New “Improve your Everyday Life” and “In Your Everyday Life” to help students apply psychology’s principles toward better adjustment and self-improvement.

Thoroughly updated throughout, with hundreds of new citations to include the most relevant new findings available.

New “The Story of Psychology: A Timeline” including the many diverse contributions to psychology’s history.

This exceptionally concise volume offers a rich survey of the field’s fundamental research and concepts at an unbeatable price. And this price includes a robust, carefully developed supplements package for students and instructors.

The best-selling Exploring Psychology offers creative ways to help students engage with psychology’s key principles and retain what they’ve read. Myers and DeWall inspire students with fascinating findings and applications, effective new study tools and technologies, and a compassionate and compelling storytelling voice.

With an author team equally at home in the classroom, in the lab, or on the bestseller list, Introducing Psychology is a textbook written to keep students turning the pages. It offers expert coverage of psychology’s scientific foundations, but communicates in a style that’s anything but that of a typical textbook.
My Psychology is a fresh approach to introductory psychology that invites students to make a personal connection to the science of psychology. Unlike other texts, it combines a relatable writing style and digital technology to make the material real and immediate for readers.

New to this Edition
Over 1400 new references and extensive updating throughout.
New section on digital stress.

This widely used, enthusiastically received textbook is the work of one of the most accomplished author teams in introductory psychology, each a distinguished educator and researcher, and three of them (Schacter, Gilbert, and Wegner) authors of bestselling books for general readers.

New to this Edition
Completely rewritten chapter 1 tells the history of psychological science as a story full of colorful characters, starts and stops of progress, and the progress to today.
Thoroughly revised introduction to Sensation & Perception.
Streamlined discussion of the function of emotion and new coverage of tweets in Emotion & Motivation.
New section on Beyond Moral Reasoning as well as 60 new references in the Development chapter.

Psychology, Eighth Edition
Peter O. Gray
Boston College
David F. Bjorklund
Florida Atlantic University
©2018 • Cloth, 750 pp. • 1-319-01589-1
Peter Gray’s evolutionary perspective and emphasis on critical thinking have made his comprehensive yet accessible introduction to psychology a widely respected classroom favorite, edition after edition. This edition continues this tradition with co-author David Bjorklund, who engages and stimulates students to investigate the big ideas in psychological science.

Psychology, Eighth Edition
Sandra E. Hockenbury
Susan A. Nolan
Seton Hall University
©2018 • Cloth, 848 pp. • 1-319-05063-8
This classroom favorite makes the science of psychology (and through that, the process of science itself) come alive for students, with personal stories that exemplify important concepts in a student-friendly way, and with coverage of the field’s scientific foundations and advances that is accessible without being oversimplified. This edition extends the book’s focus on developing scientific literacy in the context of psychology.

Psychology, Twelfth Edition
David G. Myers
Hope College
C. Nathan DeWall
University of Kentucky
©2018 • Cloth, 896 pp. • 1-319-05062-X
Psychology by David Myers and Nathan DeWall continues to be the best-selling introductory psychology text/media resource. And students don’t just use it—they love it. How do we know? They tell us. Students contact the authors regularly to give them feedback and to thank them. The innovations around the text rest on the same foundations that have always distinguished each Myers/DeWall revision—exhaustive updating, captivating writing, and the merging of rigorous science with a broad human perspective that engages both the mind and the heart.
Experienced author, researcher, and teacher Daniel Cervone shows students how to make sense of psychology from page one, demonstrating how research at the levels of person, mind, and brain form one integrated science. Cervone uses real-life stories and familiar, person-level examples early in each chapter, to ground traditionally challenging topics in the context students understand best: people.

**DEVELOPMENTAL PSYCHOLOGY**

**CHILD DEVELOPMENT**

**NEW EDITION**

**How Children Develop,** Sixth Edition
Robert S. Siegler
Carnegie Mellon University
Jenny Saffran
University of Wisconsin-Madison
Nancy Eisenberg
Arizona State University
Judy S. DeLoache
University of Virginia
Elizabeth Gershoff
University of Texas at Austin

©2020 • Cloth, 880 pp. • 1-319-18456-1
Pub date: 12/20/2019

How Children Develop is the topically organized textbook teachers and researchers trust for the most up-to-date perspectives on child development. The authors—each a well-known scientist and educator—introduce important concepts and discoveries with an unparalleled integration of theory, cultural research, and applications.

**New in this Edition**

Streamlined exposition that presents the overall coverage and narrative style of previous editions while adding new research.

Revised organization of topics in learning and cognition.

New research and contemporary topics on cultural diversity (especially in the studies cited), our evolving understanding of genetics and epigenetics, developments in neuroscience, and our understanding and treatment of gender identity and research.

**Experiencing Childhood and Adolescence**

Janet Belsky
Middle Tennessee State University

©2018 • Paper, 672 pp. • 1-319-13377-0

Experiencing Childhood and Adolescence reflects a scientist’s understanding of key research, a psychologist’s understanding of people, and a teacher’s understanding of students. This new brief text features significant new findings, a broad-based global perspective, and enhanced media offerings. With all of this, the book’s length and level are just right for a single-term course.

**The Developing Person Through Childhood and Adolescence, Eleventh Edition**

Kathleen Berger
City University of New York & Bronx Community College

©2018 • Paper, 672 pp. • 1-319-05813-2

Berger’s portrait of the scientific investigation of childhood and adolescent development helps bring an evolving field into the evolving classroom. In addition to exhaustively updated research, this edition is notable for its thorough integration of assessment throughout all aligned with national standards.

**ALSO AVAILABLE**

The Developing Person Through Childhood, Eighth Edition
Kathleen Berger
City University of New York & Bronx Community College

©2018 • Paper. 464 pages • 1-319-06164-8

The first 13 chapters of Berger’s childhood and adolescence text are available as a separate publication.
Theories of Developmental Psychology
Sixth Edition
Patricia H. Miller
San Francisco State University
©2016 • Paper, 520 pp. • 1-4292-7898-6

Always reflective of the latest research and thinking in the field, Patricia Miller’s acclaimed text offers an ideal way to help students understand and distinguish the major theoretical schools of child development. This fully updated new edition includes a new focus on biological theories of development, and offers new instructor resource materials.

Janet Belsky’s Experiencing the Lifespan reflects a scientist’s understanding of key research, a psychologist’s understanding of people, and a teacher’s understanding of students. In a highly conversational style, with examples drawn from an extraordinarily broad range of cultures, the book remains at just the right length and level of to fit comfortably in a single-term course.

LIFESPAN DEVELOPMENT

NEW EDITION

The Developing Person Through the Life Span, Eleventh Edition
Kathleen Stassen Berger
Bronx Community College, City University of New York
©2020 • Cloth, 800 pp. • 1-319-19175-4
Pub date: 12/20/2019

When it comes to communicating the current state of developmental psychology, no author is more effective than Kathleen Berger. Berger’s rigorous updating and appealing writing helps students grasp the important theoretical and scientific work driving the field today. And her wide-ranging cultural perspective and focus on universal themes help students see the relevance of the field to their own lives and the lives of all kinds of people all over the world.

New in this Edition

Hundreds of New Research Citations. Coverage includes new developments in late-breaking research areas, from epigenetics to end-of-life care. Special emphasis is on brain development, culture, genetics, and emotional development. Berger includes this research in a way your students will understand and be able to apply in their future careers.

New and updated Data Connections activities. For each chapter, students have an opportunity to expand their understanding of key topics and data interactively.

New! Career Alerts at the end of each Part present career options in various applied settings

New! Suggested Apps for applying developmental research

Updated Visualizing Development infographics.

Berger’s bestselling textbooks connect all kinds of students to current state of developmental psychology, in an engaging, accessible, culturally inclusive way. Berger’s Invitation to the Life Span does this in just 15 concise chapters, exploring the breadth of the life span in a single term. This edition incorporates research in fast-moving areas such as brain development and psychopathology.
An award-winning teacher, accomplished researcher, and experienced therapist, Ron Comer knows how to communicate the complexities of abnormal psychology to students. For the new edition, he is joined by Jonathan Comer.

With its signature integrated coverage of theory, diagnosis, and treatment, and remarkably inclusive cross-cultural perspective, this new edition of Comer’s widely adopted textbook shows students where the study and treatment of psychological disorders stand today. This edition adds new co-author, Jonathan Comer.

The authors match current research—from neuroscience to culture-based approaches—with riveting human examples, helping students understand the both the scientific foundations and the personal impact of mental illness. Their book also offers a distinctive emphasis on the dynamic interplay between the neurological, psychological, and social factors involved in understanding psychological disorders and their treatment.

How can seemingly good people justify behavior that not only defies decency but devastate other lives? With this revelatory work, Albert Bandura draws on his own exhaustive research to uncover the mechanisms by which individuals and organizations commit and rationalize harmful behavior.

Drawing on over 50 years of combined teaching and research, the authors guide students through the rich diversity of the science of social psychology and its insights into everyday life. Each chapter organically weaves together explanations of theory, research methods, empirical findings, and applications, showing how social psychologists accumulate and apply knowledge toward understanding and solving real-world problems.

Through vivid narrative and intriguing examples, Aronson probes the patterns and motives of human behavior, covering such diverse topics as terrorism, conformity, obedience, politics, race relations, advertising, war, interpersonal attraction, and the power of religious cults.
This collection of readings serves as a companion to—or alternative for—any introductory social psychology text.

**New articles include:**

**Scientific Reproducibility in the Study of Social Animals**
by Jay Van Bavel and William Al Cunningham

**The Replicability Issue and Stereotype Threat Research**
by Steven J. Spencer and Claude M. Steele

**A Room with a Viewpoint: Using Social Norms to Motivate Environmental Conservation in Hotels**
by Noah J. Goldstein, Robert B. Cialdini, and Vladas Griskevicius

**Reducing intergroup prejudice and conflict using the media: a field experiment in Rwanda**
by Elizabeth Levy Paluck

**Implicit Bias in Social Interactions**
by Kate Riley Thorson and Tessa V. West

**A Purpose for Working Hard: When Transcending the Self Creates Self-Regulation**
by David S. Yeager

**Emotional Disclosure and Social Judgment**
by Kent D. Harber and Christian H. Williams

**You Are What You Do: Implicating the Self to Influence Behavior**
by Christopher J. Bryan

**Work and the Art of Motivation Maintenance**
by Adam M. Grant

**The Mindful Social Animal**
by Barry Cohen and Joshua Aronson

With accessible and clear explanations, Anderson shows students how mental processes are investigated and how we know what we know about the mind. The new edition introduces students to both the cutting edge findings of cognitive neuroscience and classic behavioral studies. Experimental data, sample stimuli, brain images, and research tasks woven throughout the text give students a real understanding of how research is conducted and the excitement of discovery. Fascinating examples and applications of cognitive theory further keep students engaged.

**New to this Edition**

**Full-color presentation** with dozens of new illustrations and photos.

**New Implications** boxes on the real-world impact of breakthrough research in almost every chapter.

**Extensive updating** throughout, with new sections on:

- A Cognitive Neuroscience Revolution?
- Object Recognition by Deep Convolutional Networks
- Individual Differences in Visual Imagery
- Inattentional Blindness
- Memory for the Detail of Everyday Experiences
- Spacing Effects
- Giving Up on Problem Solving
- Talent versus Deliberate Practice
- Causal Reasoning
- Choosing among Multiple Alternatives
- Cognitive and Neural Correlates of Intelligence
Learning and Memory is the first textbook to reflect the convergence of brain studies and behavioral approaches in modern learning and memory research, incorporating findings both in animals and humans. Its modular format lets instructors teach learning, memory, and integrated topics in any order they choose.

New topics include

- Technologies for personal monitoring
- Internet gaming disorder
- New developments in functional neuroimaging
- The impact of sleep disruption on memory decline in aging
- Theories of memory consolidation
- Using classic taste aversion conditioning to patients tolerate chemotherapy
- The importance of variability in training

Fundamentals of Human Neuropsychology, Seventh Edition
Valerie S. Knopik
Rhode Island Hospital; Brown University
Jenae M. Neiderhiser
Pennsylvania State University
John C. DeFries
University of Colorado, Boulder
Robert Plomin
Institute of Psychiatry, London
©2017 • Paper, 528 pp. • 1-4641-7605-1

With its clear and concise presentation, Behavioral Genetics, Seventh Edition introduces students to the field’s underlying principles, defining experiments, ongoing controversies, and most recent discoveries. The text provides students with an understanding of heredity, its DNA basis, the methods used to discover genetic influence on behavior and identify specific genes. It then examines what is known about genetic influence on cognitive ability, psychopathology, substance abuse, personality, health psychology, and aging. Finally it looks at the future of the field of behavioral genetics—an area where some of the most exciting development in the behavioral sciences are being made.

Julien’s A Primer of Drug Action, Fourteenth Edition
Claire D. Advokat, Ph.D
Louisiana State University
Joseph Comaty, Ph.D., M.P., Louisiana State Office of Behavioral Health
Robert M. Julien, M.D., Ph.D.
©2019 • Paper, 752 pp. • 1-319-01585-9

Julien’s Primer of Drug Action continues to evolve side by side with the field it covers providing a thoroughly up-to-date look at psychotherapeutic and recreational drugs, including the latest research and the newest formulations.
Like no other text, **Sensation and Perception** expertly introduces students to how we sense and perceive the world around us. Using clear and detailed explanations and highly effective illustrations the text illuminates the connections between mind, brain, and behavior in the realm of sensation and perception. Seamlessly integrating classic findings with cutting edge research in psychology, physiology and neuroscience, the new edition explores the questions researchers are seeking to answer to today and the methods of investigation they are using.

**NEW EDITION**

**Statistics for the Behavioral Sciences, Fifth Edition**
Susan Nolan  
Seton Hall University  
Thomas Heinzen  
William Paterson University  
©2020 • Cloth, 736 pp. • 1-319-19074-X  
Pub date: 10/28/2019

The more comprehensive version of Nolan and Heinzen's textbook offers coverage anchored to real-world stories, a highly visual approach, helpful mathematical support, and step-by-step examples.

**New to this Edition**

**Interpreting Statistical Results** digital activity asks students to interpret statistical data from a recent research project to sharpen this important skill.

**The new Data Ethics feature** in every chapter identifies outdated research practices and introduces students to the set of principles related to all stages of working with data.

**New Chapter! Ch. 18, Choosing and Reporting Statistics**

**Chapter 3, Visual Displays of Data** now includes a new section on innovative ways to display variability.

An expanded discussion of the increasing use of and drawbacks of crowdsourced data.

**Essentials of Statistics for the Behavioral Sciences, Fourth Edition**
Susan Nolan  
Seton Hall University  
Thomas Heinzen  
William Paterson University  
©2019 • Paper, 672 pp. • 1-319-14363-6

Nolan and Heinzen offer an introduction to the basics of statistics that is uniquely suited for behavioral science students, with coverage anchored to real-world stories, a highly visual approach, helpful mathematical support, and step-by-step examples.

**Discovering the Scientist Within: Research Methods in Psychology, Second Edition**
Gary W. Lewandowski, Jr.  
Natalie Ciarocco  
David B. Stromheltz  
all at Monmouth University  
©2019 • Paper, 448 pp. • 1-319-10736-2

This the only book on the market that teaches students about research methods using a case study approach. All the design-focused chapters present students with a single study described from start to finish. Students come away with a practical understanding of the research process and useful practice in the basic steps that comprise all studies.

**Using and Interpreting Statistics, Third Edition**
Eric W. Corty  
Pennsylvania State University  
©2016 • Cloth, 650 pp. • 1-4641-0779-3

An award-winning master teacher, Corty speaks to students in their language, conveying the basics of collecting and understanding statistical data step by step. Examples come from the behavioral and social sciences, as well as from recognizable aspects of everyday life.
Written by a leading researcher in one of the nation’s top I/O programs, Paul Levy’s text has long been acclaimed for its concise, research-based approach and personable writing. With this thoroughly updated new edition, students have ample opportunities to explore what’s happening in I/O psychology today, through voices directly from the field (Practitioner Forum), brief takes on current events issues (I/O Today), applied practice (Taking it to the Field), and critical and applied exercises at the end of each chapter.

New to this Edition

Chapter 5 has been retitled Performance Management (formerly Performance Appraisal), signifying the broad topic under which Performance Appraisal falls

New Practitioner Forums cover such topics as the I/O psychologists role in litigation settlements, innovations in leadership development programs, and Verbal 360 performance appraisals.

New I/O Today articles cover such topics as diversity and performance, the debate about eliminating performance ratings, and gamified microlearning.

With Straub’s Health Psychology, students explore the interrelationship of psychological and physical well-being, making meaningful connections between health psychology theory and research and their own everyday experience. Straub explores the main ideas of the field from a biopsychosocial perspective, drawing on the latest research, engaging examples, and thorough considerations of diversity issues as they relate to health psychology (gender, ethnicity, age, orientation).

Psychology of Sex and Gender introduces students to foundational topics of sex and gender, as well as cutting-edge topics and research, encouraging them to (re)think their perceptions of the gendered world around them.

Many textbooks in this domain focus more on women’s studies or psychology of women without much coverage of men’s issues. But Burns offers a comprehensive and balanced sex/gender perspective integrating contemporary research. In addition, this text provides an integration of current and relevant (mis)representations of issues related to sex and gender as a means for furthering students’ awareness of the gendered world in which they live.
Understanding Your College Experience addresses the needs of the widest possible range of students through its content coverage and organization, activities, assessment, and design. Using a research-driven approach informed by decades of information on the first year experience, the author team provides students who need the most support with the practical help necessary to flourish in college and beyond. Thoroughly updated, the new edition puts even more emphasis on career planning and development.

Your College Experience provides today’s diverse students with the help they need for the transition to college—and useful strategies for success in college and beyond. With a focus on goal setting and a continued emphasis on the ten High-Impact Practices identified by the American Association of Colleges & Universities, this edition features an expanded chapter on emotional intelligence, a revised and peer-reviewed chapter on diversity, and an updated Majors and Careers chapter that spotlights current research about the economy and career success.

Connections: Empowering College and Career Success, Second Edition
Paul A. Gore
Xavier University
Wade Leuwerke
Drake University
A.J. Metz
University of Utah
©2019 • Paper, 416 pp. • 1-319-10716-8

Written by counseling psychologists Paul Gore, Wade Leuwerke, and A.J. Metz, Connections shows students from day one how to be strong learners, with the mindset, drive, and strengths to help them meet any challenge on their way to college, personal, and career success.

The expertly designed program is firmly rooted in the most current research in positive psychology, using self-reflection as a tool for goal-setting; goal-setting as a tool for imagining one’s potential; and imagining one’s potential as the motivation for realizing it. Connections puts students at the center of their own personalized learning path, facilitates their purposeful choice of an academic and career plan, and develops all the skills they need—cognitive and non-cognitive, academic and life—to foster their self-growth and success.

The Pocket Guide to College Success provides straightforward and easily consumable coverage on all the topics typically found in a full-size college success text in a handy, affordable, highly-customizable format. Chapters on academic skills like time management, academic planning, and note-taking get students ready for success in class, while life skills like goal-setting, money management, and interpersonal communication help them throughout their entire collegiate experience and beyond. Perfect for use as a self-directed student reference outside of an orientation course (or where there is no such course), Pocket is also a full-course solution, available with a robust instructor’s manual and suite of digital resources.
The #1 introduction to mass communication text, *Media & Culture* is at the forefront of the ever-changing world of this dynamic course, addressing the most current issues of our time—including the proliferation of fake news, the #metoo movement, the use and abuse of social media platforms, consumer privacy, and the role media plays in our democracy. This edition digs deeper than ever into the worldwide reach and ethical implications of today’s media by highlighting global issues (foreign interference in social media; the effect of international box office revenue on the film industry), and ethical considerations (the fight against sexual harassment across media industries; coverage of recent mass shootings).

**NEW EDITION**

*News Reporting and Writing*, Thirteenth Edition  
The Missouri Group  
©2020 • Paper, 544 pages • 1-319-20816-9  
Pub date: 10/01/2019

*News Reporting and Writing* teaches essential reporting and writing skills within the context of today’s digital media landscape. The Missouri Group, including new author, Beverly Horvit, focuses on developing the skills journalists actually use and the many careers in which they, and students, could use them—from working in news, to advertising, to public relations. This extensive revision offers diverse examples and a focus on the role of technology to give students a strong foundation in the craft and raise awareness of current issues like fake news and censorship.

**NEW EDITION**

The Missouri Group  
©2020 • Paper, 544 pages • 1-319-20117-2  
Pub date: 09/09/2019

Regardless of the medium—from print to broadcast to PR to digital—*Working with Words* serves as an invaluable reference for mass communication students throughout their academic and professional careers. Helping students become better journalists and media writers, the text combines news writing acumen with good, journalistic form, covering the full spectrum of writing skills from understanding basic methods of style and writing to mastering English grammar and mechanics.

**NEW EDITION**

*The Film Experience: An Introduction*, Fifth Edition  
Timothy Corrigan  
University of Pennsylvania  
Patricia White  
Swarthmore College  
©2018 • Paper, 528 pp. • 1-319-05951-1

*The Film Experience* helps students learn the basics of technology, business, history, and visual language of cinema, and synthesize them into a cohesive understanding of the medium that will, in turn, enhance their own film experiences. More than ever, the book places important historical developments in the modern, accessible context of ever-changing film technology, economics, and narrative.

**NEW EDITION**

*FILM*

*The Film Experience: An Introduction*, Fifth Edition  
Timothy Corrigan  
University of Pennsylvania  
Patricia White  
Swarthmore College  
©2018 • Paper, 528 pp. • 1-319-05951-1

*The Film Experience* helps students learn the basics of technology, business, history, and visual language of cinema, and synthesize them into a cohesive understanding of the medium that will, in turn, enhance their own film experiences. More than ever, the book places important historical developments in the modern, accessible context of ever-changing film technology, economics, and narrative.
Anatomy of Film, Twelfth Edition
Bernard F. Dick
Farleigh Dickinson University
©2010 • Paper, 450 pp. • 0-312-48711-8

Designed to be used in film-as-literature or introduction to film courses in English, film, or communication departments, Anatomy of Film covers all of the essential elements of film—from genre, lighting, and editing to music, sound, and narration. Its student-friendly approach makes it ideal for those new to the discipline.

Adam Leipzig
Barry S. Weiss
with Michael Goldman
©2016 • Paper, 416 pp. • 0-312-61699-6

With storytelling and collaboration as core principles, industry insiders Adam Leipzig (former President of National Geographic Films), and Barry Weiss (former head of animation at Sony Pictures), with Michael Goldman (prominent journalist and industry expert), guide students through the skills and the craft of video and filmmaking. With unparalleled access to the industry’s most accomplished and insightful professionals, budding filmmakers will learn techniques from the very best.

Inside Track for Independent Filmmakers
First Edition
Adam Leipzig
©2016 • Paper, 288 pp. • 1-319-01318-X

This concise volume tells independent filmmakers exactly what they need to do to get their movie made and find the perfect audience, including how to: get a great cast; pitch the project to financiers; find the evidence to support your creative vision; work the festival circuit like a pro; and make your film incredibly attractive to distributors.

Organizational Communication covers the core theories and skills that organizational communication students need, sharing the very best of current scholarship, particularly on rapidly evolving topics like diversity, economics, and technology. Throughout, students put what they’re learning into practice, always considering both the enabling and constraining aspects of communication. Striking this balance between creativity and constraint helps people achieve their professional and personal goals.

Speak Up: An Illustrated Guide to Public Speaking
Fifth Edition
Douglas M. Fraleigh
California State University, Fresno
Joseph S. Tuman
San Francisco State University
©2020 • Paper, 768 pp. • 1-319-20812-6
Pub date: 09/17/2019

Written by professors with 40+ combined years’ experience teaching the course and a competitive background in debate, Speak Up! connects with students through lively writing, compelling real-life examples, practical guidance, and hundreds of custom-drawn illustrations that bring public speaking concepts to life. Instructors will appreciate the book’s serious coverage of concepts and theories, fascinating examples, and unique and often humorous illustrations that help students understand and retain concepts from the text.

This edition features new illustrations, in full color for the first time; an increased focus on civic engagement throughout; and an all-new version of our Speech Choices case study feature that leads students through all steps of the public speaking process.
With its distinctive personality and contemporary edge, *Speech Craft* engages students in the speechmaking process like no other textbook available. *Speech Craft* gets to the root of public speaking with purpose by opening students’ eyes to the power of speech in our world and speaking for change. No matter if students are giving a toast or are speaking to inform or to persuade, *Speech Craft*’s emphasis on speechmaking as community-building helps students connect public speaking to their own lives and find ways to make meaningful and ethical connections with their audiences.

*A Pocket Guide to Public Speaking, Sixth Edition*  
Dan O’Hair  
University of Kentucky  
Hannah Rubenstein  
Rob Stewart  
Texas Tech University  
©2019 • Spiral Bound, 336 pp. • 1-319-10278-6

This best-selling brief guide offers practical coverage of every topic typically covered in a full-sized text, from invention, research and organization, practice, and delivery, to the different speech types. Its concise, inexpensive format makes it perfect not only for the public speaking course, but also for any setting across the curriculum, on the job, or in the community.

*A Speaker’s Guidebook Seventh Edition*  
Dan O’Hair  
University of Kentucky  
Rob Stewart  
Texas Tech University  
Hannah Rubenstein  
©2018 • Spiral Bound, 560 pp. • 1-319-05941-4

*A Speaker’s Guidebook* is the best resource for public speaking in the classroom, on the job, and in the community. Praised for connecting with students who use it (and keep it!) year after year, this market leading tabbed, comb-bound text covers all the topics typically taught in the introductory course and is the easiest-to-use public speaking text available.

Douglas M. Fraleigh  
California State University, Fresno  
Joseph S. Tuman  
San Francisco State University  
Katherine L. Adams  
©2017 • Paper, 584 pp. • 1-4576-0601-1

*Let’s Communicate* is everything you want in a human communication text—substantive, engaging, and fun. The authors drawn on their combined 100 years’ worth of research and teaching experience to present all the basic human communication concepts with unique attention paid to technology, culture, gender, and social justice. Hundreds of often hilarious illustrations make complex ideas easier to understand.

*Choices & Connections: An Introduction to Communication* Third Edition  
Steven McCornack  
University of Alabama at Birmingham  
Joseph Ortiz  
Scottsdale Community College  
©2020 • Paper 560 pp. • 1-319-20116-4  
Pub date: 10/01/2019

*Choices & Connections* helps students integrate and apply the most current scholarly research through scenario activities, real-life situations, and pop-culture examples designed to recursively develop communication skills best learned through practice, in context. This edition has been extensively revised to represent all students’ perspectives. Major updates include heavily revised chapters on gender and culture, and on mediated communication.

*Reflect & Relate: An Introduction to Interpersonal Communication* Fifth Edition  
Steven McCornack  
University of Alabama at Birmingham  
Kelly Morrison  
University of Alabama at Birmingham  
©2019 • Paper 560 pp. • 1-319-10332-4

*Reflect & Relate* helps students develop the interpersonal communication skills needed to face life’s challenges, presenting the latest theory and research with learning tools that makes this scholarship easy to understand and apply. For this edition, McCornack teams up with the ideal co-author—his life partner, Professor Kelly Morrison.
Real Communication uses lively stories from real people to teach the theory and skills of human communication available today. Through a down-to-earth writing style, the authors incorporate the current scholarship to reflect the world we live in—from the challenges that arise with pervasive digital media to new ways for understanding listening goals.

This affordable, easy-to-use, comprehensive composition tool offers the quality you expect from authors you trust. This edition offers even more help for underprepared and inexperienced writers—sentence guides that foster an academic voice, tips for spotting fake news and misleading sources, more on paraphrasing, and fifteen new “how-to” pages that offer practical help for writing challenges.

By engaging students in conversations with key academic and cultural texts, Ways of Reading helps them develop the intellectual skills necessary for academic work. It mixes shorter, more accessible readings from a broader range of academic disciplines, helping students become better writers by becoming more engaged and critical readers.

With advice for finding, evaluating, and documenting sources, this handy spiral-bound pocket guide covers the essential information college students need for research assignments in more than 30 disciplines. Up-to-date documentation models guide students as they cite common sources and newer sources in the current editions of one of four documentation styles (MLA, APA, Chicago, and CSE).

Brief, practical, and affordable, The Art and Craft of Fiction gives aspiring writers all they need, in a friendly voice that students love. Michael Kardos focuses on technique and presents fiction writing as a teachable (and learnable) art. With an organization built on methods and process rather than traditional literary elements, Kardos helps students begin their stories, write strong scenes, use images and research detail, revise for aesthetics and mechanics, and finish and polish their own stories.
Elizabeth Losh
University of California, San Diego
Jonathan Alexander
University of California, Irvine
Kevin Cannon
Xander Cannon
©2017 • Paper, 352 pp. • 1-319-04213-9

Combining the composition know-how of Liz Losh and Jonathan Alexander with the comic art of Kevin Cannon (Far Arden, Crater XV) and Zander Cannon (Heck, Kaijumax), Understanding Rhetoric encourages deep engagement with core concepts of writing and rhetoric, using fun illustrations to help students put concepts to use in their own reading and writing.

NEW EDITION
The Everyday Writer, Seventh Edition
Andrea Lunsford
Stanford University
©2020 • Spiral Bound, 688 pp. • 1-319-13393-2
Pub date: 10/01/2019

Empowering and inspiring, Andrea Lunsford’s The Everyday Writer invites students to think rhetorically, communicate ethically, listen respectfully, experiment with language, and adopt openness as a habit of mind necessary for democracy. The new edition introduces chapters on college expectations and on language and identity as well as substantial new advice for reading and interrogating sources, seeking common ground with opponents, using varieties of English, and being open to new approaches in common academic genres. As always, Lunsford’s Top Twenty—now its own tabbed section—serves as a guide for building students’ confidence as editors of their own writing.

Practical Strategies for Technical Communication, Third Edition
Mike Markel
Boise State University
Stuart A. Selber
Pennsylvania State University
©2019 • Paper, 560 pp. • 1-319-10432-0

In Practical Strategies for Technical Communication, the authors give students the essentials they’ll need to communicate successfully in today’s workplace. The book offers concise yet thorough coverage of audience and purpose, research, style, and document design, and strategies for designing all of the major document types.

NEW EDITION
Susan Miller-Cochran
University of Arizona
Roy Stamper
North Carolina State University
Stacey Cochran
University of Arizona
©2019 • Paper, 684 pp. • 1-319-10399-5

An Insider’s Guide to Academic Writing is based on the best practices of a first-year composition program that has trained hundreds of teachers who have instructed thousands of students. It’s two books in one—an innovative rhetoric (available as its own book) and a thematic reader with readings from the disciplines

NEW EDITION
Habits of the Creative Mind, Second Edition
Richard E. Miller
Rutgers University
Ann Jurecic
Rutgers University
©2020 • Paper, 368 pp. • 1-319-10396-0
Pub date: 09/23/2019

In this refreshingly conversational volume, students will learn to trust and refine their own thinking and improve their writing—at all skill levels. They will have access to Miller and Jurecic’s unique approach to posing and exploring questions, and facing complexity—in which there are no limits to how far a student may go with his or her thinking and writing. And throughout, they will benefit from innovative, manageable exercises—which may be completed in any order—to help them along the way.

NEW EDITION
In Conversation, Second Edition
Mike Palmquist
Colorado State University
Barbara Walraff
©2020 • Spiral Bound, 544 pp. • 1-319-15777-7
Pub date: 09/23/2019

With a strong rhetorical foundation, In Conversation blends the comprehensive coverage and quick navigation of a pocket-size handbook with the guidance of a rhetoric. Students will see themselves in its vibrant visuals and real-world examples. The new edition of this approachable and affordable guidebook provides even more help for the kinds of writing students do in college, with new robust support for multilingual writers, new coverage of analytical writing, and a new appendix of sentence guides for academic writing.
More than ever, *Writing That Works* is the right choice for the most up-to-date coverage of business writing. Real-world model documents are grounded in their rhetorical contexts to guide students in navigating the increasingly complex world of business writing. Now in full-color, it again reflects the central role of technology in the office and the classroom, showcasing the most current types of business documents online and in print, providing succinct guidelines on selecting the appropriate medium for your document, communication, or presentation, and featuring new advice on creating a personal brand as part of a successful job search.

Instructors at hundreds of colleges and universities have turned to *How to Write Anything* for clear, focused writing advice that gives students just what they need, when they need it. And students love it—because John Ruszkiewicz's tone makes writing in any genre approachable, with a flexible, rhetorical framework for a range of common academic and real-world genres, and a reference with extra support for writing, research, design, style, and grammar.

Designed for all students in the introductory course, *The Practice of Creative Writing* teaches students how to harness their imaginations to focus and create stories. Heather Sellers, who writes in multiple genres herself, has developed an approach that focuses on the elements and strategies that produce good writing in any genre: Images; Energy; Tension; Pattern; Insight; and Revision.
Ways of the World is one of the most successful and innovative textbooks available for world history. It offers a brief-by-design narrative focusing on significant developments and broad historical themes and its own reader. With keen consideration of the needs of their audience, authors Robert W. Strayer and Eric W. Nelson provide an insightful, big picture synthesis that helps students discern what matters most in world history—patterns and variations on both global and regional levels and continuity and change over time. With the same personal touch, the authors guide students to consider primary and secondary source evidence the way historians do.

Updated to reflect the current edition of the Chicago Manual of Style, this guide provides comprehensive coverage of the historian's research process—from formulating a research question to finding, evaluating, and working with print and online sources. The book culminates with a model student research paper and a series of appendices that point students to the most helpful research resources.
# INDEX

<table>
<thead>
<tr>
<th>Letter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Abnormal Psychology, 10e, Comer</td>
<td>26</td>
</tr>
<tr>
<td>A</td>
<td>Abnormal Psychology, 2e, Rosenberg and Kosslyn</td>
<td>26</td>
</tr>
<tr>
<td>A</td>
<td>ADVOCAT. Julien's A Primer of Drug Action, 14e</td>
<td>28</td>
</tr>
<tr>
<td>A</td>
<td>ALWAN. Practice of Statistics for Business and Economics, The, 5e</td>
<td>19</td>
</tr>
<tr>
<td>A</td>
<td>Analysis of Biological Data, 3e, Whitlock</td>
<td>7</td>
</tr>
<tr>
<td>A</td>
<td>ANDERSON. Cognitive Psychology and Its Implications, 9e</td>
<td>27</td>
</tr>
<tr>
<td>A</td>
<td>ANDERSON. Survey of Economics, 1e</td>
<td>12</td>
</tr>
<tr>
<td>A</td>
<td>Anatomy of Film, 12e, Dick</td>
<td>33</td>
</tr>
<tr>
<td>A</td>
<td>ARONSON. Readings About the Social Animal, 12e,</td>
<td>27</td>
</tr>
<tr>
<td>A</td>
<td>ARONSON. Social Animal, The, 12e</td>
<td>26</td>
</tr>
<tr>
<td>A</td>
<td>Art and Craft of Fiction, The, 2e, Kardos</td>
<td>35</td>
</tr>
<tr>
<td>A</td>
<td>ATKINS. Chemical Principles, 7e</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>BAIRD. Environmental Chemistry, 5e</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>BALDI. Practice of Statistics in the Life Sciences, The, 4e</td>
<td>19</td>
</tr>
<tr>
<td>B</td>
<td>BANDURA. Moral Disengagement, 1e</td>
<td>26</td>
</tr>
<tr>
<td>B</td>
<td>BARTHOLOMAE. Ways of Reading, 12e</td>
<td>35</td>
</tr>
<tr>
<td>B</td>
<td>Basic Practice of Statistics, The, 8e, Moore</td>
<td>18</td>
</tr>
<tr>
<td>B</td>
<td>Becoming a College Writer, 1e, Taylor</td>
<td>37</td>
</tr>
<tr>
<td>B</td>
<td>Bedford Handbook, The, 11e, Hacker &amp; Sommer</td>
<td>35</td>
</tr>
<tr>
<td>B</td>
<td>Behavioral Genetics, 7e, Knopik et al.</td>
<td>28</td>
</tr>
<tr>
<td>B</td>
<td>BELSKY. Experiencing Childhood and Adolescence, 1e</td>
<td>24</td>
</tr>
<tr>
<td>B</td>
<td>BELSKY. Experiencing the Lifespan, 5e</td>
<td>25</td>
</tr>
<tr>
<td>B</td>
<td>BENJAMIN. A Student's Guide to History, 14e</td>
<td>38</td>
</tr>
<tr>
<td>B</td>
<td>BERG. Biochemistry, 9e</td>
<td>8</td>
</tr>
<tr>
<td>B</td>
<td>BERGER. Developing Person Through Childhood, The, 8e</td>
<td>24</td>
</tr>
<tr>
<td>B</td>
<td>BERGER. Developing Person Through Childhood and Adolescence, The, 11e</td>
<td>24</td>
</tr>
<tr>
<td>B</td>
<td>BERGER. Developing Person Through the Life Span, The, 10e</td>
<td>25</td>
</tr>
<tr>
<td>B</td>
<td>BERGER. Invitation to the Life Span, 4e</td>
<td>25</td>
</tr>
<tr>
<td>B</td>
<td>BIERMAN. Key Concepts in Geomorphology, 2e</td>
<td>15</td>
</tr>
<tr>
<td>B</td>
<td>Biochemistry, 9e, Berg et al.</td>
<td>8</td>
</tr>
<tr>
<td>B</td>
<td>Biochemistry: A Short Course, 4e, Tymoczko et al</td>
<td>8</td>
</tr>
<tr>
<td>B</td>
<td>Biological Physics, 1e, Nelson</td>
<td>21</td>
</tr>
<tr>
<td>B</td>
<td>Biology: How Life Works, 3e, Morris et al.</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>BURNS. Psychology of Sex and Gender, 1e</td>
<td>30</td>
</tr>
<tr>
<td>C</td>
<td>Calculus, 1e, Taalman</td>
<td>17</td>
</tr>
<tr>
<td>C</td>
<td>Calculus, 4e, Rogawski et al.</td>
<td>17</td>
</tr>
<tr>
<td>C</td>
<td>Calculus: Early Transcendentals, 2e, Sullivan and Miranda</td>
<td>17</td>
</tr>
<tr>
<td>C</td>
<td>Calculus: Early Transcendentals, 4e, Rogawski et al.</td>
<td>17</td>
</tr>
<tr>
<td>C</td>
<td>CAMPBELL. Media and Culture, 12e</td>
<td>32</td>
</tr>
<tr>
<td>C</td>
<td>CAMPBELL. Media Essentials, 5e</td>
<td>32</td>
</tr>
<tr>
<td>C</td>
<td>CERVONE. Psychology: Science of Person, Mind and Brain, The, 1e</td>
<td>24</td>
</tr>
<tr>
<td>C</td>
<td>Chemical Principles: The Quest for Insight, 7e, Atkins and Jones</td>
<td>9</td>
</tr>
<tr>
<td>C</td>
<td>CHIANG. Economics for a Changing World, 5e</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>CHIANG. Macroeconomics for a Changing World, 5e</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>CHIANG. Microeconomics for a Changing World, 5e</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>Choices &amp; Connections, 3e, McCormack &amp; Ortiz</td>
<td>34</td>
</tr>
<tr>
<td>C</td>
<td>Cognitive Psychology and Its Implications, 9e, Anderson</td>
<td>27</td>
</tr>
<tr>
<td>C</td>
<td>College Physics, 2e, Freedman</td>
<td>20</td>
</tr>
<tr>
<td>C</td>
<td>College Physics for the AP® Physics 1 Course, 2e, Stewart et al.</td>
<td>20</td>
</tr>
<tr>
<td>C</td>
<td>COMER. Abnormal Psychology, 10e</td>
<td>26</td>
</tr>
<tr>
<td>C</td>
<td>COMER. Fundamentals of Abnormal Psychology, 9e</td>
<td>26</td>
</tr>
<tr>
<td>C</td>
<td>COMINS. Discovering the Essential Universe 6e</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>COMINS. Discovering the Universe, 11e</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Connections, 2e, Gore et al.</td>
<td>31</td>
</tr>
<tr>
<td>C</td>
<td>Conservation Science, 2e, Kareiva and Marvier</td>
<td>14</td>
</tr>
<tr>
<td>C</td>
<td>Contemporary Human Geography, 2e, Neumann and Price</td>
<td>16</td>
</tr>
<tr>
<td>C</td>
<td>CORRIGAN. The Film Experience, 5e</td>
<td>32</td>
</tr>
<tr>
<td>C</td>
<td>CORTY. Using and Interpreting Statistics, 3e</td>
<td>29</td>
</tr>
<tr>
<td>C</td>
<td>COWEN. Modern Principles of Economics, 4e</td>
<td>12</td>
</tr>
<tr>
<td>D</td>
<td>Descriptive Inorganic Chemistry 6e, Rayner-Canham and Overton</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Developing Person Through Childhood 8e, The, Berger</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Developing Person Through Childhood and Adolescence, The, 11e, Berger</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discovering GIS and ArcGIS, 2e, Shellito</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discovering the Essential Universe 6e, Comins</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discovering the Scientist Within, 2e, Lewandowski et al.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discovering the Universe, 11e, Comins</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Earth System History, 4e, Stanley and Luczaj</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Earth’s Climate: Past and Future, 3e, Ruddiman</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Earth Transformed, 1e, Ruddiman</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ecology: Economy of Nature, The, 8e, Relyea and Ricklefs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economic Principles: A Business Perspective, 1e, Rubb and Sumner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics, 5e, Krugman and Wells</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics for a Changing World, 5e, Chiang</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics of Education, 1e, Lovenheim and Turner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EISENBERG. Organizational Communication, 8e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMLEN. Evolution: Making Sense of Life, 3e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environment: Science, Issues, Solutions, 1e, Molles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental Chemistry, 5e, Baird</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental Geology, 2e, Merritts, et al.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental Science for the AP® Course, 3e, Friedland and Relyea</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Essentials of Economics, 5e, Krugman et al.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Essentials of General, Organic and Biochemistry 3e, Guinn</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Essentials of Statistics for the Behavioral Sciences, 4e, Nolan and Heinzew</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EVERT. Raven Biology of Plants, 8e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experiencing Childhood and Adolescence, 1e, Belsky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experiencing the Lifespan, 5e, Belsky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exploring Chemical Analysis, 5e, Harris</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>FEENSTRA. International Economics, 4e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FEENSTRA. International Macroeconomics, 4e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FEENSTRA. International Trade, 4e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Field Guide to Economics for Conservationists, 1e, Fisher et al.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Film Experience, The, 5e, Corrigan and White</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Filmmaking in Action, 1e, Leipzig et al.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FISHER. A Field Guide to Economics for Conservationists, 1e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FRALEIGH. Let’s Communicate, 1e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FRALEIGH. Speak Up, 5e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FREEDMAN. College Physics, 2e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FRIEDLAND. Environmental Science for the AP® Course, 3e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fundamentals of Abnormal Psychology, 9e, Comer and Comer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fundamentals of Human Neuropsychology, 7e, Kolb and Whishaw</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>GARDNER. Understanding Your College Success, 3e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GARDNER. Your College Success, 13e</td>
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<td>Habits of the Creative Mind, 2e, Miller &amp; Jureic</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>HACKER. Bedford Handbook, The, 11e</td>
<td>35</td>
<td></td>
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<tr>
<td>HACKER. Research and Documentation in the Digital Age, 7e</td>
<td>35</td>
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<tr>
<td>HACKER. Rules for Writers, 8e</td>
<td>10</td>
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<tr>
<td>HARRIS. Exploring Chemical Analysis, 5e</td>
<td>10</td>
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<tr>
<td>HARRIS. Quantitative Chemical Analysis, 10e</td>
<td>10</td>
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<tr>
<td>Health Psychology, 6e, Straub</td>
<td>30</td>
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<td>HILLIS. Life: Science of Biology, The, 12e</td>
<td>4</td>
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<td>HILLIS. Principles of Life, 3e</td>
<td>4</td>
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<tr>
<td>History of World Societies, A, 11e, Wiesner-Hanks et al.</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>HOCKENBURY. Psychology, 8e</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>HOLT, Linear Algebra with Applications, 2e</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>How Children Develop, 6e, Siegler et al.</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>How to Write Anything, 4e, Ruszkewicz and Dolmage</td>
<td>37</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>I</strong></th>
<th></th>
</tr>
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<tbody>
<tr>
<td>In Conversation, 2e, Palmquist and Walraff</td>
<td>36</td>
</tr>
<tr>
<td>Industrial/Organizational Psychology, 6e, Levy</td>
<td>30</td>
</tr>
<tr>
<td>Inside Track for Independent Filmmakers, 1e, Leipzig et al.</td>
<td>33</td>
</tr>
<tr>
<td>Insider’s Guide to Academic Writing, An, 2e, Miller-Cochran et al.</td>
<td>36</td>
</tr>
<tr>
<td>International Economics, 4e, Feenstra and Taylor</td>
<td>11</td>
</tr>
<tr>
<td>International Macroeconomics, 4e, Feenstra and Taylor</td>
<td>11</td>
</tr>
<tr>
<td>International Trade, 4e, Feenstra and Taylor</td>
<td>11</td>
</tr>
<tr>
<td>Introducing Psychology, 4e, Schacter et al.</td>
<td>22</td>
</tr>
<tr>
<td>Introduction to Brain and Behavior, 6e, Kolb et al.</td>
<td>28</td>
</tr>
<tr>
<td>Introduction to Fourier Optics, 4e, Goodman</td>
<td>21</td>
</tr>
<tr>
<td>Introduction to Geospatial Technologies, 5e, Shellito</td>
<td>16</td>
</tr>
<tr>
<td>Introduction to Genetic Analysis, 12e, Griffiths et al.</td>
<td>6</td>
</tr>
<tr>
<td>Introduction to the Practice of Statistics, 9e, Moore et al.</td>
<td>18</td>
</tr>
<tr>
<td>Introduction to Probability, 1e, Ward and Gundlach</td>
<td>19</td>
</tr>
<tr>
<td>Introductory Statistics, 3e, Kokoska</td>
<td>18</td>
</tr>
<tr>
<td>Investigating Chemistry, 4e, Johll</td>
<td>9</td>
</tr>
<tr>
<td>Invitation to the Life Span, 4e, Berger</td>
<td>25</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
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<tbody>
<tr>
<td>JOHLL. Investigating Chemistry, 4e</td>
<td>9</td>
</tr>
<tr>
<td>Julien’s Primer of Drug Action, A, 14e, Advocat</td>
<td>28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>K</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>KARDOS. The Art and Craft of Fiction, 2e</td>
<td>35</td>
</tr>
<tr>
<td>KARIEVA. Conservation Science, 2e</td>
<td>14</td>
</tr>
<tr>
<td>KESTEN. University Physics, Vol 1</td>
<td>20</td>
</tr>
<tr>
<td>KESTEN. University Physics, Vol 2</td>
<td>20</td>
</tr>
<tr>
<td>Key Concepts in Geomorphology, 2e, Bierman and Montgomery</td>
<td>15</td>
</tr>
<tr>
<td>KNOPK. Behavioral Genetics, 7e</td>
<td>28</td>
</tr>
<tr>
<td>KOKOSKA. Introductory Statistics, 3e</td>
<td>18</td>
</tr>
<tr>
<td>KOLB. Fundamentals of Human Neuropsychology, 7e</td>
<td>28</td>
</tr>
<tr>
<td>KOLB. Introduction to Brain and Behavior, 6e</td>
<td>28</td>
</tr>
<tr>
<td>KRUGMAN. Essentials of Economics, 5e</td>
<td>12</td>
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<tr>
<td>KRUGMAN. Economics, 5e</td>
<td>11</td>
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<tr>
<td>KRUGMAN. Macroeconomics, 5e</td>
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<td>KRUGMAN. Microeconomics, 5e</td>
<td>11</td>
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<td>Krugman’s Economics for AP®, 3e, Ray and Anderson</td>
<td>13</td>
</tr>
<tr>
<td>Krugman’s Macroeconomics for AP®, 3e, Ray and Anderson</td>
<td>13</td>
</tr>
<tr>
<td>Kuby Immunology, 8e, Punt et al.</td>
<td>6</td>
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</tbody>
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</thead>
<tbody>
<tr>
<td>Laboratory Techniques in Organic Chemistry, 4e, Mohrig</td>
<td>10</td>
</tr>
<tr>
<td>Learning and Memory, 4e, Gluck et al.</td>
<td>28</td>
</tr>
<tr>
<td>Lehninger Principles of Biochemistry, 7e, Nelson and Cox</td>
<td>8</td>
</tr>
<tr>
<td>LEIPZIG. Filmmaking in Action, 1e</td>
<td>33</td>
</tr>
<tr>
<td>LEIPZIG. Inside Track for Independent Filmmakers, 1e</td>
<td>33</td>
</tr>
<tr>
<td>Let’s Communicate, 1e, Fraleigh et al.</td>
<td>34</td>
</tr>
<tr>
<td>LEVY. Industrial/Organizational Psychology, 6e</td>
<td>30</td>
</tr>
<tr>
<td>LEWANDOWSKI. Discovering the Scientist Within, 2e</td>
<td>29</td>
</tr>
<tr>
<td>Life: Science of Biology, The, 12e, Hillis et al.</td>
<td>4</td>
</tr>
<tr>
<td>Linear Algebra with Applications, 2e, Holt</td>
<td>17</td>
</tr>
<tr>
<td>Living Physical Geography, 2e, Gervais</td>
<td>16</td>
</tr>
<tr>
<td>LODISH. Molecular Cell Biology, 8e</td>
<td>6</td>
</tr>
<tr>
<td>LODISH. Understanding Rhetoric, 2e</td>
<td>36</td>
</tr>
<tr>
<td>LOUDON. Organic Chemistry, 6e</td>
<td>9</td>
</tr>
<tr>
<td>LOVENHEIM. Economics of Education, 1e</td>
<td>13</td>
</tr>
<tr>
<td>LUNSFO. The Everyday Writer, 7e</td>
<td>36</td>
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<td>NELSON. Biological Physics</td>
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<td>NELSON. Lehniger Principles of Biochemistry, 7e</td>
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<td>Macroeconomics, 1e, Rubb and Sumner</td>
<td>NEUMANN. Contemporary Human Geography, 2e</td>
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<td>Macroeconomics for a Changing World, 5e, Chiang</td>
<td>News Reporting and Writing, 13e, The Missouri Group</td>
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<td>NOLAN. Essentials of Statistics for the Behavioral Sciences, 4e</td>
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<td>MARKEL. Practical Strategies for Technical Communication, 3e</td>
<td>NOLAN. Statistics for the Behavioral Sciences, 5e</td>
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<td>Mathematical Structures for Computer Science, 7e, Gersting</td>
<td>O’HAIR. Real Communication, 4e</td>
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<td>MCCORACK. Choices and Connections, 3e</td>
<td>O’HAIR. A Pocket Guide to Public Speaking, 6e</td>
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<td>O’HAIR. A Speaker’s Guidebook, 7e</td>
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<td>MCMURRY. Organic Chemistry of Biological Pathways, 2e</td>
<td>OLIU. Writing that Works, 13e</td>
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<td>Media and Culture, 12e, Campbell et al.</td>
<td>Organic Chemistry, 6e, Loudon</td>
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<td>Media Essentials, 5e, Campbell</td>
<td>Organic Chemistry of Biological Pathways, 2e, McMurry and Begley</td>
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<td>MERRITTS. Environmental Geology, 2e</td>
<td>Organic Chemistry: Structure and Function, 8e, Vollhardt and Schore</td>
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<td>Microeconomics, 3e, Goolsbee et al.</td>
<td>Organizational Communication, 8e, Eisenberg</td>
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<td>Microeconomics, 5e, Krugman and Wells</td>
<td>O’HAIR. Real Communication, 4e</td>
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<td>Organic Chemistry, 6e, Loudon</td>
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<td>Organic Chemistry of Biological Pathways, 2e, McMurry and Begley</td>
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<td>Organic Chemistry: Structure and Function, 8e, Vollhardt and Schore</td>
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<td>Organizational Communication, 8e, Eisenberg</td>
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<td>O’HAIR. Real Communication, 4e</td>
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<td>Organizational Communication, 8e, Eisenberg</td>
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<td>O’HAIR. Real Communication, 4e</td>
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<td>Molecular Cell Biology, 8e, Lodish et al.</td>
<td>OLIU. Writing that Works, 13e</td>
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<td>MOLLES. Environment: Science, Issues, Solutions, 1e</td>
<td>Organic Chemistry, 6e, Loudon</td>
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<td>MOORE. Basic Practice of Statistics, The, 8e</td>
<td>Organic Chemistry of Biological Pathways, 2e, McMurry and Begley</td>
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<td>MOORE. Statistics: Concepts and Controversies, 10e</td>
<td>Organizational Communication, 8e, Eisenberg</td>
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<td>Moral Disengagement, 1e, Bandura</td>
<td>O’HAIR. Real Communication, 4e</td>
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<tr>
<td>MORRIS. Biology: How Life Works, 3e</td>
<td>OLIU. Writing that Works, 13e</td>
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<td>My Psychology, 2e, Pomerantz</td>
<td>Organic Chemistry, 6e, Loudon</td>
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<td>MYERS. Exploring Psychology, 11e</td>
<td>Organic Chemistry of Biological Pathways, 2e, McMurry and Begley</td>
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<td>MYERS. Psychology, 12e</td>
<td>Organic Chemistry: Structure and Function, 8e, Vollhardt and Schore</td>
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<tr>
<td>MYERS. Psychology in Everyday Life, 5e</td>
<td>Organizational Communication, 8e, Eisenberg</td>
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<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Quantitative Chemical Analysis, 10e, Harris and Lucy</td>
<td>R. Raven and L. E. Hall</td>
</tr>
<tr>
<td>10</td>
<td>Raven Biology of Plants, 8e, Evert et al.</td>
<td>J. R. Raven and J. E. Evert the et al.</td>
</tr>
<tr>
<td>11</td>
<td>Ray. Krugman's Economics for AP®️, 3e</td>
<td>J. Krugman</td>
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<tr>
<td>12</td>
<td>Ray. Krugman's Macroeconomics for AP®️, 3e</td>
<td>J. Krugman</td>
</tr>
<tr>
<td>13</td>
<td>Rayner-Canham. Descriptive Inorganic Chemistry 6e</td>
<td>J. Rayner-Canham</td>
</tr>
<tr>
<td>14</td>
<td>Readings About the Social Animal, 12e, Aronson and A. Aronson</td>
<td>J. Aronson and A. Aronson</td>
</tr>
<tr>
<td>15</td>
<td>Real Communication, 4e, O’Hair et al.</td>
<td>L. O’Hair and J. R. O’Hair et al.</td>
</tr>
<tr>
<td>16</td>
<td>Reflect &amp; Relate, 5e, McCormack and Morrison</td>
<td>J. McCormack and J. M. Morrison</td>
</tr>
<tr>
<td>17</td>
<td>RELYEA. Ecology: The Economy of Nature, The, 8e</td>
<td>L. RELYEA</td>
</tr>
<tr>
<td>18</td>
<td>Research and Documentation in the Digital Age, 7e, Hacker and Sommers</td>
<td>J. Hacker and A. Sommers</td>
</tr>
<tr>
<td>19</td>
<td>Rogawski. Calculus, 4e</td>
<td>J. Rogawski</td>
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<tr>
<td>20</td>
<td>Rogawski. Calculus: Early Transcendentals, 4e</td>
<td>J. Rogawski</td>
</tr>
<tr>
<td>21</td>
<td>ROSENBERG. Abnormal Psychology, 2e</td>
<td>N. ROSENBERG</td>
</tr>
<tr>
<td>25</td>
<td>Ruddiman. Earth’s Climate, 3e</td>
<td>C. Ruddiman</td>
</tr>
<tr>
<td>26</td>
<td>Ruddiman. Earth Transformed, 1e</td>
<td>C. Ruddiman</td>
</tr>
<tr>
<td>27</td>
<td>Rules for Writers, 8e, Hacker and Sommers</td>
<td>J. Hacker and A. Sommers</td>
</tr>
<tr>
<td>28</td>
<td>Ruszkiewicz. How to Write Anything, 4e</td>
<td>J. Ruszkiewicz</td>
</tr>
<tr>
<td>29</td>
<td>Sensation and Perception, 2e. Yantis</td>
<td>P. H. Sensation and Y. Yantis</td>
</tr>
<tr>
<td>30</td>
<td>SELLERS. The Practice of Creative Writing, 4e</td>
<td>J. SELLERS</td>
</tr>
<tr>
<td>31</td>
<td>Sensation and Perception, 2e. Yantis</td>
<td>P. H. Sensation and Y. Yantis</td>
</tr>
<tr>
<td>32</td>
<td>SHELLITO. Discovering GIS and ArcGIS, 2e</td>
<td>J. SHELLITO</td>
</tr>
<tr>
<td>33</td>
<td>SHELLITO. Introduction to Geospatial Technologies, 5e</td>
<td>J. SHELLITO</td>
</tr>
<tr>
<td>36</td>
<td>SPEECH. The Practice of Creative Writing, 4e</td>
<td>J. SPEECH</td>
</tr>
<tr>
<td>37</td>
<td>Speaking and Listening, 4e</td>
<td>J. SPEECH</td>
</tr>
<tr>
<td>38</td>
<td>Statistics for Behavioral Science, 5e, Nolan and Heinzen</td>
<td>J. Nolan and J. Heinzen</td>
</tr>
<tr>
<td>40</td>
<td>STEVENSON. Principles of Economics, 1e</td>
<td>J. STEVENSON</td>
</tr>
<tr>
<td>41</td>
<td>STEVENSON. Principles of Macroeconomics, 1e</td>
<td>J. STEVENSON</td>
</tr>
<tr>
<td>42</td>
<td>STEVENSON. Principles of Microeconomics, 1e</td>
<td>J. STEVENSON</td>
</tr>
<tr>
<td>43</td>
<td>STEWART. College Physics for the AP®️ Physics 1 Course, 2e</td>
<td>J. STEWART</td>
</tr>
<tr>
<td>44</td>
<td>STRAUB. Health Psychology, 6e</td>
<td>J. Straub</td>
</tr>
<tr>
<td>45</td>
<td>STRAYER. Ways of the World, 4e</td>
<td>J. STAYER</td>
</tr>
<tr>
<td>47</td>
<td>Survey of Economics, 1e, Anderson</td>
<td>J. Survey of Economics, 1e, Anderson</td>
</tr>
<tr>
<td>48</td>
<td>T. Taalman. Calculus, 1e</td>
<td>J. T. Taalman</td>
</tr>
<tr>
<td>49</td>
<td>TAYLOR. Becoming a College Writer, 1e</td>
<td>J. TAYLOR</td>
</tr>
<tr>
<td>50</td>
<td>Theories of Developmental Psychology, 6e, Miller</td>
<td>J. Theories of Developmental Psychology, 6e,</td>
</tr>
<tr>
<td>51</td>
<td>TIPLER. Physics for Scientists and Engineers, 6e</td>
<td>J. TIPLER</td>
</tr>
<tr>
<td>52</td>
<td>21st Century Chemistry, 2e, Waldron</td>
<td>J. 21st Century Chemistry, 2e, Waldron</td>
</tr>
<tr>
<td>53</td>
<td>TYMOCZKO. Biochemistry: A Short Course, 4e</td>
<td>J. TYMOCZKO</td>
</tr>
<tr>
<td>54</td>
<td>Understanding Earth, 8e, Grotzinger et al.</td>
<td>J. Understanding Earth, 8e, Grotzinger et al.</td>
</tr>
<tr>
<td>55</td>
<td>Understanding Rhetoric, 2e, Losh et al.</td>
<td>J. Understanding Rhetoric, 2e, Losh et al.</td>
</tr>
<tr>
<td>56</td>
<td>Understanding Your College Experience, 3e, Gardner and Barefoot</td>
<td>J. Understanding Your College Experience, 3e,</td>
</tr>
<tr>
<td>58</td>
<td>Universe: Stars and Galaxies, 6e, Geller et al.</td>
<td>J. Universe: Stars and Galaxies, 6e, Geller</td>
</tr>
<tr>
<td>59</td>
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