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College Accounting
1st Edition
Jerry J. Weygandt, Paul D. Kimmell, Deanna C. Martin & Jill E. Mitchell

The next generation of WileyPLUS gives you the freedom and flexibility to tailor college accounting content and easily manage your course in order to keep students engaged and on track.

College Accounting provides the beginning accounting student with the fundamentals of financial accounting through clear, concise, and easy-to-read text with examples and practice opportunities along the way. Combining the expertise of successful authors Paul Kimmel and Jerry Weygandt and the perspectives of two community colleges professors, DeAnna Martin and Jill Mitchell, this resource is the perfect blend of solid, time-tested content and a new streamlined design and media that help students grasp difficult concepts.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos that relate to the specific objective

Customized Content
Using the content editor, you can add your own videos, documents, cases, practice sets, or relevant links to keep students motivated.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Practice Made Simple
Algorithmic brief exercises, DO It exercises, and problems available outside of instructor assignments provide opportunities for no-stakes practice and show answers and solutions as students check their work.

What’s Inside

Narrated Interactive Tutorials: These mobile-friendly tutorials are available for every single learning objective provide students with an enhanced, mobile-friendly experience that allows students to navigate by subtopic in order to review the content they find most challenging.

Animations make learning fun and engaging: Short animated videos engage students and simplify major concepts in the book, making the concepts easier to understand. They offer an alternative approach to understanding the written material.

Videos reinforce concepts and help sharpen problem-solving skills: Solution Walkthrough Videos are available as question assistance and help students learn problem-solving techniques. These videos walk students through solutions step-by-step and are based on the most regularly assigned exercises and problems in the text.

Financial literacy videos address how basic accounting and finance-related issues are addressed in day-to-day life.
Auditing
A Practical Approach with Data Analytics, 1st Edition
Raymond N. Johnson & Laura Davis Wiley

The next generation of WileyPLUS gives you the freedom and flexibility to tailor content and easily manage your course in order to keep students engaged and on track.

The explosion of data analytics in the auditing profession demands a different kind of auditor. Auditing: A Practical Approach with Data Analytics prepares students for the rapidly changing demands of the auditing profession by meeting the data-driven requirements of today’s workforce. Because no two audits are alike, this course uses a practical, case-based approach to help students develop professional judgement, think critically about the auditing process, and develop the decision-making skills necessary to perform a real-world audit. To further prepare students for the profession, Johnson's Auditing course integrates seamless exam review for successful completion of the CPA Exam.

Data Analytics

Data Analytics is incorporated throughout the course in response to the changing demands of the auditing profession. An entire data analytics chapter also helps students understand and apply their learning in a professional environment.

Progressive Case-based Learning

Cloud 9, a continuous case, runs through the body of all chapters. Four additional cases are included in the end-of-chapter material to reinforce critical thinking.

CPA Exam Prep

 Seamlessly integrated practice and assessment available for every chapter through CPAexcel, including assignable task-based simulations, video content and sample test questions.

Adaptive Practice

Provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve information retention better than re-reading or reviewing the material, and students adaptive practice to prepare for exams do significantly better than those who do not.

Features Include

Practical Approach: In addition to providing all the tools and discussions students need to understand and apply auditing, students are exposed to examples and issues encountered by professionals in today’s auditing environment. Real-world scenarios are presented in homework problems and throughout the text using:

- Audit Reasoning Examples
- Professional Environment Discussions
- Working Papers
- Ethics Discussions

Audit Decision Making: Each chapter ends with an audit decision making example that illustrates a more complex issue out of the chapter. The audit decision making examples teach students to identify the audit issue, gather information and evidence, analyze and evaluate alternatives, and draw conclusions.

Distinct Visual Assets: The four-color accessible design including support graphs, figures and illustrations cleanly demonstrates how an audit is conducted in practice.
Financial Accounting
Tools for Business Decision Making, 9th Edition
Paul D. Kimmel, Jerry J. Weygandt & Donald E. Kieso

The next generation of WileyPLUS gives you the freedom and flexibility to tailor financial accounting content and easily manage your course in order to keep students engaged and on track.

Financial Accounting: Tools for Business Decision Making, 9th Edition provides a simple and practical introduction to financial accounting. This resource explains the concepts students need to know, while also emphasizing the importance of decision making. In this new edition, all content has been carefully reviewed and revised to ensure maximum student understanding.

Data Analytics prepares students for the changing profession.

With the emergence of data analytics transforming the accounting profession, this course includes a new data analytics module with industry-validated content that prepares students for the CPA Exam and the changing workforce.

Solution Walkthrough Videos help students learn problem-solving techniques.

Based on exercises and problems similar to some of the most highly assigned problems in the text, these Solution Walkthrough Videos guide students step-by-step through the material they need to know.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Students experience real-world problem solving.

A new problem design for all assessment and practice questions gives students a clean, blank-sheet-of-paper interface. Improved navigation and a more modern design provide students with a more simplified, real-world experience.

Mobile-friendly interactive tutorials are ideal for students on the go.

The popular Interactive Tutorials have been redesigned in an enhanced, mobile-friendly learning environment, giving students the opportunity to study anytime, anywhere.

Features Include

NEW Interactive Tutorials: The popular Interactive Tutorials are responsively designed to fit nearly on all screens, giving students the opportunity to study anytime, anywhere, and they are ADA compliant.

NEW Revised Test Bank: With 30% new or revised content, the test bank makes it easier for instructors to tailor examinations according to multiple learning outcomes.

NEW Excel Function Videos Related to Data Analytics: Data Analytics is a hot topic in accounting, and these videos help students learn the competencies they need to be successful in their careers.

NEW Updated Illustrations: These illustrations show cash flow, balance sheet, and income statement effects of transactions.

DO IT! Exercises: Found in the body of the text, these exercises prompt students to stop and review key concepts. They outline the Action Plan necessary to complete the exercise as well as show a detailed solution.
Intermediate Accounting
17th Edition
Donald E. Kieso, Jerry J. Weygandt & Terry D. Warfield

The next generation of WileyPLUS gives you the freedom and flexibility to tailor intermediate accounting content and easily manage your course in order to keep students engaged and on track.

As industry thought leaders, Kieso, Weygandt and Warfield developed Intermediate Accounting on one simple proposition: create great accountants. Upholding industry standards, the 17th edition incorporates new data analytics content and up-to-date coverage of leases, revenue recognition, financial instruments, US GAAP & IFRS. While maintaining its reputation for accuracy, comprehensiveness and accessibility, Kieso drives results by helping students build professional competencies through reliable problem material. The 17th edition also offers integrated Task Based Simulations and CPA exam review content to better prepare students for success on the exam and in their accounting careers. From the classroom to the boardroom, Kieso is the most trusted, globally recognized innovator in accounting education.

Data Analytics prepares students for the changing profession.

In partnership with the Business-Higher Education Forum (BHEF), the next generation of WileyPLUS introduces students to an accounting specific data analytics module with interactive lessons, case studies, and videos to help students develop the professional competencies they need to be successful in their careers.

The accounting cycle is continually reinforced.

Assignable Chapter 0 offers adaptive review and practice of each stage of the accounting cycle with reading content, exercises, and problems to provide additional opportunities for both granular and comprehensive accounting cycle practice.

Integrated CPA Exam review prepares students for success.

 Seamlessly integrated practice and assessment is available for every chapter through CPAexcel, including assignable task-based simulations, video content, and more than 1000 FAR-related sample test questions presented in the exam userface.

Career-focused resources bridge the gap between course content and the profession.

Students can search for internships and entry-level accounting positions with Accountingfly and access career, resume, and interviewing advice from career coaches via InsideTrack.

Multimedia homework assistance reaches all types of learners.

Terry Warfield, along with additional subject matter experts, provide over 100 Solution Walkthrough Videos. These videos align with the most important intermediate accounting concepts and help students answer problems that are similar to ones they will encounter in their homework assignments.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.
Intermediate Accounting, Volume 1
12th Canadian Edition
Donald E. Kieso, Jerry J. Weygandt, Terry D. Warfield, Irene M. Wiecek & Bruce J. McConomy

The next generation of WileyPLUS gives you the freedom and flexibility to tailor intermediate accounting content and easily manage your course in order to keep students engaged and on track.

Intermediate Accounting continues to be the number one intermediate accounting product in the Canadian market. Viewed as the most reliable resource by accounting students, faculty, and professionals, this product helps students understand, prepare, and use financial information by linking education with the real-world accounting environment.

Data Analytics prepares students for the changing profession.

In partnership with the Business-Higher Education Forum (BHEF), the next generation of WileyPLUS introduces students to an accounting specific data analytics module with interactive lessons, case studies, and videos to help students develop the professional competencies they need to be successful in their careers.

New Analytics in Action:

To highlight examples where accounting information is used to support business decision making using data analytics, we have introduced a new Analytics in Action End of Chapter Activity. Students will work through online case analyses (with datasets)--which illustrate within a realistic context how the accounting information studied in a particular chapter is relevant to predictive analytics.

The Accounting Cycle is continually reinforced.

Assignable Chapter 0, a review of the accounting cycle, allows students to refresh their knowledge with reading content, interactive tutorials, and adaptive practice questions. Assignments are also available for exercises, brief exercises, and problems for both granular and comprehensive accounting cycle practice.

Videos help students reinforce concepts and build upon their skills.

NEW Solution Walkthrough Lightboard Videos Offer 24/hour Assistance for Students: The videos align with end of chapter content and are available as question assistance as students work through problems in WileyPLUS.

Office Hour Videos: These videos discuss and further explain selected core concepts and problems to increase student comprehension.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.
Contemporary Business
18th Edition
Louis E. Boone, David L. Kurtz & Susan Berston

The new WileyPLUS gives you the freedom and flexibility to tailor introduction to business content and easily manage your course in order to keep students engaged and on track.

*Contemporary Business, 18e* is a student friendly, engaging product designed to attract students to the field of business. Boone 18e offers a comprehensive approach to the material that will cater to a wide variety of students with different learning needs. Up to date content is vital to any Intro to Business course and Boone 18e with its contemporary style, wealth of new examples, and hot business topics can deliver that currency. With its many high-quality assets and variety of new and unique videos, instructors can choose what they want to use and customize their course. Instructors can also upload their own content, making sure the course remains relevant.

**Linear Design and Organization**

Customizable modules organized by learning objective include eTextbook content and videos.

**High quality, professionally developed videos**

Author LO videos, chapter summary author videos, and author FAQ videos for each chapter are just some of the new videos included in this course. This edition will also have new video cases.

**Career Centre Resources**

Career Center Resources – provide a variety of help bridge the gap between the classroom and careers. Here students will find career coaching videos; tools to creating an e-portfolio and job/internship search resources, just to name a few.

**Adaptive Practice**

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

**What’s New**

**Video Cases:** use contemporary, real-world examples to help students apply the concepts learned in the course.

**High Quality Videos:** author LO videos and chapter summary author videos are just some of the videos available for each chapter.

**Real-World Video Discussions:** new feature in the new WileyPLUS that offers graded discussions on cutting edge business video content from Bloomberg.

**Updated examples:** new pedagogy throughout the course keeps it up to date and relevant to students. Vignettes and features such as “Changemaker” and “Business and Technology,” have updated and current information regarding real business professionals and scenarios meant to promote critical thinking in students.

**Business Hot Topics:** chapter length coverage of emerging business topics.
**Accounting Principles**

13th Edition WileyPLUS Next Gen Card

Jerry J. Weygandt

The next generation of WileyPLUS gives you the freedom and flexibility to tailor introductory accounting content and easily manage your course in order to keep students engaged and on track.

*Accounting Principles, 13th Edition* provides students with a clear introduction to fundamental accounting concepts with an emphasis on learning the accounting cycle from a sole proprietor perspective. This course helps students by making practice simple. Streamlined learning objectives help students use their study time more effectively by making a connection between the reading and video content and practice, homework, and assessments questions.

The expanded video library offers more great content.

Author Paul Kimmel has created more of the popular Solution Walkthrough Videos, providing students with complete coverage of every problem and most frequently assigned exercises. The video library also includes Section Opener Videos, Applied Skills Videos, ExcelTm Tutorials, and Managerial Series Videos.

Students experience real-world problem solving.

A new problem design for all assessment and practice questions gives students a clean, blank sheet-of-paper interface. Improved navigation and a more modern design provide students with a more simplified, real-world experience.

**Recommended Assignments and Quality Question Banks**

You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

**Adaptive Practice**

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

**What’s New**

**Practice Made Simple:** The Review and Practice Section has been updated with new brief exercises, including solutions, to provide students with additional practice opportunities.

**Expanded Coverage of Managerial Topics:** A more modular presentation allows you to make your course more customizable. For example, expanded discussion of incremental analysis, regression analysis, and a new appendix on ABC is provided.

**Additional Content:** Alternate sections 5 and 6 allow you to customize your approach to inventory to either periodic or perpetual, and alternate sections 15 and 16 provide the coverage of costing without debits and credits. Available in WileyPLUS or through Wiley Custom Solutions.

**Accounting Cycle Connections:** Students learn how to connect the different steps of the accounting cycle. These connections have been added to the Accounting Cycle sections and topics for additional emphasis, explanations, illustrations, and homework problems.

**Accounting Weekly Updates:** Keep you and your students updated and informed on the very latest in accounting news stories. Each week you’ll receive links to 3-5 new articles, video clips, business news stories, and so much more with discussion questions to elaborate on the stories during class.
Accounting Principles, Volume 1
8th Canadian Edition
Jerry J. Weygandt

The next generation of WileyPLUS gives you the freedom and flexibility to tailor principles of accounting content and easily manage your course in order to keep students engaged and on track.

Our top selling introductory accounting product Accounting Principles helps students succeed with its proven pedagogical framework, technical currency and an unparalleled robust suite of study and practice resources. It has been praised for its outstanding visual design, excellent writing style and clarity of presentation. The new eighth edition provides more opportunities to use technology and new features that empower students to apply what they have learned in the classroom to the world outside the classroom.

Opportunities for Practice

A complete range of materials guide students through the basic levels of understanding—starting with questions, followed by brief exercises, exercises, problems and then integrative cases to broaden their perspectives. Questions can also be filtered by CPA competencies.

Students Engage with Multimedia Resources

Tutorials on the accounting cycle, demonstration problems, concept tutorials, as well as Office Hour Videos linked directly to the point of learning all help to reinforce concepts. The Office Hour Videos and the Applied Skills Videos let students preview material before class or review content outside of class.

Recommended Assignments and Quality Question Banks

You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

What’s New

New Lightboard Videos: These videos feature a professor walking through the key concepts of Accounting Principles. These videos provide students 24-hour assistance and are a great study tool for reviewing content after class and for preparing for quizzes/exams.

Current Topics: Accounting changes frequently and with each revision Accounting Principles updates its content. Accounting standard updates are included in the course and align with students’ next course in accounting, Intermediate Accounting. Both Accounting Principles and Intermediate Accounting follow the same pedagogy. In fact, many of the same authors work on both courses and all authors collaborate to provide accounting students with a firm foundation in accounting and the tools to succeed in the field of accounting.

Additional Problem Material: In order to get accounting, you have to do accounting. With each course update, we continue to increase the number of problems per chapter so instructors never have to worry about running out of materials to assign.
Accounting
Tools for Business Decision Making, 7th Edition
Paul D. Kimmel, Jerry J. Weygandt, & Donald E. Kieso

The next generation of WileyPLUS gives you the freedom and flexibility to tailor managerial and financial accounting content and easily manage your course in order to keep students engaged and on track.

Accounting: Tools for Business Decision Making, Seventh Edition is a two-semester financial and managerial accounting course designed to show students the importance of accounting in their everyday lives. Emphasizing decision-making, this new edition features relevant topics such as data analytics as well as the time-tested features that have proven to be of most help to students.

Solution Walkthrough Videos help students learn problem-solving techniques.

Based on exercises and problems similar to some of the most highly assigned problems in the text, these Solution Walkthrough Videos guide students step-by-step through the material they need to know.

New mobile-friendly interactive tutorials are ideal for students on the go.

The popular Interactive Tutorials have been redesigned in an enhanced, mobile-friendly learning environment, giving students the opportunity to study anytime, anywhere.

Students experience real-world problem solving.

A new problem design for all assessment and practice questions gives students a clean, blank-sheet-of-paper interface. Improved navigation and a more modern design provide students with a more simplified, real-world experience.

Data Analytics

With the emergence of data analytics transforming the accounting profession, this course includes a new data analytics module with industry-validated content that prepares students for the CPA Exam and the changing workforce.

New discussions of Data Analytics.

Found in the Financial half of the product, these new discussions of Data Analytics are appropriate for introductory accounting students and enforce the DA concepts learned in the course.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

What’s New

NEW Solution Walkthrough Videos for Managerial Accounting: Author Paul Kimmel has expanded the number of Solution Walkthrough Videos, now with more walkthroughs focusing on the managerial accounting part of the course.

NEW Excel Function Videos Related to Data Analytics: Data Analytics is a hot topic in accounting, and these videos help students learn the competencies they need to be successful in their careers.

Revised Test Bank: With 30% new or revised content, the test bank makes it easier for instructors to tailor examinations according to multiple learning outcomes.
Managerial Accounting
3rd Edition WileyPLUS Next Gen Card
Charles E. Davis & Elizabeth Davis

The next generation of WileyPLUS gives you the freedom and flexibility to tailor managerial accounting content and easily manage your course in order to keep students engaged and on track.

Managerial Accounting, 3rd Edition offers a modern, practical approach to teaching and learning managerial accounting based on a unique integration of concepts, practice, and business context within distinct and flexible learning units. Praised for its decision-making framework, this program provides students with a better understanding of decisions made by organizations through the inclusion of a Continuing Case Story, which puts business decisions into context and allows students to see the relevance of managerial accounting to their future careers.

Author Lecture Videos
Author Charles Davis explains key concepts in the learning objective.

Data Analytics prepares students for the changing profession.
With the emergence of data analytics transforming the accounting profession, Wiley has partnered with business leaders in the Business- Higher Education Forum (BHEF) to identify the competencies graduates need to be successful in their careers. As a result, the WileyPLUS course for Managerial Accounting now includes a new data analytics module with industry-validated content that prepares students for the CPA Exam and the changing workforce.

Author-Led Solution Videos
Over 70 new end-of-chapter exercise and problem solution videos using Lightboard technology allow students to follow along as the author solves problems from the text.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Features Include

New Data Analytics Problems: These problems are designed to enhance students' Excel skills in manipulating and interpreting data.

Manageable Units of Content: Keep students engaged using an accessible conversational style.

Practice Questions and Exercises: Give students frequent opportunities to interact with managerial accounting topics throughout the text.
Applied Marketing
1st Edition
Daniel Padgett & Andrew Loos

The next generation of WileyPLUS gives you the freedom and flexibility to tailor marketing content and easily manage your course in order to keep students engaged and on track.

Applied Marketing is a streamlined new principles product that provides the very latest examples of marketing techniques and campaigns from today’s business world. These examples give students a clear picture of the principles needed to help formulate sound marketing decisions. Applied Marketing connects traditional marketing, i.e. 4 P’s with customer-perspective marketing. As a result, Padgett and Loos developed a unique C’s (customer) framework to connect to the P’s of marketing and added a 5th P/C: Participation/Connection. Content for this product is further enhanced by a suite of author created, student engaging, digital assets.

Industry Expert and Author Concept Videos

Course content is delivered in a highly engaging and practical way through the use of videos. These include Industry Expert Interview Videos highlighting the experiences of marketing leaders and how their experiences relate to the content along with Author Concept Videos recorded in a relaxed, conversational, roundtable style.

Classroom to Career Resources

All aspects of the course and supporting resources were created to bridge the gap between the classroom and careers. “Career Center Resources” include career coaching videos, tools to create an e-portfolio, and job/ internship search resources.

Career Tips from Recent Grads

Newly graduated marketers answer some frequently answered questions which offer students tips to help them prepare for their future career success.

Case Studies

Case studies are available for each chapter. In addition, a running case featuring This Bar Saves LivesTM, applies the principles covered throughout the course to a single company allowing students to see multiple marketing strategies applied to the same product, and provides hands-on participation in the market plan development of a new product.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Features Include

Author Concept Videos: Key concepts and examples for each learning objective are discussed by the authors via engaging conversations and stories.

FAQ videos: Feature student’s top marketing questions answered directly by the authors.

Industry Expert Interviews: A guest interview series with CEOs, thought leaders, brand executives, and agency leaders brings students varying perspectives of marketing from within different industries.

Mini-cases: Mini-cases in each chapter provide examples of what a campaign looks like in a real marketing agency.
Organizational Behavior
2nd Edition

The next generation of WileyPLUS gives you the freedom and flexibility to tailor organizational behavior content and easily manage your course in order to keep students engaged and on track.

Delivered in the modular layout of the next generation of WileyPLUS, Organizational Behavior 2e provides students with content that is easier to read and comprehend, and if instructors want to add their own content, WileyPLUS Next Gen has made that very easy to do. WileyPLUS Next Gen provides students with a research-based online environment for effective teaching and learning. With the second edition, traditional OB topics are introduced in a Q and A format. A wealth of resources are also built directly into the module for ease of access for the students and instructors. Students can access all content on any mobile device, anywhere, anytime.

Author Learning Objective Videos
Author learning objective videos resemble mini-lectures and are a great tool to prepare for class or for review. They provide an overview of the major concepts as well as real-world examples and applications.

OB Skills Workbook
The OB Skills Workbook is a hallmark feature that offers many ways to extend the OB learning experience. Comprised of four sections including Cases for Critical Thinking, Student Leadership Practice Inventories, Team and Experiential Exercises and Self-Assessment Portfolio, this resource challenges students to apply concepts to practical situations.

Career Centre Resources
Career Center Resources - provide a variety of help bridge the gap between the classroom and careers. Here students will find career coaching videos; tools to creating an e-portfolio and job/internship search resources, just to name a few.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

What’s New
Updated Content: to reflect what students need today, what students need to know versus what professors want to teach.

Author Learning Objective Videos: the number of videos has increased substantially. These video lessons bring the chapter concepts to life through high-interest stories and vivid, real-world examples.

Instructor Manual Update: the authors have rewritten the IM to dovetail with more a digital teaching model. Unique sections on using adaptive learning, active learning, and how to best access assessments are a few examples of the updates.
Introduction to Personal Finance
Beginning Your Financial Journey, 1st Edition
John E. Grable & Lance Palmer

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

Every financial decision we make impacts our lives. Introduction to Personal Finance: Beginning Your Financial Journey, 1st edition, is designed to help students avoid early financial mistakes and provide tools needed to secure a strong foundation for the future. Using engaging visuals and a modular approach, instructors can easily customize their course to topics that matter most to their students. This course empowers students to define their personal values and make smart financial decisions that help them achieve their goals.

What's Inside

Animations: Narrated, detailed animations review concepts of specific learning objectives giving students the option to read, watch or both.

“Finance in Real Life” Video Lessons: Integrated videos with discussion questions featuring students, peers, and professionals reinforce key concepts from each learning objective and illustrate how financial decisions affect their lives.

YNAB Budgeting Project: Using the award-winning You Need a Budget app, students set up a personal budget with video guidance from experts.

Approachable infographics increase student understanding of complicated topics while magazine-style self-assessments engage students with the content while providing opportunities for critical thinking.

Adaptive Practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve information retention better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not.

Features Include

Flexible, Modular approach allows instructors to select from more than sixty learning objectives to focus only on content that matters most to their students.

Engaging Visual Content invites students to relate to concepts in a personal way using infographics, videos, illustrations and animations.

Assessment that Builds: Comprehensive end of chapter questions verify knowledge and build upon Learning Objectives to help students apply financial concepts to their own lives. Each chapter includes:

• Continuing Case: Students follow Tarek’s progress from college graduate thru marriage and apply their learning by helping him make wise financial decisions along the way.

• Calculating the Cost of Life’s Financial Journey: Provides students with fun, hands-on calculation questions that build confidence in analyzing data, doing time value of money and other basic math calculations.

• Planning for the Future: Mini-case scenarios help students solve true-to-life problems and give them experience dealing with potential situations they may face in the future.

• Continuing Project - Your Financial Journey: Students develop, implement and monitor a personal spending plan and walk away with a way to manage day-to-day financial questions and concerns.

• Practice Questions: Includes hundreds of multiple choice, short answer and essay questions for each learning objective.

• Adaptive Practice: Meet students where they are and allow them to build proficiency and study more effectively.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor introductory Spanish content and easily manage your course in order to keep students engaged and on track.

Meant for the beginning Spanish sequence, Dicho y hecho is available in the next generation of WileyPLUS and offers students a wealth of tools and meaningful activities in a structured learning environment designed to empower them to master the language and be successful in the course. Dicho y hecho has an easy-to-implement, lively approach and sound pedagogical foundation. Its rich media content—including voice and video recording assignments, interactive e-text, activities, cultural videos, and animations—is integrated at the learning objective level and provides students with a clear and engaging path through the material.

Linear Design and Organization

Customizable modules are organized by learning objective and include an enhanced e-Textbook, animated tutorials, interactive activities, videos, and practice questions related to that specific objective.

Easy Customization

Drag and drop to change the order of contents, “turn off” learning objectives you don’t include in your course with one click, set the pacing for your course with easy prerequisite settings, and use the content editor to add your own material such as videos or documents to keep your course personalized and your students motivated and engaged.

Calendar

The easy to use drag-and-drop calendar syncs with other features in WileyPLUS – like assignments, syllabus, and grades – so that one change on the calendar shows up in all places.

Discussions

Continue class and tutorial discussions online by assigning discussion questions to the entire class or smaller tutorial groups.

Interactive Enhanced e-Textbook

In this enhanced e-Textbook, videos, and audio are integrated within the reading content. The e-Textbook also allows students the ability to easily search content, highlight and take notes, access instructor’s notes and highlights, and download and read offline.

Mobile

Apps for both instructors and students allows professors to edit assignments on the go, change due dates, and communicate with students from their phones. Students can receive alerts about when assignments are due, do their homework, and study in the mobile app.

Maria C. Lucas Murillo

The next generation of WileyPLUS gives you the freedom and flexibility to tailor introductory Spanish content and easily manage your course in order to keep students engaged and on track.

Meant for the beginning Spanish sequence, ¡Con brío! 4e is available in the next generation of WileyPLUS platform and offers students a wealth of tools and meaningful activities in a structured learning environment designed to empower them to master the language and be successful in the course. ¡Con brío! addresses the needs and life circumstances of a broad audience through a highly practical approach and focuses on useful vocabulary, functional grammar of high-frequency usage, and cultural content relevant to everyday interactions. It is designed to help students gain the confidence and skills they need to use Spanish in class, in their communities, and in their everyday lives.

Its rich media content is integrated at the learning objective level and provides students with a clear and engaging path through the material. ¡Con brío! recycles grammar and vocabulary starting in Chapter 3 which allows students to use the language beyond the chapter theme where they are presented.

Linear Design and Organization

Customizable modules are organized by learning objective and include an enhanced e-Textbook, animated tutorials, interactive activities, videos, and practice questions related to that specific objective.

Easy Customization

Drag and drop to change the order of contents, “turn off” learning objectives you don’t include in your course with one click, set the pacing for your course with easy pre-requisite settings, and use the content editor to add your own material such as videos or documents to keep your course personalized and your students motivated and engaged.

Calendar

The easy to use drag-and-drop calendar syncs with other features in WileyPLUS – like assignments, syllabus, and grades – so that one change on the calendar shows up in all places.

Discussions

Continue class and tutorial discussions online by assigning discussion questions to the entire class or smaller tutorial groups.

Interactive Enhanced e-Textbook

In this enhanced e-Textbook, videos, and audio are integrated within the reading content. The e-Textbook also allows students the ability to easily search content, highlight and take notes, access instructor’s notes and highlights, and download and read offline.

Mobile

Apps for both instructors and students allows professors to edit assignments on the go, change due dates, and communicate with students from their phones. Students can receive alerts about when assignments are due, do their homework, and study in the mobile app.
Elementary Principles of Chemical Processes

4th Edition WileyPLUS NG Card
Richard M. Felder, Ronald W. Rousseau & Lisa G. Bullard

This best-selling text prepares students to formulate and solve material and energy balances in chemical process systems and lays the foundation for subsequent courses in chemical engineering. The text provides a realistic, informative, and positive introduction to the practice of chemical engineering.

The Wiley Advantage
This classic text has provided generations of aspiring chemical engineers with a solid foundation in the discipline – engineering problem analysis, material balances and energy balances.

Richard Felder is a recognized global leader in the field of engineering education and this text embodies a lifetime of study and practice in effective teaching techniques.

The text is in use at more than 4 out of 5 chemical engineering programs in the US.

New To This Edition
- The text has been updated throughout, reflecting the broadened scope of chemical engineering practice, to include biomedical, biochemical, biomolecular, environmental, energy, materials, and safety applications.
- Approximately 350 new and revised chapter-end problems, many featuring new application areas including 33 on Safety, 42 on Environment, 42 on Bioengineering, 11 on Alternative Energy, and 11 on Materials.
- An “Index of Selected Applications in Problems” assists instructors in targeting problem applications for homework or in-class examples.
- “Notes With Gaps” – detailed coursepack for Chapters 2-9 with lecture notes containing blanks to fill in and spaces in which to work examples. The intent would be for instructors to provide the “Notes With Gaps” to their students before lecture, so the students could fill in the gaps during class/lecture. This is an excellent tool for new instructors as well as instructors seeking to apply active learning approaches.
- APEX – an Excel® add-in that eliminates much of the drudgery of routine calculations that require large expenditures of time and have little instructional value.

Resources and Support
Instructor & Student Companion Sites are available at www.wiley.com/college/felder
Instructor site includes the following resources:
- APEX: Analysis of Processes with Excel®
- Solutions Manual
- Notes to the Instructor
- Section/Problem Concordance
- Topical End-of-Chapter Problems List
- Sample Responses to a Creativity Exercise
- Notes with Gaps: Chapter 4
- Tips for Student Success
- Encyclopedia of Chemical Engineering Equipment
Engineering Mechanics
Statics, 9th Edition WileyPLUS NG Card
James L. Meriam

The next generation of WileyPLUS gives you the freedom and flexibility to tailor engineering mechanics content and easily manage your course in order to keep students engaged and on track.

Known for its accuracy, clarity, and sound pedagogy, Engineering Mechanics: Statics has empowered students to develop a solid foundation of mechanics principles for more than 60 years. To help students build necessary visualization and problem-solving skills, this course emphasizes drawing free-body diagrams—the most important skill needed to solve mechanics problems. The next generation of WileyPlus for Engineering Mechanics: Statics also provides a wealth of resources to support student learning, including an Orion Foundations module, video tutorials, video solutions, and animations.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, videos, animations, and practice questions.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from hundreds of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

Customized Content
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

What’s New
Algorithmic Problems: Over 1,500 algorithmically generated homework problems give each student unique values and reduce the chance of students cheating on assignments. Students receive immediate feedback as well as links to the text to build student confidence and reinforce skills.

Reserve Problems: Reserve Problems are not available to students unless they are assigned by an instructor, so solutions are more secure. Hundreds of Reserve Problems are already available, and more will be added over time.


Animations: Animated illustrations from the course, including Free-Body Diagrams, are developed in real time.

Orion Foundations Module: Orion Foundations provides just-in-time support for students in key pre-requisite topics in mathematics and physics.

Video Tutorials: Videos use whiteboard and audio walkthrough to show students how to use common mathematical functions to solve problems.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor engineering mechanics content and easily manage your course in order to keep students engaged and on track.

Known for its accuracy, clarity, and sound pedagogy, Engineering Mechanics: Dynamics has empowered students to develop a solid foundation of mechanics principles for more than 60 years. To help students build necessary visualization and problem-solving skills, this course emphasizes drawing free-body diagrams—the most important skill needed to solve mechanics problems. The next generation of WileyPlus for Engineering Mechanics: Dynamics also provides a wealth of resources to support student learning, including an Orion Foundations module, video tutorials, video solutions, and animations.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, videos, animations, and practice questions.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from hundreds of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge.

Customized Content
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

What’s New
Algorithmic Problems: Over 2,000 algorithmically generated homework problems give each student unique values and reduce the chance of students cheating on assignments. Students receive immediate feedback as well as links to the text to build student confidence and reinforce skills.

Reserve Problems: Reserve Problems are not available to students unless they are assigned by an instructor, so solutions are more secure. Hundreds of Reserve Problems are already available, and more will be added over time.


Animations: Animated illustrations from the course, including Free-Body Diagrams, are developed in real time.

Orion Foundations Module: Orion Foundations provides just-in-time support for students in key prerequisite topics in mathematics and physics.

Video Tutorials: Videos use whiteboard and audio walkthrough to show students how to use common mathematical functions to solve problems.

Student Practice Modules: These modules allow students to practice on their own with:
- Approximately 100 Check Your Understanding questions.
- Approximately 100 automatically-graded problems and the ability to check their work with official step-by-step solutions (text or video format)
Students need to practice, practice, practice. You want to keep them on track. Help them perfect their practice with an interactive eText. Students work on graded InterActivities right in their eText. Use the grade book in VitalSource SCORECenter to track progress or export grades to your learning management system.

*Big Java: Early Objects, 7e* focuses on the essentials of effective learning and is suitable for a two-semester introduction to programming sequence. The interactive eText requires no prior programming experience and only a modest amount of high school algebra. Objects and classes from the standard library are used where appropriate in early sections with coverage on object oriented design starting in Chapter 8. This gradual approach allows students to use objects throughout their study of the core algorithmic topics, without teaching bad habits that must be un-learned later. The second half covers algorithms and data structures at a level suitable for beginning students. All eText sections include activities to help students practice programming and build confidence. The interactive practice and review is complemented by open-ended review exercises, programming exercises, and projects. For the first time, instructors can monitor student progress in VitalSource SCORECenter and export grades to their learning management system. The eText may also be bundled with an abridged print companion, which includes the eText content minus the assessment and practice material.

Engage students at all levels with interactive practice.

- **Complete** and run code using CodeCheck
- **Arrange** code segments to complete a task
- **Trace** through a code segment
- **Build** an example table
- **Create** a memory diagram
- **Explore** common algorithms

The InterActivities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs.

**What’s New**

- **Interactive Learning:** Interactive content is front and center, with immersive activities integrated with the text to foster in-depth learning. Students don’t just watch animations and code traces, they work on generating them right in the eText.
- **Integrated Live Coding:** Live code samples invite the reader to experiment and to learn programming constructs first hand. The activities provide instant feedback to show students what they did right and where they need to study more.
- **Adapted to Java Versions 8 Through 11:** This edition takes advantage of modern Java features where pedagogically sensible. A number of new methods and syntax are integrated as Special Topics throughout the eText.
- **Detailed Topic Changes:** Default, static, and private interface methods are introduced in a Special Topic.
Brief Java
Early Objects, Enhanced eText, 9th Edition
Cay S. Horstmann

Brief Java: Early Objects, 9e focuses on the essentials of effective learning and is suitable for a two-semester introduction to programming sequence. The interactive eText requires no prior programming experience and only a modest amount of high school algebra. Objects and classes from the standard library are used where appropriate in early sections with coverage on object oriented design starting in Chapter 8. This gradual approach allows students to use objects throughout their study of the core algorithmic topics, without teaching bad habits that must be un-learned later. All eText sections include activities to help students practice programming and build confidence. The interactive practice and review is complemented by open-ended review exercises, programming exercises, and projects. For the first time, instructors can monitor student progress in VitalSource SCORECenter and export grades to their learning management system. The eText may also be bundled with an abridged print companion, which includes the eText content minus the assessment and practice material.

Engage students at all levels with interactive practice.

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**Explore** common algorithms

The InterActivities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs.

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**Interactive Learning:** Interactive content is front and center, with immersive activities integrated with the text to foster in-depth learning. Students don’t just watch animations and code traces, they work on generating them right in the eText.

**Integrated Live Coding:** Live code samples invite the reader to experiment and to learn programming constructs first hand. The activities provide instant feedback to show students what they did right and where they need to study more.

**Adapted to Java Versions 8 Through 11:** This edition takes advantage of modern Java features where pedagogically sensible. A number of new methods and syntax are integrated as Special Topics throughout the eText.

**Detailed Topic Changes:**

- Default, static, and private interface methods are introduced in a Special Topic.
- Lambda expressions are optional for user interface callback.
- The “diamond” syntax for generic classes is introduced as a Special Topic in Chapter 7 and used systematically in Chapter 15.
- Local type inference with the `var` keyword is described in a Special Topic.
- Useful features such as the `try-with-resources` statement are integrated into the eText.
Python For Everyone
Enhanced eText, 3rd Edition
Cay S. Horstmann & Rance D. Necaise

Students need to practice, practice, practice. You want to keep them on track. Help them perfect their practice with an interactive eText. Students work on graded InterActivities right in their eText. Use the grade book in VitalSource SCORECenter to track progress or export grades to your learning management system.

*Python for Everyone, 3e* is an introduction to programming designed to serve a wide range of student interests and abilities, focused on the essentials, and on effective learning. It is suitable for a first course in programming for computer scientists, engineers, and students in other disciplines. The interactive eText requires no prior programming experience and only a modest amount of high school algebra. Objects are used where appropriate in early chapters and students start designing and implementing their own classes in Chapter 9. Practice makes perfect, so each section contains numerous exercises that ask students to carry out progressively more complex tasks: trace code and understand its effects, produce program snippets from prepared parts, and complete simple programs. All eText sections include activities to help students practice programming and build confidence. The interactive practice and review is complemented by open-ended review exercises, programming exercises, and projects. For the first time, instructors can monitor student progress in VitalSource SCORECenter and export grades to their learning management system. The eText may also be bundled with an abridged print companion, which includes the eText content minus the assessment and practice material.

**Engage students at all levels with interactive practice**

- **Complete** and run code using CodeCheck
- **Arrange** code segments to complete a task
- **Trace** through a code segment
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- **Create** a memory diagram
- **Explore** common algorithms

The InterActivities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs.

**What’s New**

- **Interactive Learning**: Interactive content is front and center, with immersive activities integrated with the text to foster in-depth learning. Students don’t just watch animations and code traces, they work on generating them right in the eText.
- **Integrated Live Coding**: Live code samples invite the reader to experiment and to learn programming constructs first hand. The activities provide instant feedback to show students what they did right and where they need to study more.
- **Just the Right Amount of Python**: The goal of this book is to teach good programming and computer science with Python as the means of instruction and not an end in itself. This edition accelerates the coverage of convenience operations for working with strings and lists.
Fundamentals of Materials Science and Engineering
William D. Callister Jr.

The next generation of WileyPLUS gives you the freedom and flexibility to tailor materials science content and easily manage your course in order to keep students engaged and on track.

*Fundamentals of Materials Science and Engineering* takes an integrated approach—one specific structure, characteristic, or property type is covered in turn for all three basic material types: metals, ceramics, and polymeric materials. This presentation permits the early introduction of non-metals. The next generation of WileyPLUS for *Fundamentals of Materials Science and Engineering* also provides a wealth of resources to support student learning, including Virtual Materials Science and Engineering (VMSE), Orion Foundations module, video tutorials, video solutions, and animations.

**Linear Design and Organization**

Customizable modules organized by learning objective include eTextbook content, videos, animations, and practice questions.

**Interactive e-Textbook**

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

**Recommended Assignments and Quality Question Banks**

You can easily customize recommended assignments or select from hundreds of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge.

**Customized Content**

Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

**What’s New**

**Algorithmic Problems:** Over 600 algorithmically generated homework problems give each student unique values and reduce the chance of students cheating on assignments. Students receive immediate feedback as well as links to text to build student confidence and reinforce skills.

**Reserve Problems:** Reserve Problems are not available to students unless they are assigned by an instructor, so solutions are more secure. More than 400 new Reserve Problems have been added, and more will be provided over time.

**Orion Foundations Module:** Orion Foundations provides just-in-time support for students in key pre-requisite topics in mathematics, chemistry, and physics.

**Virtual Materials Science and Engineering (VMSE):** VMSE is a unique tool for visualizing molecules and manipulating them in 3-D. Interactive simulations and animations enhance the learning of key concepts in materials science and engineering.

**Tutorial videos:** Numerous videos provide real-time explanations of some of the toughest concepts in this course.
Work in the 21st Century
An Introduction to Industrial and Organizational Psychology, 6th Edition
Jeffrey M. Conte & Frank J. Landy

Now in its sixth edition, *Work in the 21st Century: An Introduction to Industrial and Organizational Psychology* by Jeffrey M. Conte and Frank J. Landy is the most current and engaging text for the industrial and organizational (I-O) psychology course. The text ties together themes and topics such as diversity, cognitive and physical abilities, personality, emotional intelligence, technology, multicultural dynamics, and evidence-based I-O psychology in a way that explores the rich and intriguing nature of the modern workplace. The sixth edition retains the 14-chapter format and the E-Text maintains a colorful design that brings I-O psychology to life, especially with the use of newsworthy color photographs.

**New to This Edition:**

- New topics include green behaviors, job embeddedness, job crafting, incivility at work, mindfulness interventions, and abusive supervision.
- Updates in every chapter, including expanded coverage of the contributions of I-O psychology to society, integrity tests, forced distribution rating systems, personality-based human capital resources, training critical thinking skills, workplace coaching, sexual harassment awareness training, generational differences in the workplace, employee engagement, telecommuting, organizational justice, applicant reactions to selection procedures, diversity training, leader-member exchange theory, charismatic leadership, team training, and organizational climate.
Case Studies in Abnormal Psychology
11th Edition

Thomas F. Oltmanns & Michele T. Martin

*Case Studies in Abnormal Psychology* presents actual clinical cases, providing developmental histories essential to appropriate diagnosis and treatment of mental disorders. This text presents 23 distinct case studies, applying abstract theoretical research to real-world situations. Each study describes the clinical problem, demonstrates the formulation and implementation of a treatment plan, and discusses evidence of potential causes and prevalence. This comprehensive examination includes cases ranging from psychotic and personality disorders including schizophrenia and bipolar disorder to those concerning child development and aging such as attention-deficit hyperactivity disorder. Coverage of sometimes controversial subjects including dissociative identity disorder, gender dysphoria, autism spectrum disorder, and posttraumatic stress disorder ensures contemporary relevance.

Suitable for undergraduate and graduate study of abnormal psychology, this book presents an honest and unbiased view of the limitations and benefits of various treatment plans. Discussions of alternative methods including medication, electroconvulsive therapy, and psychosurgery, augment primary cognitive-behavioral approaches, allowing students a solid foundational knowledge of the subject.

**New to This Edition:**

- Updated discussion sections reflecting current research literature on abnormal disorders
- Revised certain language and concepts to recognize evolving cultural context such as gender dysphoria
- Streamlined several chapters including coverage of antisocial personality disorder
Personality
Theory and Research, 14th Edition
Daniel Cervone & Lawrence A. Pervin

An invaluable resource for over four decades, Personality examines the fundamental theories and concepts of personality psychology while exploring contemporary research, new methodologies, and the latest technological advancements. Through a well-rounded blend of theory, case studies, and the latest research, this text identifies the structures and processes of personality, traces personality development, and highlights the value of therapeutic change.

An effective pedagogical structure enhances student interest while strengthening objectivity and critical-thinking skills. Psychodynamic, social-cognitive, phenomenological, and trait-theoretic perspectives are presented in an unbiased—yet critical—fashion that encourages students to compare theories, evaluate evidence, analyze data, and form their own conclusions. Thorough historical coverage is balanced with discussions of the current state of the field, providing a solid understanding of theory and methods as relevant to practice today. Suitable for introductory coursework, this text also serves as a valuable resource for advanced studies and as a reference for professionals in psychology and related fields.

New to This Edition:

• Coverage has been alternately expanded and streamlined to reflect each topic's importance in modern research, theory, and practice
• Contemporary Developments features highlight specific 21st century theories that directly address limitations in previously accepted thinking
• Discussion of modern research methods details the use of new technology, such as computerized text analysis applied to social media
Psychological Testing
A Practical Introduction, 4th Edition
Thomas P. Hogan

Psychological Testing: A Practical Introduction 4th Edition offers students of psychology and allied disciplines a comprehensive survey of psychometric principles and tests in the major categories of applied assessment. Coverage includes test norms, reliability, validity, and test development, with an entirely new chapter on test fairness and bias. Chapters on assessment of cognitive ability, achievement, personality, clinical instruments, and attitudes provide up-to-date examples of the widely used tests in each category.

Recognizing that active engagement maximizes learning, the text presents as an active learning device rather than a reference work. Extensive use of chapter objectives, key point and end-of-chapter summaries, practice problems, applied scenarios, internet-based resources, and statistics skills review enable students to engage more fully with the material for a deeper understanding. Written in a clear, reader-friendly style, the text approaches challenging topics by balancing technical rigor with relatable examples of contemporary applications.

New to This Edition:

- New and revised coverage of fairness in testing, measurement invariance, reporting, curriculum-based measures, and personality assessment inventory
- Theories of intelligence coverage has been incorporated into the discussion on intelligence testing
- Coverage of Wechsler Intelligence Scale for Children has been updated to reflect the newest version of the assessment (WISC-V)
- Terminology has been updated throughout to align with the DSM-V and contemporary practice
- New, up-to-date discussions surrounding behavior rating scales, International Classification of Diseases (ICD), federally mandated testing programs, and current source information
The study of human cognitive processes provides insight into why we act or react and can help us predict future behaviors. In *Cognition*, authors Thomas Farmer and Margaret Matlin present an engaging and highly relatable examination of how these processes work, and how they are responsible for the way we perceive and interpret the world around us. Broad in scope without sacrificing depth of detail, this text emphasizes the link between conceptual cognitive psychology and real-world experience; case studies, current trends, and historical perspectives merge to provide a comprehensive understanding of core principles and theories.

This new Tenth Edition has been updated to reflect the latest research, technology, and thinking, with more in-depth coverage of topics rising to prominence in the field’s current knowledge base. Expanded explanations balance classical and contemporary approaches to specific topics, while additional experiments and an emphasis on methodology and experimental design are included to facilitate a greater appreciation of the field’s rigorous research.

**New to This Edition:**

- Fully revised and streamlined for improved clarity and readability, with optimized quiz questions and more detailed lecture slides
- Expanded coverage of experimental methodologies, and 100 new references for further exploration
- Deeper examination of the speech recognition process, Stroop task research, working memory, implicit aptitude tests, and cognitive language neuroscience
- New discussions surrounding magnetoencephalography cognitive neuroscientific testing, working memory and Generalized Anxiety Disorder, amnesia and traumatic events, cognitive prediction, and more
- New and updated coverage of the latest research and trends, including cognitive brain training paradigms, gesture in learning, the bilingual advantage, linguistic abilities in older adults, and factors that modulate the recognition process
Social Development
3rd Edition
Ross D. Parke, Glenn I. Roisman & Amanda J. Rose

Social Development provides a comprehensive introduction to the multiple factors that shape a child’s behavior, interaction with others, feelings about themselves, and how and why behaviors change over time. Delving into the biological, cognitive, and perceptual aspects of development and their influence on behavior, socialization, and self-image, this text also recognizes the significance of cultural and societal distinctions by emphasizing the value of context and identifying cultural variation’s role in social development.

Special pedagogical features in each chapter enhance the learning experience and promote student understanding: counter-intuitive examples cases challenge reader assumptions, coverage of extreme cases tell the story behind historical advancements, and profiles of current leaders in the field highlight the many paths to a career in social development. With a focus on real-world application, coupled with coverage of cutting-edge methodologies and the latest research findings, this book gives students a strong, highly relevant foundation in core concepts and practices central to the study of social development.

New to This Edition:
• Revised and reorganized for greater clarity and cohesiveness
• New coverage of the biological foundations of social development, differential susceptibility, infant precocity, research ethics, and internet research methods
• Comprehensive updates reflecting the latest research, statistics, data sets, data-collection methods, and more
• Expanded coverage of children in other societies in the context of early family influences and public policy
• Added sections on the effects of loss and bereavement in children as related to familial attachments and forming close relationships
• Greater emphasis on gene-environment interaction in genetic transmission
A Brief History of Modern Psychology
3rd Edition
Ludy T. Benjamin Jr.

*A Brief History of Modern Psychology* offers a concise account of the evolution of this dynamic field—from early pioneers of psychological theory to cutting-edge contemporary applications. In this revised third edition, leading scholar Ludy Benjamin surveys the significant figures, concepts, and schools of thought that have shaped modern psychology. Engaging and accessible narrative provides readers historical and disciplinary context to modern psychology and encourages further investigation of the topics and individuals presented. This book provides a solid foundational knowledge of psychology’s past, covering essential areas including prescientific psychology, physiology and psychophysics, early schools of German and American psychology, and the origins of applied psychology, behaviorism, and psychoanalysis. Exploration of 20th century and contemporary developments, including the emergence of clinical and cognitive psychology, ensures a complete overview of the field.

The author integrates biographical information on widely recognized innovators such as Carl Jung, Wilhelm Wundt, and B.F. Skinner with lesser known figures including E.B. Titchener, Mary Calkins, and Leta Hollingworth. This personalistic approach to history allows readers to understand the theories, research, and practices of the individuals who laid the foundation to modern psychology.

**New to This Edition:**

- New coverage of topics including psychological instrumentation in research, the misapplication of psychology in eugenics, and rehabilitation psychology and the social stigma of disability
- Revised and updated material reflecting current scholarship on the history of psychology and related fields
- Streamlined coverage of biographical information to allow for new material while preserving the book’s brief form
Psychology in Action
12th Edition WileyPLUS NG Card
Karen Huffman & Katherine Dowdell

The next generation of WileyPLUS gives you the freedom and flexibility to tailor your psychology content and easily manage your course in order to keep students engaged and on track.

Psychology in Action 12e is available in the WileyPLUS Next Gen platform, offering students a wealth of tools that will empower them to master and make connections between the key concepts of the course. Rich media content, including new interactive graphics, tutorial animations, videos, and virtual field trips, is integrated at the learning objective level providing students with a clear and engaging path through the material. Psychology in Action has been designed to engage and inspire your students through its streamlined, linear organization, and the authors’ unique active learning approach. Students will leave the course with a solid foundation in basic psychology that will serve them in their daily lives no matter what their chosen field of study and career path.

Linear Design and Organization:

Modules are organized by chapter section and learning objective and include eTextbook content, interactive animations, videos and practice questions related to that specific objective.

Easy Customization:

Drag and drop to change the order of contents, “turn off” learning objectives you don’t include in your course with one click, set the pacing for your course with easy prerequisite settings, and use the content editor to add your own material – videos, or documents such as case studies or lab material to keep your course personalized and your students motivated and engaged.

Mobile:

Apps for both Instructors and Students – allows professors to edit assignments on the go, change due dates and communicate with students from their phones. Students can receive alerts about assignments due, do their homework and study in the mobile app.

Presentations:

For presentations, projects, research papers, and analysis questions, you can create assignments and then quickly grade them using SpeedGrader, which allows you to view and score using rubrics, as well as provide audio or written feedback on submissions – all within one frame.

Discussions:

Continue class and tutorial discussions online by assigning discussions questions to the entire class or smaller study groups.

Interactive eTextbook:

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, download, and read offline.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor your psychology content and easily manage your course in order to keep students engaged and on track.

Real World Psychology 2e is available in the next generation of WileyPLUS and offers students a wealth of tools and content in a structured learning environment designed to draw students in and hold their interest in the subject. A wide array of media content – including author videos, tutorials, and animations – is integrated at the learning objective level providing students with a clear and engaging path through the material. Real World Psychology is filled with interesting research and abundant opportunities to apply concepts in a real-life context. Students will leave the course with an appreciation of how psychology can benefit them in their careers and daily lives.

Linear Design and Organization:

Modules are organized by chapter section and learning objective and include eTextbook content, interactive animations, videos and practice questions related to that specific objective.

Easy Customization:

Drag and drop to change the order of contents, “turn off” learning objectives you don’t include in your course with one click, set the pacing for your course with easy pre-requisite settings, and use the content editor to add your own material – videos, or documents such as case studies or lab material to keep your course personalized and your students motivated and engaged.

Mobile:

Apps for both Instructors and Students – allows professors to edit assignments on the go, change due dates and communicate with students from their phones. Students can receive alerts about assignments due, do their homework and study in the mobile app.

Presentations:

For presentations, projects, research papers, and analysis questions, you can create assignments and then quickly grade them using SpeedGrader, which allows you to view and score using rubrics, as well as provide audio or written feedback on submissions – all within one frame.

Discussions:

Continue class and tutorial discussions online by assigning discussions questions to the entire class or smaller study groups.

Interactive eTextbook:

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, download, and read offline.
Understanding Emotions
4th Edition
Dacher Keltner, Keith Oatley & Jennifer M. Jenkins

Emotions are an inescapable part of the human experience. They motivate actions and reactions, guide our interpersonal and business relationships, inspire political and societal trends, and influence our sense of self and well-being. Emphasizing the broad practical reach of this field of study, Understanding Emotions draws from neuroscience, psychiatry, biology, genetics, the humanities, economics, and more to provide a strong foundation in core concepts. An easy-to-follow narrative arc encompasses the entire life span, while representative studies provide immediate insight into the real-world implications of important findings.

This new Fourth Edition continues to provide clear and concise guidance toward the factors that drive emotion, with new, revised, and expanded discussions that reflect the current state of the field. Detailed coverage of social and anti-social motivations, moral judgment, empathy, psychological disorders, the physiological components of emotion, and many more equip students with the conceptual tools to probe deeper into the material and apply methods and techniques to their own personal lives.

New to This Edition:

- Updated references reflecting recent research in psychology, psychiatry, neuroscience, social science, and other relevant areas of study
- Increased focus on the interpersonal and social functions of emotions, and the impact of positive emotions on relationships and personal well-being
- New coverage of research surrounding embodiment and interoception as related to mind-body relations in emotion
- Additional perspective on the influence of emotion-related language as related to emotional experience, neurophysiology, and well-being
- Expanded discussion on the relationship between emotion and moral judgement, friendships, familial and intimate relationships, and hierarchical and collective situations
It is a nearly universal truth that people need people; humans have adapted to life with
other humans, and the interactions and relationships that result are the most relevant
adaptation environment. This book explores the core motives and goals that shape
these interactions with others, with the self, and collectively as a group; in other words,
“Why do people do what they do?” A brief overview of the field’s unifying themes—
belonging, understanding, controlling, enhancing self, and trusting—gives way to a
detailed exploration of the human condition as well as the techniques used to study and
understand it.

By delving into the motivations behind attraction, helping, bias, persuasion, aggression,
and more, this book helps students grasp the complex interplay of internal and
external cues and influences that inform every interaction. An emphasis on real-world
applications relates social psychology principles to everyday life, and this latest revision
has been updated with the most recent research and trends to provide an accurate
picture of the state of the field. Blending traditional topics with new developments in an
informal, readable style makes this the ideal text to ignite students’ deeper interest and
full engagement with social psychology concepts.

New to This Edition:

- New coverage of cutting-edge topics including embodied cognition, mind perception,
  emotion, terrorism, and homosexual close relationships
- Inclusion of social neuroscience perspectives throughout the topic discussions,
  mirroring the current trends in the field
- Updated coverage of the latest research pertaining to both core topics and new
  explorations
Psychology
Graham C. Davey

A brand-new introductory psychology textbook from Graham Davey!

Psychology offers a rich and comprehensive overview of the historical, methodological, and conceptual core of modern psychology. This textbook enables students to gain foundational knowledge of psychological investigation, exploring both the biological basis and mental processes underlying our thoughts and behaviours. Officially endorsed by the British Psychological Society, this book covers topics ranging from biological, cognitive and developmental psychology to the psychology of social interactions, psychopathology and mental health treatments.

Each chapter provides a detailed examination of essential topics, chapter summaries, real-world case studies, descriptions of research methods, and learning activities to strengthen student comprehension and retention.

This textbook offers a wealth of supplementary material on a companion website for instructors of introductory and advanced undergraduate courses in psychology.

Companion website includes:

- Instructor’s Manual
- Test Banks
- PowerPoints
Human Physiology
2nd Edition
Bryan H. Derrickson

The next generation of WileyPLUS gives you the freedom and flexibility to tailor physiology content and easily manage your course in order to keep students engaged and on track.

Human Physiology is an integrated solution to the challenges students encounter when enrolled in a Human Physiology course. This program supports students’ understanding of core physiological concepts while building the critical thinking skills that will prepare them for success in their future careers. The next generation of WileyPLUS is a highly customizable digital solution that presents relevant resources in a linear pathway to keep students engaged and on track.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, videos, animations, interactives, and practice questions.

Customized Content
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

Drag-and-Drop Customization
Quick reordering of learning objectives and modules lets you match content to your needs.

What’s Inside
3-D Animations
“3-D Physiology” is a state-of-the-art animation series on the most difficult physiological concepts for instructors to teach and students to learn.

Critical Thinking Exercises
Presented with realistic scenarios, students can apply their knowledge and sharpen their critical thinking skills. These critical thinking exercises guide them through the logical processes needed to come to a solution.

Research to Reality: Full primary research articles are available to students through the next generation of WileyPLUS.

Adaptive Practice offers students unlimited practice at the learning objective level for all chapters and sections in the program, providing a clear and actionable plan to help identify knowledge gaps. Instructors benefit from actionable analytics that show exactly where each student is excelling, as well as where the class is on topics and learning objectives.
Introduction to the Human Body
11th Edition WileyPLUS Next Gen Card
Gerard J. Tortora & Bryan H. Derrickson

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

*Introduction to the Human Body, 11th Edition* combines exceptional content and outstanding visual, auditory, and interactive presentations for a multimodal and comprehensive learning experience. This digital course gives students the ability to learn and explore anatomy and physiology both inside and outside of the classroom.

**3-D Physiology Animations**: 15 masterfully-produced animations that explain the most difficult physiological concepts for you to teach and your students to learn. All animations include question sets that make them easily assigned.

**Concept Lectures**: 21 animated videos that focus on unifying themes and concepts to help students understand anatomy. These videos were created by Mark Nielsen and include dynamic and memorable imagery.

**PowerPhys**: 14 lab simulations with unique data sets for each student. These simulations draw students through introductory knowledge and identification of hypothesis and variables on through calculations and analysis, culminating in an exportable pdf lab report.

**ORION Adaptive Practice**: Students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don’t know.

**What’s New**

*Expanded and updated physiology coverage across the entire course.*

*New Scanning Electron Microscope (SEM) images added to multiple sections.*

*High Quality Dissection Videos*: 9 cat videos, 8 pig videos, 8 rat videos, 12 human videos.

*Significant updates to the art in the Cardiovascular System sections.*

**3-D Physiology Animations**: Covering the 15 most challenging topics for student understanding. For classroom presentation or study use.

**Expanded capabilities to customize your course.** Do you have your own questions you want programmed, or content removed or created especially for your course and your school? Maybe there is a paper practice set you’ve been using and want to make it an algorithmic, auto-graded experience in your WileyPLUS course. Wiley now offers course and instructional design services for our WileyPLUS users.
Biochemistry, Volume 1
1st Edition
John T. Tansey

The next generation of WileyPLUS gives you the freedom and flexibility to tailor biochemistry content and easily manage your course in order to keep students engaged and on track.

Biochemistry addresses the diverse needs of premed, biochemistry, and life science majors by presenting relevant material while still preserving a chemical perspective. Presented within the next generation of WileyPLUS, Biochemistry emphasizes worked problems through video walkthroughs, interactive elements and expanded end-of-chapter problems with a wide range of subject matter and difficulty. The worked problems in the course are both qualitative and quantitative and model for students the biochemical reasoning they need to practice. Students will often be asked to analyze data and make critical assessments of experiments.

Linear Design and Organization

Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Drag-and-Drop Customization

Drag-and-Drop Customization
Quick reordering of learning objectives and modules lets you match content to your needs.

Interactive e-Textbook

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

Customizable Content

Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

What’s Inside

Dynamic Figures:

Dynamic figures take key elements from the section and highlight and organize them using a variety of electronic tools that have previously been unavailable or inaccessible to students. An introduction summarizes the dynamic figures. These figures are easy to navigate using a variety of different platforms (including phones and tablets). They provide access to key concepts, metabolites and intermediates, pathways, and enzymes found in each course section.

Worked Problem Videos:

The worked problems in the course are both qualitative and quantitative and model for students the biochemical reasoning they need to practice. Students are often asked to analyze data and make critical assessments of experiments.

Bioinformatics Exercises:

Short, assessable, and content-specific bioinformatics exercises serve as virtual hands-on assignments that illuminate the connections between theory and applied biochemistry, thereby stimulating student interest and proficiency in the subject.
Fundamentals of Biochemistry
5th Edition WileyPLUS NG Card
Donald Voet

The next generation of WileyPLUS gives you the freedom and flexibility to tailor biochemistry content and easily manage your course in order to keep students engaged and on track.

*Fundamentals of Biochemistry* allows instructors to customize and tailor the course to meet their individual needs and provides a rich pathway for student understanding of the enormous advances in biochemistry. A new pedagogy and enhanced visuals are combined with bioinformatics exercises, animated process diagrams, and calculation videos to provide a solid biochemical foundation that is rooted in chemistry to prepare students for the scientific challenges of the future.

**Linear Design and Organization**
Customizable modules organized by learning objective include eTextbook content, videos, animations, interactives, and practice questions.

**Customized Content**
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

**Recommended Assignments and Quality Question Banks**
You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded questions that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

**Interactive eTextbook**
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

**What’s Inside**

**Guided Tours**
The Guided Tours, created by Charlotte Pratt, are multi-part animations that present big picture concepts conveyed through animations, tutorials, and practice.

**Brief Bioinformatics Exercises**
Short, assessable, and content-specific bioinformatics exercises serve as virtual hands-on assignments that illuminate the connections between theory and applied biochemistry, thereby stimulating student interest and proficiency in the subject.

**Sample Calculation Videos**
Students come to the course with different levels of math skills. These embedded videos provide sample calculations and step-by-step walkthroughs for key equations.

**Reorganized and Expanded Problem Sets**
End-of-chapter problems are now divided into two categories so that students and instructors can better assess lower- and higher-order engagement.

**Gateway Concepts**
These short statements placed in the margin summarize the central ideas of biochemistry, such as evolution, macromolecular structure/function, matter/energy transformation, and homeostasis (these are in accordance with ASBMB guidelines).

**Focus on Evolution**
An evolutionary tree icon marks content that illuminate examples of evolution at the biochemical level.
Calculus Early Transcendentals
11th Edition WileyPLUS Next Gen Card
Howard Anton, Irl C. Bivens & Stephen Davis

Calculus: Early Transcendentals, 11th Edition strives to increase student comprehension and conceptual understanding through a balance between rigor and clarity of explanations, sound mathematics, and excellent exercises, applications, and examples. Anton pedagogically approaches Calculus through the Rule of Four, presenting concepts from the verbal, algebraic, visual, and numerical points of view.

The Wiley Advantage

- **WileyPLUS** helps to ensure that each study session has a positive outcome by putting students in control. Through instant feedback and study objective reports, students know if they did it right and where to focus next, so they achieve the strongest results.

- **ORION Algebra and Trigonometry Refresher Module**: An adaptive practice to master algebra, trigonometry, and polynomial equations provides students with a personalized study plan to master concepts prior to the course, allowing for instructors to focus class time on Calculus.

- **New! Video Program**: Videos of worked examples and problems covering the subject material in the Single Variable chapters of the 11th edition.

- **New! Answer Specific Feedback Questions**: Within WileyPLUS with ORION this edition of Anton will feature this new question type allowing students to have customized feedback on the actual work they’re doing.

- **New! WileyPLUS Math Enhancements**: Measure conceptual understanding in an online learning environment, through intelligent tutoring, graphing enhancements, improvements to Show Work Whiteboard, expanded test bank functionality, and enhanced grading rules functionality.

- **Pre-created activities** encourage learning outside of the classroom through gradable reading assignment questions and more than 3,000 end-of-chapter problems coded algorithmically.

- **Quick Check Exercises**: Each exercise set begins with approximately five exercises (answers included) that are designed to provide students with an immediate assessment of whether they have mastered key ideas from the section.

- **Technology Exercises**: In the textbook, these exercises—marked with an icon for easy identification—are designed to be solved using either a graphing calculator or a computer algebra system such as Mathematics, Maple, or Derive.

- **Pre-created activities** encourage learning outside of the classroom through gradable reading assignment questions and more than 3,000 end-of-chapter problems coded algorithmically.

- **Career Preparation**: This program has been created at a mathematical level that will prepare students for a wide variety of careers that require a sound mathematical background, including engineering, the various sciences, and business.
Calculus
Single and Multivariable, 7th Edition WileyPLUS Next Gen Card
Deborah Hughes-Hallett

The next generation of WileyPLUS for Calculus provides a flexible platform with customizable content to elevate students’ experience in the modern classroom. It continues the Harvard Consortium’s effort to promote courses in which understanding and computation reinforce each other to reduce complicated problems to simple procedures without losing sight of the practical value of mathematics. With a focus on the development of mathematical thinking supported by theory and modeling, the course offers a flexible approach with variety of problems and examples from the physical, health, and biological sciences, engineering and economics. The approach to instruction allows a variance in the level of theory while emphasizing the connection between calculus and multiple fields of study. Algorithmic auto-graded homework questions and adaptive practice with many viewable metrics and analytics provide a comprehensive, data-driven approach to engage students.

Linear Design and Organization

Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks

You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded questions that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Interactive e-Textbook

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

What’s Inside

Interactive Exploration Applets

The HTML5 Interactive Explorations help students better understand and visualize difficult concepts. The Interactive Explorations include quizzes to ensure students understand key concepts.

Assignable Video Series

The course includes a full suite of worked example videos for the most difficult examples in each section of the program.

Adaptive Practice

Every student has a different starting point, and adaptive practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve retention of information better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don’t know.


Applied Calculus
6th Edition WileyPLUS NG Card

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.
Interactive classrooms and well-crafted problems promote student learning. Since it’s inception, the hallmark of Applied Calculus, 6th Edition is its innovative and engaging problems. The Calculus Consortium pioneered and incorporates the approach called the “Rule of Four.” The Rule of Four, presents ideas graphically, numerically, symbolically, and verbally, thereby encouraging students with a variety of learning styles to deepen their understanding as they work through a wide variety of problem types.

What’s Inside
Mathematical concepts and modeling are a main focus: The first stage in the development of mathematical thinking is the acquisition of a clear, intuitive picture of the central ideas. In the next stage, students learn to reason with the intuitive ideas in plain English. After these foundations have been laid, students can choose a path of direction towards problem solving.
ConcepTest Questions or Clicker Questions: Modeled on the pioneering work of Harvard physicist Eric Mazur, these questions are designed to promote active learning during class, particularly (but not exclusively) in large lectures. Evaluation data showed that students taught with ConcepTests outperformed students taught by traditional lecture methods.
Students engage in active learning and problem solving: The hallmark of Applied Calculus is its innovative and engaging problems. These problems probe student understanding in ways that are often taken for granted.
ORION Adaptive Practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve information retention better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not.

What’s New
Math Maple our new HTML5 based questions are integrated throughout the course to make this an easy to use mobile experience.
A large pool of new questions have been added including Strengthen Your Understanding Problems. These problems focus on conceptual understanding.
Over 100 new example videos provide students the opportunity to see and hear the course examples being explained and worked out in detail.
Updated data and fresh applications appear throughout the course, including problems on sustainability.
Case studies on medicine by David E. Sloane, MD.
New appendices that extend ideas covered in the course.
Many new problems have been added, designed to build student confidence with basic concepts and to reinforce skills.
**Visualizing Human Biology**

5th Edition WileyPLUS Next Gen Card

Kathleen A. Ireland

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

*Visualizing Human Biology* is a visual exploration of the major concepts of biology using the human body as the context. Students are engaged in scientific exploration and critical thinking in this course specially designed for non-science majors. Topics covered include an overview of human anatomy and physiology, nutrition, immunity and disease, cancer biology, and genetics. The aim of Visualizing Human Biology is a greater understanding, appreciation and working knowledge of biology as well as an enhanced ability to make healthy choices and informed healthcare decisions.

**What's Inside**

*Mind Map Activities:* These activities at the end of each course section are designed to engage students in critical thinking about the concepts and key terminology covered in the section and help students explore the relationships between them.

*Interactive Process Diagrams:* Interactive process diagrams provide additional visual examples as well as descriptive narratives of the diagrams that appear throughout the course. Interactive process diagrams allow students to build the process interactively to be sure they fully understand the process.

*Key Processes:* Key processes are highlighted throughout the course and help students organize their learning. The five processes that are key to most of the physiology presented in this course are: osmosis and diffusion, energy storage and transfer, DNA, protein structure and function, and cellular structure and function.

*ORION Adaptive Practice:* Students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don't know.

**What's New**

*Animated Concepts:* Students can view over 150 animations to help them visualize the key concepts in the course.

*Visual Podcasts:* Designed around the course learning objectives, these podcasts provide audio narration coupled with visuals to drill into the core concepts of each course section.

*Built in Study Guides:* Study guides teach students how to read visuals more effectively along with better study habits. Each course section starts with a guided tour which includes a section outline and section planner. Concept check questions at the end of all sections cover the learning objectives.

*New Course Section on Human Microbiomes:* A new section covers general characteristics of human microbiomes, the communication methods of the microbiome constituent bacteria, their contributions to homeostasis, and the physiological processes affected by the microbiome communities.

**Expanded capabilities to customize your course.** Do you have your own questions you want programmed, or content removed or created especially for your course and your school? Maybe there is a paper practice set you’ve been using and want to make it an algorithmic, auto-graded experience in your WileyPLUS course. Wiley now offers course and instructional design services for our WileyPLUS users.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor chemistry content and easily manage your course in order to keep students engaged and on track.

Chemistry: The Molecular Nature of Matter delivers a user-friendly experience and active engagement through enhanced visuals, giving students exposure to the wonders of chemistry in action. The next generation of WileyPLUS provides students with a research-based online environment for effective teaching and learning. WileyPLUS is packed with interactive study tools and resources—including the complete interactive e-textbook—to provide students with a clear and engaging pathway through course content. Chemistry becomes exciting and real to the students with new features that turn virtually every chemical reaction photograph into a video. The practice exercise videos help students solve similar exercises for better understanding of the concepts and the problem-solving process.

Linear Design and Organization

Customizable modules organized by learning objective include eTextbook content, videos, animations, interactives, and practice questions.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks

You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded questions that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Interactive eTextbook

Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

What’s New

Mini Lecture Videos: Short video presentations on the essence of major concepts introduced throughout the course have been developed to provide the student with supplemental instruction. These can also be useful for new instructors, students with disabilities, and perhaps flipped classrooms and other educational modes.

Practice Exercise Videos: These videos provide students with additional assistance in solving problems. The questions are solved step-by-step with full explanations of each step.

Answer-specific Feedback: This feature removes the right/wrong response to numerical questions. If a student enters a wrong answer, the student will be provided with a short explanation of the error and how to correct it based on the mathematical process of the question.

Adaptive Practice: offers students unlimited practice at the learning objective level for all chapters and sections in the program, providing a clear and actionable plan to help identify knowledge gaps. Instructors benefit from actionable analytics that show exactly where each student is excelling, as well as where the class is on topics and learning objectives.
Foundations of College Chemistry
15th Edition WileyPLUS Next Gen Card
Morris Hein & Susan Arena

The next generation of WileyPLUS gives you the freedom and flexibility to tailor chemistry content and easily manage your course in order to keep students engaged and on track.

*Foundations of College Chemistry* is praised for its accuracy, clear no-nonsense approach, and direct style. The next generation of WileyPLUS gives students a clear path through the course material and provides them with guided practice such as enhanced examples and online learning modules, as well as a personalized experience through adaptive practice.

*Foundations* fits into the prep/intro chemistry courses which often include a wide mix of students from science majors not yet ready for general chemistry to allied health students in their 1st semester of a GOB sequence, from science education students (for elementary school teachers) to the occasional liberal arts student fulfilling a science requirement. Foundations was specifically designed to meet this wide array of needs.

**Linear Design and Organization**
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

**Adaptive Practice**
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

**Interactive eTextbook**
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

**Customized Content**
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

**What’s Inside**

**Enhanced Examples**
178 enhanced examples in the next generation of WileyPlus provide a one-on-one learning experience which mimics the assistance an instructor provides in a help session.

**Online Learning Modules**
131 new online learning module videos provide a more individual learning experience. The videos are paired with examples within the course materials to provide an alternative way to learn problem-solving.

**Adaptive Practice**
Every student has a different starting point, and adaptive practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve retention of information better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don’t know.
Visualizing Microbiology
1st Edition WileyPLUS NextGen Card
Rodney P. Anderson

The next generation of WileyPLUS gives you the freedom and flexibility to tailor microbiology content and easily manage your course in order to keep students engaged and on track.

Visualizing Microbiology combined with the next generation of WileyPLUS provides students with the resources and practice necessary to engage in critical thinking and application of real-world content. Case studies written in a personal narrative format, a comprehensive library of animations and videos, and adaptive practice, provide an introduction to microbiology through a customizable digital experience, allowing students to “see” and understand the unseen world of microbiology.

Drag-and-Drop Customization
Quick reordering of learning objectives and modules lets you match content to your needs.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Customized Content
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

What’s Inside

Microbiology Toolbox Videos:
These videos of key experiments in microbiology include many classic and common clinical lab experiments along with more recent lab techniques. These provide students exposure to the lab and allow them to see best practices and the application of techniques being learned.

Animations:
Course materials includes a comprehensive library of animations designed to aid student learning and to provide faculty with the tools to bring core microbiology concepts into the classroom. Visualizing Microbiology students benefit from an animated learning system consisting of vibrant art, five to seven 3D animations that focus on the core topics of microbiology, and supplemental 2D animations which allow students to review and revisit the concepts from the course.

Case Studies:
Written in the personal narrative format shown to enhance long-term knowledge retention, case study patient scenarios frame each chapter/course section. Students are exposed to medical scenarios that accurately simulate true patient/care provider interactions. These realistic experiences nurture critical thinking skills while also encouraging the development of patient empathy, improving comprehension of patient compliance problems, and facilitating student understanding of transcultural health care concerns.
College Physics
1st Edition WileyPLUS Next Gen Card
Michael Tammaro & David Heskett

Product Description
Tammaro’s College Physics, 1e will convert more students from passive to active learners through a unique presentation of material built from the ground up in a digital environment. When students become “active” learners, they study “smarter” by spending time on content that will help them improve their understanding of key concepts (NOT skipping straight to the problems to find out what they don’t know). College Physics 1e is presented in WileyPLUS Learning Space which allows for gradable interactivity embedded into the reading content, promoting immediate and consistent student engagement. Research has proven that students achieve a greater depth of understanding when active learning is used in the classroom and in assignments. College Physics, 1e utilizes an assignable, module structure with frequent assessment check points at various difficulty levels to ensure maximum points of student engagement and retention.

Key Features
WileyPLUS Learning Space is a collaborative teaching and learning environment that provides immediate insight into strengths and problem areas through a combination of dynamic course materials and visual reports, so that both you and your students can act on what’s most important. With WileyPLUS Learning Space students make deeper connections as they interact with course material and each other.

Included in this course:
- ORION adaptive practice that helps students build their proficiency on topics and use their study time most effectively.
- Concept Checks: Graded multiple-choice questions are embedded into most modules to assess the student’s immediate conceptual understanding level.
- Interactive Practice Problems with Hints: Besides standard examples in the text, interactive practice problems use a series of intermediate questions that guide students toward the final answer. Interactive examples strengthen the foundation of standard examples by motivating students to use the concepts and mathematical techniques that have been learned. These problems are supported by carefully designed HINTS (over 3000 in total), written by the author.
- Practice Problems: Another resource to help students put into practice the concepts learned through reading, the practice problems are mixed into the reading to give the instructor more confidence that both the reading and problems have been completed in a way that benefits the student.
- Videos and Animations: Since physics is largely a science of motion, College Physics uses assignable videos and animations in the all-digital learning environment to illustrate concepts and provide demonstrations.

Resources and Support
Instructor Resources:
- Lecture PowerPoints highlight topics to help reinforce students’ grasp of essential concepts.
- Test Bank (Word) including multiple choice and short answer questions
- Instructors Manual
College Physics
1st Edition
Michael Tammaro & David Heskett

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

*College Physics* converts students from passive to active learners through a unique presentation of material built from the ground up in a digital environment. Research has proven that students achieve a greater depth of understanding when active learning is used in the classroom and in assignments. *College Physics* provides students with a cadence of read- interact-reinforce through an interactive learning experience. This interactive learning design in WileyPLUS helps student do more than memorize content. The rigor of the questions helps provide relevance to the reading and allows the students to form relationships around the content.

**What's Inside**

Interactive Exercises: This WileyPLUS course has been modularized to engage students in a virtual discourse of learning 24/7. Small chunks of content presented in reading or video format are followed by guided student verification points that offer feedback to ensure comprehension. These embedded verification points consist of three question types: concept checks, practice problems, and interactive examples. All assigned reading questions will report directly into the gradebook.

Animated Illustrations and Visuals: Visuals engage all types of learners. Each course section within WileyPLUS contains assignable Animated Illustrations and Videos to illustrate concepts and provide demonstrations, allowing students to visualize the science of motion.

Adaptive Practice: Every student has a different starting point, and adaptive practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve retention of information better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don't know.

**Resources**

**Instructor Resources**

- **Lecture Slides:** PowerPoint presentations cover key concepts allowing the instructor to illustrate important topics with images, figures, and problems presented throughout the course.
- **Test Bank:** Available in a printable, editable format and provides assessment questions that allow instructors to tailor examinations according to multiple learning outcomes.
- **Solutions Manual:** Complete solutions for each question, exercise, and case presented in the course.

**Student Resources**

- **Student Solutions Manual:** Full solutions to a selection of end-of- chapter problems are included.
- **Equations and Resources Booklet**
Fundamentals of Physics
11th Edition WileyPLUS NG Card
David Halliday

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

*Fundamentals of Physics, 11th Edition* is an exciting and revolutionary revision of this flagship, calculus-based physics text. Renowned for its superior problems solving skills development, reasoning skills development and emphasis on conceptual understanding, the 11th edition takes learning development to an new level. The 11th edition is inspired by “Rachel,” a student who came to every one of Jearl Walker’s office hours. Challenged by traditional learning styles, Rachel needed continuous interaction with the content and opportunities to test her knowledge. Working with Rachel, Jearl decided that there had to be a way to offer this kind of support and guided learning for all students, and harnessed the power of the digital environment to recreate the office hours experience.

In this course, interactive pathways through the course material alternate between short content presentations and interative elements like videos, animations, simulations and concept checkpoint, carefully guiding student engagement to simulate a discourse style of teaching 24/7.

What’s Inside

This entire WileyPLUS course has been modularized to engage the students in a virtual discourse of learning 24/7. Small chunks of content presented in reading or alternatively in video format are followed by guided student verification points that offer feedback to facilitate correct understanding. These verification points are included in content presentations as well as in sample problems.

Sample problems also have verification points. Problems are not simply read or watched; students have to make decisions and are then shown the correct choices if their choice is wrong. This turns student responses into a learning tool because the answers (numbers and drawings) are shown only after a student attempts to answer.

Numerous verification points ensure students are actively participating in the learning process as they proceed through the content. Completion of a path means that all the verification points along it have been met.

**ORION Adaptive Practice:** Students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don’t know.

What’s New

- **Physics Concept Simulations** – 1 to 7 Videos per section with Assessment Questions
- **MCAT Practice Questions** – Updated for the new MCAT exam style – 1 Practice Test per section
- **Student Solutions Manual**
- **The Flying Circus of Physics**
- **23 Math Help Videos Video Mini Lectures Video Sample Problems**
- **Simulation-based Problems**
- **Concept Questions as well as lecture concept check questions**
- **Physics Demonstration Videos with Assessment Questions**
- **Expanded capabilities to customize your course.**
How Things Work

6th Edition WileyPLUS Next Gen Card

Louis A. Bloomfield

How Things Work provides an accessible introduction to physics for the non-science student. Like previous editions, it employs everyday objects, with which students are familiar, in case studies to explain the most essential physics concepts of day-to-day life. Lou Bloomfield takes seemingly highly complex devices and strips away the complexity to show how at their heart are simple physics ideas. Once these concepts are understood, they can be used to understand the behavior of many devices encountered in everyday life. The sixth edition uses the power of WileyPLUS Learning Space with Orion to give students the opportunity to actively practice the physics concepts presented in this edition.

The Wiley Advantage

- NEW! WileyPLUS Learning Space (WPLS) with ORION is an easy way for students to learn, collaborate, and grow. With WileyPLUS Learning Space, students create a personalized study plan, assess progress along the way, and make deeper connections as they interact with the course material and each other. This collaborative learning environment provides immediate insight into strengths and problem areas through a combination of dynamic course materials and visual reports so that both you and your students can act on what’s most important.
- NEW! WileyPLUS Learning Space also includes ORION-integrated, adaptive practice that helps students build their proficiency on topics and use their study time most effectively.
- Over 1,000 Videos
  - Explanation videos provide additional explanations of more difficult concepts presented in the text
  - Question videos provide answers to open-ended “Questions to Think About” that appear at the beginning of each chapter section
  - Demonstration videos illustrate physics concepts and ideas, using everyday objects
  - Check Your Understanding videos provide additional context for questions and explanations provided in the text boxes of the same name
  - NEW! Animations for each chapter are based on the most difficult concepts for students to understand, therefore providing a dynamic, visual representation that improves upon the standard static images. The animations are highlighted in the text to correspond to the location in WPLS.
- Simulations of many of the book’s objects include interactive questions that turn them into virtual lab experiments.
- Interactive exercise and problems in WPLS are accompanied by feedback and assistance like links to videos, simulations and the online book.
- Active Learning Experiments: An opportunity for students to attempt demonstrations of key physics concepts on their own.
- Three-way approach to the equation of physics: Because these students respond differently to equations, they are presented carefully and in context in three different formats: word equation, symbolic equation, in a sentence that conveys the meaning of the equation in simple terms and often by example.
- NEW! Art: The art program has been updated to include reworked illustrations and graphics that provide a clearer representation of the ideas shared in the text.
- Chapters include: Introductions, experiments, itineraries, Check Your Understanding and Check Your Figure questions, epilogues, explanations of experiments, summaries, and a restatement of important laws and equations.
- Accomplished Physicist and Professor: Lou Bloomfield gives talks all over the country on teaching physics through everyday objects. He brings his wealth of experience in the field of physics to this new edition.
Matter & Interactions
4th Edition WileyPLUS Next Gen Card
Ruth W. Chabay

The 4th edition of Chabay and Sherwood's *Matter and Interactions* is the first to offer WileyPlus online homework. WileyPlus for Matter and Interactions offers every end of chapter problem in the text and a fully integrated etext. WileyPlus provides the support instructors need to efficiently and effectively manage their classrooms, and improve student performance.

WileyPLUS Features

- Provides algorithmically generated problems
- Includes every end of chapter problem in the text
- Includes the E-Book and links students from individual problems back to the relevant chapter content
Physics
11th Edition WileyPLUS Next Gen Card
John D. Cutnell

The next generation of WileyPLUS gives you the freedom and flexibility to tailor physics content and easily manage your course in order to keep students engaged and on track.

Physics, 11th Edition continues to builds on rich multimedia enhancements that bring the text alive, encouraging enhanced student engagement through the next generation of WileyPLUS. The adaptive study guide diagnoses student’s strengths and weaknesses, leading them to the content and media needed to help them effectively learn. Most adaptive practice problems now have hints and feedback. The next generation of WileyPLUS for the 11th edition includes 259 new pre-lecture videos, one for each course section, that explain the basic concepts and learning objectives to be covered. In addition, 160 chalkboard problem-solving videos, guided online tutorials in every section, and vector drawing questions enrich a highly customizable digital experience. These features are designed to encourage students to remain within the WileyPLUS environment as opposed to pursuing the “pay-for-solutions” websites and searching uncurated web content that short circuits and can confuse the learning process.

Customizable Content

Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks

You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge at all levels.

Linear Design and Organization

Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

What’s Inside

259 Pre-Lecture Video Animations: Author narrated, these short lectures introduce each section by explaining the basic concepts and learning objectives to be covered. Each video is accompanied by questions that can be assigned and graded within WileyPLUS. This functionality is well suited for “flipping the classroom,” or in conventional lecturing.

160 Chalkboard Videos: Created by the authors, these videos guide the student step-by-step to a practical solution such as the student might reach during office hours consulting with his or her professor.

Vector Drawing Questions: This feature is one of the most important techniques developed in the course for solving problems involving multiple forces in the free-body diagram (FBD). Many problems in the force-intensive sections that take advantage of FBD capabilities are available online in WileyPLUS where students can construct and be graded on their FBDs.
Advanced Engineering Mathematics
10th Edition WileyPLUS Next Gen Card
Erwin Kreyszig

This market-leading text is known for its comprehensive coverage, careful and correct mathematics, outstanding exercises, and self-contained chapters and sections for maximum flexibility. The 10th edition Technology Update continues the tradition of providing instructors and students with a comprehensive resource for teaching and learning engineering mathematics, that is, applied mathematics for engineers and physicists, mathematicians and computer scientists, as well as students of other disciplines.

The Wiley Advantage

- **Simplicity of Examples**: To make the book teachable, why choose complicated examples when well-written simple ones are as instructive or even better?
- **Independence of Chapters**: To provide flexibility in tailoring courses to a variety of needs.
- **Thorough Presentation**: Except for a few clearly marked places where a proof would exceed the level of the book and a reference is given instead.
- **Modern Standard Notation**: To help students with other courses, modern books, and mathematical and engineering journals.

WileyPLUS is a research-based online environment for effective teaching and learning. WileyPLUS is packed with interactive study tools and resources—including the complete online textbook—to give your students more value for their money. With WileyPLUS, students will succeed in Mathematics for Engineering.

New To This Program

- The new All Access Pack allows students to come fully prepared to class with one easy package
- The updated WileyPLUS course includes 200 new and revised questions, now totaling 1,045 accuracy-checked questions

Brand new Study Guide with Applications is now available as a supplement and is included in the AAP with the Kreyszig 10/e e-text and WileyPLUS. www.wiley.com/college/kreyszig

Resources and Support

The Wiley Faculty Network partners with researchers and faculty to provide the support and expertise you need to design your online course and enhance your instructional efficiency. Connect with one of 80+ Wiley Faculty Network Mentors and attend Online Events and Info Sessions to receive insight and guidance that is tailored to your needs at www.WhereFacultyConnect.com.

Instructor & Student Companion Sites are available at wiley.com/college/kreyszig and include the following resources

**Student Resources:**

- Student Study Guide with Applications

**Instructor Resources:**

- Instructor Solutions Manual
Elementary Differential Equations and Boundary Value Problems
11th Edition WileyPLUS Next Gen Card
William E. Boyce

Product Description

*Elementary Differential Equations 11e*, like its predecessors, is written from the viewpoint of the applied mathematician, whose interest in differential equations may sometimes be quite theoretical, sometimes intensely practical, and often somewhere in between. The authors have sought to combine a sound and accurate (but not abstract) exposition of the elementary theory of differential equations with considerable material on methods of solution, analysis, and approximation that have proved useful in a wide variety of applications. While the general structure of the book remains unchanged, some notable changes have been made to improve the clarity and readability of basic material about differential equations and their applications. In addition to expanded explanations, the 10th edition includes new problems, updated figures and examples to help motivate students.

The program is primarily intended for undergraduate students of mathematics, science, or engineering, who typically take a course on differential equations during their first or second year of study. The main prerequisite for engaging with the program is a working knowledge of calculus, gained from a normal two- or three-semester course sequence or its equivalent. Some familiarity with matrices will also be helpful in the chapters on systems of differential equations.

Key Features

- **A flexible approach to content.** Self-contained chapters allow instructors to customize the selection, order, and depth of chapters.
- **A flexible approach to technology.** Boyce/DiPrima is adaptable to courses having various levels of computer involvement, ranging from little or none to intensive. More than 450 problems are marked with a technology icon to indicate those that are considered to be technology intensive.
- **Sound and accurate exposition of theory.** Special attention is made to methods of solution, analysis, and approximation.
- **Outstanding exercise sets.** Boyce/DiPrima remains unrivaled in quantity, variety, and range providing great flexibility in homework assignments.

Resources

WileyPLUS:

Instructor Resources

- **NEW!** Math Maple Question Type
- Instructor’s Solutions Manual
- PowerPoint slides
- Chapter Review Sheets
- Boyce Projects
- Interactive Demonstrations Applets
- Interactive Demonstrations Assignments
- Maple™ Technology Resources
- Mathematica™ Technology Resources
- Matlab™ Technology Resources
- Image Gallery
- Art PowerPoint slides
- Diploma Computerized Test Bank
Precalculus
3rd Edition WileyPLUS Next Gen Card
Cynthia Y. Young

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

Precalculus, 3rd Edition was developed to create a program that seamlessly aligns with how teachers teach and fully supports student learning. Cynthia Young’s goal was to create an intuitive, supportive program for students without sacrificing the rigor needed for true conceptual understanding and preparation for Calculus. Precalculus helps bridge the gap between classroom lessons and homework by mirroring the instructor voice outside the classroom through digital resources and pedagogical features.

What’s Inside

Parallel Words and Math: This course reverses the common presentation of examples by placing the explanation in words on the left and the mathematics problem on the right. This makes it easier for students to read through examples as the material flows more naturally and appears as information is commonly presented in lectures.

New Interactive Animations based on Cynthia Young’s lectures. Interactive animations were created to help students build a solid conceptual understanding of specific learning objectives by delivering learning content integrated with interactive questions to guide and solidify students’ foundational knowledge of the topic.

Your Turn problems: Students are frequently asked to work a problem immediately following an example to reinforce and check their understanding. This feature helps students build confidence as they progress in the course. These problems are ideal in-class activities that prepare students for their homework assignments.

ORION Adaptive Practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve information retention better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not.

What’s New

Author Lecture Videos: Video lectures provide an opening overview for each chapter and section level worked example videos for the topics students find the most challenging.

New Math Maple questions: These question types are HTML5 based and fully mobile to enable functionality demanded by the modern student.

ORION Algebra Refresher Module: Every student comes to class with a different set of mastered prerequisite skills. The Algebra Refresher Module helps students and instructors identify prerequisite knowledge gaps and provides adaptive remediation to prepare all students for success.

Catch the Mistake exercises: “Catch the Mistake” exercises included in each course section put students in the role of the instructor grading homework, which increases the students’ depth of understanding and reinforces what they have learned.

Correct vs. Incorrect examples: In addition to standard examples, some problems are worked both correctly and incorrectly to highlight common errors students make. Counter examples like these are an effective learning approach for many students.

Modeling Our World projects: Found online for every course section, these projects engage students by using real world data to model mathematical applications found in everyday life.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor microbiology content and easily manage your course in order to keep students engaged and on track.

When course materials are presented in an organized way, students are more likely to stay focused, develop mastery, and participate in class. The next generation of WileyPLUS for Microbiology gives students a clear path through the content and provides the resources and practice necessary to understanding the real-world applications of microbiology. High quality 3-D animations, chapter videos, and primary research-based assessments provide in-depth coverage of core concepts while incorporating many relevant applications and a unique focus on current research and experimentation. Information is framed around the three pillars of physiology, ecology and genetics, highlighting their interconnectedness and helping students see a bigger picture.

**Linear Design and Organization**

Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

**Adaptive Practice**

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

**Interactive eTextbook**

Students can easily search content, highlight and take notes, access instructor's notes and highlights, and read offline.

**Customized Content**

Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

**What's Inside**

**3-D Animations**

3-D animations bring course content to life and help students visualize and master complex topics in microbiology. A series of gradable assessments specific to the animations are assignable in the next generation of WileyPLUS.

**Chapter Opener and “Rest of the Story” Videos**

Videos introduce each chapter by providing current examples of microbiology in action or detail on a historically relevant discovery. “Rest of the story” videos reconnect students to the opening videos helping them make deeper connections with the content.

**Primary Research Article Summaries**

Students are exposed to primary literature to high-light real-world microbiology and help build critical thinking skills. Mini-Papers within each chapter summarize and interpret primary research articles to sharpen students’ critical thinking skills and deepen their understanding of what microbiologists do.
Nutrition
NextGen Card
Lori A. Smolin & Mary B. Grosvenor

The next generation of WileyPLUS gives you the freedom and flexibility to tailor nutrition content and easily manage your course in order to keep students engaged and on track.

Nutrition: Science and Applications gives you and your students clear visibility into areas of strengths and weaknesses so that you can use this information to build a learning path to success together. Regardless of a student’s level of motivation, research tells us that every type of learner thrives in an environment that provides structure, opportunities for practice, and guidance. And when students are given clear direction from the start, they’re more likely to stay with the course and put in more effort. Nutrition equips students with the resources they need to understand challenging concepts and, through the next generation of WileyPLUS, provides a customizable learning path full of rich resources and dietary analysis software to allow students to apply the logic of science to their own nutritional decisions.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Customized Content
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

Drag-and-Drop Customization
Quick reordering of learning objectives and modules lets you match content to your needs.

What’s Inside
Ten new videos focus on the most current, relevant topics in nutrition such as the new food label regulations, meeting protein needs with vegan diets, herbal supplements, and biotechnology. All videos have accompanying assessments.

Multimedia Content Increases Student Engagement: Ten new videos focus on the most current, relevant topics in nutrition such as the new food label regulations, meeting protein needs with vegan diets, herbal supplements, and biotechnology. All videos have accompanying assessments.

Students Build Analytical Skills: Twelve drag-and-drop digital interactivities focus on food sources and qualities for the macro-and micro-nutrient chapters.

Adaptive Practice: Every student has a different starting point, and adaptive practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve retention of information better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not. Students begin with a quick, section-level diagnostic to determine their initial level of understanding, and they can use the dashboard and quick reports to see what topics they know and don’t know.
Visualizing Nutrition

Everyday Choices, 4th Edition WileyPLUS NG Card
Mary B. Grosvenor & Lori A. Smolin

The next generation of WileyPLUS gives you the freedom and flexibility to tailor nutrition content and easily manage your course in order to keep students engaged and on track.

Visualizing Nutrition offers students a valuable opportunity to identify and connect the central issues of nutritional science in a visual approach. The integration of metabolism throughout the text provides greater context, and fosters development of real world connections.

As students explore important nutrition topics, they are immersed in content that not only provides valuable scientific understanding, but demonstrates relevance to their personal lives. WileyPLUS (next generation) provides students with robust multimedia resources such as the “Food for Thought” video series that underscores the importance of nutritional science. Students are challenged and taught good decision-making skills needed to navigate the countless choices they will face in promoting their health and in preventing disease. Visualizing Nutrition’s critical thinking approach and a solid underpinning of the process of science empowers students to be knowledgeable consumers when faced with decisions about what to eat, and WileyPLUS (next generation) provides a clear learning path to understanding as well as the necessary tools for dietary analysis.

Linear Design and Organization

Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Adaptive Practice

Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Drag-and-Drop Customization

Quick reordering of learning objectives and modules lets you match content to your needs.

Customized Content

Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

What’s Inside

Food For Thought: This extensive video suite is available through the next generation of WileyPLUS. Videos introduce students to upcoming chapter concepts, underscore the importance of nutritional choices on health, illuminate difficult scientific concepts, and point out helpful practice opportunities and resources in WileyPLUS (next generation) to help them focus their time and study effectively. Assignable question sets are available for all videos. Instructor tips videos and an instructor’s manual are also provided, which demonstrate section-specific teaching tips and strategies suitable for all different types of classroom environments, including online and flipped classrooms.

iProfile Dietary Analysis Software: This feature includes information on over 50,000 foods, including ethnic, cultural, and popular brand-name choices. With a newly updated food database, users can track intake, add foods, and calculate the impact of physical activity. Serving size animations, a self-discovery survey, single-nutrient reports, menu planning and more make it a valuable tool.
Organic Chemistry
12th Edition WileyPLUS Next Gen Card
T. W. Graham Solomons, Craig B. Fryhle & Scott A. Snyder

The next generation of WileyPLUS gives you the freedom and flexibility to tailor organic chemistry content and easily manage your course in order to keep students engaged and on track.

Organic Chemistry strikes the perfect balance between theory and practice with a combination of interactive concept maps, mechanism and reaction explorer practice, and video walkthroughs. Through an interactive approach, students learn how to put the pieces of organic chemistry together to solve problems. The next generation of WileyPLUS provides a linear design and high level of customization to help keep students engaged in a clear learning path through their course material, while also providing the necessary practices and resources needed for concept mastery. WileyPLUS for Organic Chemistry includes Adaptive Practice to help students build proficiency on topics and use their study time most effectively.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Pre-Requisites and Requirements
When setting up the course, you have control not just over the content, but also the pacing. You can set pre-requisites or requirements before students can move on to the next topic.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded question banks that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

What’s Inside
Interactive maps: Interactive Concept Maps let students test their knowledge of synthetic connections and summaries of reactions.

Step-by-Step Videos: Mechanism Walkthrough Videos review the mechanisms presented in each section, giving students extra visual guidance to help them master the concepts.

Solved Problem Videos: Solved Problem Videos demonstrate effective problem-solving strategies by walking students through problems using audio and a whiteboard.

Video Mini Lectures: These videos focus on explaining challenging concepts from each chapter. They are perfect for flipped/hybrid classes or as a supplement to the traditional lecture.

Reaction, Mechanism, Synthesis Explorer Drills: Using Reaction Explorer, students complete reactions and get the necessary drill-and-practice to learn the correct steps along the way.

GO Tutorial Problems: Gradable questions with guided explanations help students understand the processes necessary for concept mastery.
Organic Chemistry
David R. Klein

The next generation of WileyPLUS gives you the freedom and flexibility to tailor organic chemistry content and easily manage your course in order to keep students engaged and on track.

The hallmark of Organic Chemistry is an emphasis on skills development and helping students make connections between theory and practice. The next generation of WileyPLUS provides numerous opportunities for students to practice problem solving skill development in Organic Chemistry, including SkillBuilder problems, literature-based mid-level and challenge problems, and ACS style questions. Regardless of a student's level of motivation, research tells us that every type of learner thrives in an environment that provides structure, opportunities for practice, and guidance. And when students are given clear direction from the start, they're more likely to stay with the course and put in more effort.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, lecture and solution walk-through videos, and practice questions.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded questions that align with learning objectives and test students’ knowledge at all levels of Bloom’s Taxonomy.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

What’s New
SkillBuilders: Skillbuilders are the hallmark of Organic Chemistry’s pedagogy.

Skills-based instruction was designed to address the disconnect in organic chemistry between theory and practice. Each SkillBuilder contains 3 parts:

1. Learn the Skill contains a solved problem that demonstrates a particular skill.
2. Practice the Skill includes numerous problems (similar to the solved problem in Learn the Skill) that give students valuable opportunities to practice and master the skill.
3. Apply the Skill contains one or two more challenging problems in which the student must apply the skill in a slightly different environment. These problems include conceptual, cumulative, and applied problems that encourage students to think outside of the box.

An Expanded Collection of Literature-Based Problems: Literature-based problems were written to help bridge the gap between organic chemistry theory and real-world practice. These problems are now offered at both a medium and challenging level of difficulty and will expose students to the fact that organic chemistry is an evolving, active branch of science central to addressing global challenges. The literature-based problems are more challenging than the problems presented in the course's SkillBuilders because they require students to think outside the box and to predict or explain an unexpected observation. All of these problems are based on the chemical literature and include references.
Algebra and Trigonometry
4th Edition WileyPLUS Next Gen Card
Cynthia Y. Young

Product Description
Cynthia Young’s *Algebra & Trigonometry 4e* will include Wiley’s seamlessly integrated adaptive WileyPLUS ORION program, (covering core content from Beginning Algebra through College Algebra) for the first time. WileyPLUS ORION is an exciting new element that will allow instructors and learners to successfully “bridge the gap” between classroom instruction and independent homework. WileyPLUS ORION and the Young program allow students to take the guesswork out of studying by providing them with a clear roadmap: what to do, how to do it, and whether they did it right, while seamlessly integrating to Young’s learning content. *Algebra & Trigonometry 4e* is written in a clear, single voice that speaks to students and mirrors how instructors communicate in lecture. Young’s hallmark pedagogy enables students to become independent, successful learners. Varied exercise types and modeling projects keep the learning fresh and motivating. *Algebra & Trigonometry 4e* continues Young’s tradition of fostering a love for succeeding in mathematics.

Key Features
WileyPLUS has been substantially revised and improved since the 3rd edition of *Algebra & Trigonometry*. It now includes the addition of ORION. ORION is an adaptive practice engine integrated into WileyPLUS that can connect directly into the WileyPLUS gradebook, or into your campus Learning Management System gradebook. Wiley has also created ORION Algebra Refresher Module (ARM). ARM helps students to succeed even if they come to the first day of class with lacking prerequisite algebra skills.

Wiley has been incorporating ORION into WileyPLUS courses for over five years, including the Young, *Precalculus* program. ORION brings the power of adaptive learning to help students spend study sessions more effectively with personalized practice for each Chapter and Section learning objective.

Other new WileyPLUS Features Include:
- Maple Math Problem Type
- Interactive Animations
- Secure Testing with Respondus Lock-Down Browser
- Fully Tablet Compatible

Resources
WileyPLUS:

Instructor Resources
- ORION Adaptive Practice Reports
- Respondus Lock-Down Browser
- Instructor’s Solutions Manual
- Instructor’s Manual
- Cynthia Young digital top 10 Teaching Tips
- PowerPoint Slides
- Print Test Bank
- Computerized (WileyPLUS and Diploma) Test Bank
College Algebra
4th Edition WileyPLUS NextGen Card
Cynthia Y. Young

Product Description
Cynthia Young’s *College Algebra 4e* will include Wiley's seamlessly integrated adaptive WileyPLUS ORION program, covering core content from Beginning Algebra through College Algebra) for the first time. WileyPLUS ORION is an exciting new element that will allow instructors and learners to successfully “bridge the gap” between classroom instruction and independent homework. WileyPLUS ORION and the Young program allow students to take the guesswork out of studying by providing them with a clear roadmap: what to do, how to do it, and whether they did it right, while seamlessly integrating to Young’s learning content. *College Algebra 4e* is written in a clear, single voice that speaks to students and mirrors how instructors communicate in lecture. Young’s hallmark pedagogy enables students to become independent, successful learners. Varied exercise types and modeling projects keep the learning fresh and motivating. *College Algebra 4e* continues Young’s tradition of fostering a love for succeeding in mathematics.

Key Features
WileyPLUS has been substantially revised and improved since the 3rd edition of *College Algebra*. It now includes the addition of ORION. ORION is an adaptive practice engine integrated into WileyPLUS that can connect directly into the WileyPLUS gradebook, or into your campus Learning Management System gradebook. Wiley has also created ORION Algebra Refresher Module (ARM). ARM helps students to succeed even if they come to the first day of class with lacking prerequisite algebra skills.

Wiley has been incorporating ORION into WileyPLUS courses for over five years, including the Young, *Precalculus* program. ORION brings the power of adaptive learning to help students spend study sessions more effectively with personalized practice for each Chapter and Section learning objective.

Other new WileyPLUS Features Include:
Maple Math Problem Type, Interactive Animations, Secure Testing with Respondus Lock-Down Browser, Fully Tablet Compatible.

Resources
WileyPLUS:

Instructor Resources
- ORION Adaptive Practice Reports
- Respondus Lock-Down Browser
- Instructor’s Solutions Manual
- Instructor’s Manual
- Cynthia Young digital top 10 Teaching Tips
- PowerPoint Slides
- Test Bank
- Computerized (WileyPLUS and Diploma) Test Bank
Explorations in College Algebra
6th Edition WileyPLUS Next Gen Card
Linda Almgren Kime, Judith Clark & Beverly K. Michael

WileyPLUS is an online teaching and learning platform that helps instructors and students achieve educational success.

The overarching goal of *Explorations in College Algebra* is to reshape the College Algebra course to make it more relevant and accessible to all students. This is achieved by shifting the focus from learning a set of discrete mechanical rules to exploring how algebra is used in social and physical sciences and the world around you. By connecting mathematics to real-life situations, students come to appreciate its power and beauty.

**What’s Inside**

Math Maple Questions Type: The feature provides a modern HTML5-based pallet which can be used on any device and will accept mathematically equivalent expressions.

Example Videos: The course includes videos which provide detailed, step-by-step instructions for solving various problem types.

Print Capability: Online Course content can be printed and has copy/paste, note taking, and other helpful features.

ORION Adaptive Practice provides endless opportunities for practice to effectively prepare for class or quizzes and exams. Active retrieval of information with practice questions is proven to improve information retention better than re-reading or reviewing the material, and students who use adaptive practice to prepare for exams do significantly better than those who do not.

**HALLMARK Features**

**Print Capability:** Online Course content can be printed and has copy/paste, note taking, and other helpful features.

**Algebra Aerobics** are collections of skill-building practice problems found in each section. All of the answers are in the back of the text.

**Exercises and Examples** include real-life problems with extensive data sets as well as skill-based problems.

**Explore & Extend** are short explorations that provide students and instructors with ideas for going deeper into topics or previewing new concepts. They can be found within the WileyPLUS course and e-book.

**Explorations** are extensive problem solving situations available for each chapter in the WileyPLUS course and e-book that can be used for small group or individual projects.

**Lecture Slides:** PowerPoint presentations cover key concepts allowing the instructor to illustrate important topics with images, figures, and problems presented throughout the course.

**Graphing Calculator Manual:** Explains the functions of the built-in graphing calculator.

**ORION Algebra Refresher Module:** Every student comes to class with a different set of mastered prerequisite skills. The Algebra Refresher Module helps students and instructors identify prerequisite knowledge gaps and provides adaptive remediation to prepare all students for success.

**Expanded capabilities to customize your course.** Do you have your own questions you want programmed, or content removed or created especially for your course and your school? Maybe there is a paper practice set you’ve been using and want to make it an algorithmic, auto-graded experience in your WileyPLUS course. Wiley now offers course and instructional design services for our WileyPLUS users.
Functions Modeling Change
A Preparation for Calculus, 6th Edition
Eric Connally, Deborah Hughes-Hallett & Andrew M. Gleason

WileyPLUS next generation provides a flexible platform with customizable content to elevate students’ experience in the modern classroom.

*Functions Modeling Change*, 6th edition prepares students for Calculus by stressing conceptual understanding and the connections among mathematical ideas. The authors emphasize depth of understanding rather than breadth of coverage. Each function is presented symbolically, numerically, graphically and verbally (the Rule of Four.) Students are encouraged to create mathematical models that relate to the world around them and are exposed to a large number of real-world applications, examples, and problems. Algorithmic auto-graded homework questions and adaptive practice provide metrics and analytics to support a data-driven approach to engaging students. A robust collection of skill refresher questions and co-requisite content round out a comprehensive assessment program.

**Linear Design and Organization**
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

**Adaptive Practice**
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

**Interactive eTextbook**
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

**Customized Content**
Using the content editor, you can add videos, documents, pages, or relevant links to keep students motivated.

**What’s New**

- **Active Learning Worksheets** facilitate classroom engagement, flipped model and online course implementation. Coupled with the hallmark ConcepTest questions developed by Eric Mazur, they provide a great foundation for supporting an active learning environment.

- **Foundational Co-Requisite Content** has been added as a digital Appendix covering: Linear Equations and Inequalities, Factoring, Completing the Square, Exponents, and Algebraic Fractions.

- **Skill-Refresher Problem Sets** Skill and drill based problems that go over pre-requisite topics are now provided for every section of the text.

- **1350 All-NEW Questions** An extensive set of author-developed end-of-section questions have been added to the new 6e course. Over 600 of these are section-level Skill Refresher questions.
The next generation of WileyPLUS gives you the freedom and flexibility to tailor trigonometry content and easily manage your course in order to keep students engaged and on track.

Trigonometry brings together all the elements that have allowed instructors and learners to successfully “bridge the gap” between classroom instruction and independent homework. Presented in a clear voice that speaks to students and mirrors how instructors communicate in lectures, the course enables students to overcome common learning barriers and builds confidence in their ability to do mathematics. Varied exercise types and modeling projects keep the learning fresh and motivating. The course introduces inquiry-based learning projects, providing learners an opportunity to master the material with more freedom while reinforcing mathematical skills and intuition. The next generation of WileyPLUS provides a flexible platform with customizable content to elevate students’ experience in the modern classroom. Algorithmic auto-graded homework questions and adaptive practice with many viewable metrics and analytics provide a comprehensive, data-driven approach to engage students.

Linear Design and Organization
Customizable modules organized by learning objective include eTextbook content, interactive tutorials, and solution walkthrough videos.

Adaptive Practice
Adaptive Practice provides targeted and personalized opportunities for practice to effectively prepare for class or quizzes and exams.

Recommended Assignments and Quality Question Banks
You can easily customize recommended assignments or select from thousands of assignable algorithmic auto-graded questions that align with learning objectives and test students’ knowledge at all levels of Bloom's Taxonomy.

Interactive eTextbook
Students can easily search content, highlight and take notes, access instructor’s notes and highlights, and read offline.

What’s New
Author Lecture Videos Cynthia Young's over 270 instructional videos mirror the instructor’s voice outside the classroom. The Cynthia Young Lecture Videos provide worked examples of the most difficult concepts in each chapter and section of the course.

Your Turn problems. Students are often asked to work a problem immediately following an example to reinforce and check their understanding. This helps them build confidence as they progress in the chapter. These are ideal for in-class activity and preparing the student to work homework later.

Interactive Animations demonstrate core material. The Interactive Animations help students build a solid base of conceptual understanding of the early material covered in algebra. These animations reinforce skills with Skill Checks throughout the viewing process.

Adaptive Practice offers students unlimited practice at the learning objective level for all chapters and sections in the program, providing a clear and actionable plan to help identify knowledge gaps. Instructors benefit from actionable analytics that show exactly where each student is excelling, as well as where the class is on topics and learning objectives.
Mechanics of Materials
An Integrated Learning System, 4th Edition
WileyPLUS NG Card
Timothy A. Philpot

Product Description


Key Features

- **Focuses on Visual Learning:** The illustrations use color, shading, perspective, and dimension to clearly convey concepts while striving to place these concepts in the context of real world components and objects. These illustrations have been prepared by an engineer and educator (the author), to train future engineers.
- **Problem-solving schema:** The book and web-based features are designed to assist students in organizing and categorizing concepts and problem-solving procedures.
- **Style and clarity of examples:** This textbook places great emphasis on the presentation and quality of example problems. The author’s commentary explains why various steps are taken and describes the rationale for each step in a solution process while the accompanying illustrations help build the mental imagery needed to transfer the concepts to differing situations.

New to This Edition

- **Several new topics have been added to the fourth edition**
  - 8.10 Bending of Curved Bars
  - 13.9 Generalized Hooke’s Law for Orthotropic Materials
  - 14.5 Stresses in Thick-Walled Cylinders
  - 14.6 Deformations in Thick-Walled Cylinders
  - 14.7 Interference Fits
- **Updated chapter content and new examples:** Especially in Chapters 8, 9, 13 and 14.
  - Extensive changes to the textbook problems. More than 430 new problems have been developed. In 10 of the 17 chapters, more than 60% of the textbook problems are new for this edition.

WileyPLUS with ORION

WileyPLUS is an online teaching and learning platform that helps you and your students achieve educational success. WileyPLUS gives students opportunities for practice, organizes learning to show connections between assessment and learning content, and tracks progress to help students stay on path for success. Included in this course:

- **ORION** adaptive practice that helps students build their proficiency on topics and use their study time most effectively. Using WileyPLUS and ORION, students are able to learn complex concepts more efficiently than just reading alone.
- **MecMovies** instructional software consists of over 160 animations. Most present detailed example problems and about 80 are interactive, providing learners with the opportunity to apply concepts and receive immediate feedback that includes key considerations, calculation details, and intermediate results.
Fundamentals of Engineering Thermodynamics
9th Edition WileyPLUS Next Gen Card
Michael J. Moran, Howard N. Shapiro, Daisie D. Boettner & Margaret B. Bailey

Fundamentals of Engineering Thermodynamics, 9e WileyPLUS sets the standard for teaching students how to be effective problem solvers. Integrated throughout the course are real-world applications that emphasize the relevance of thermodynamics principles to some of the most critical problems and issues of today. These include a wealth of coverage on topics related to energy and the environment, biomedical/bioengineering, and emerging technologies.

Student Practice Modules:
- Approximately 100 “Check Your Understanding” questions
- Approximately 100 automatically-graded problems providing student with the ability to check their work against official step-by-step solutions (text or video format)

Video Examples: The course includes approximately 45 video examples that walk students step-by-step through example problems, including helpful hints about common mistakes, problem-solving method tradeoffs, etc.

Algorithmically-Generated Homework Problems: The course includes approximately 600 algorithmically-generated homework problems that provide immediate feedback to students.

Check Your Understanding Questions: The course includes approximately 700 Check Your Understanding questions.

What’s New

Interior Design Update: A crisp new interior design has been implemented to help students better understand the subject matter and better appreciate the relevance of engineering in society.

An updated introductory roadmap to the course’s core features. Key aspects of fundamentals and applications within the course have been enhanced.

Interactive Thermodynamics: IT software is available as a stand-alone product or with the course. IT is a highly valuable learning tool that allows students to develop engineering models, perform “what-if” analyses, and examine principles in more detail to enhance their learning. Brief tutorials of IT are included within the course and the use of IT is illustrated within selected solved examples. Skillful use of tables and property diagrams is prerequisite for the effective use of software to retrieve thermodynamic property data. The latest version of IT provides data for CO2 (R-744) and R-410A, using as its source Mini REFPROP by permission of the National Institute of Standards and Technology (NIST).
Fundamentals of Heat and Mass Transfer
8th Edition WileyPLUS Next Gen Card
Theodore L. Bergman, Adrienne S. Lavine & Frank P. Incropera & David P. DeWitt

*Fundamentals of Heat and Mass Transfer* has been the gold standard of heat transfer pedagogy for many decades, with a commitment to continuous improvement by four authors with more than 150 years of combined experience in heat transfer education, research and practice. Applying the rigorous and systematic problem-solving methodology that this text pioneered, an abundance of examples and problems reveal the richness and beauty of the discipline. This edition makes heat and mass transfer more approachable by giving additional emphasis to fundamental concepts, while highlighting the relevance of two of today's most critical issues: energy and the environment.

**Wiley Plus**

This edition is the first to feature WileyPLUS, an online teaching and learning platform that helps you and your students achieve educational success. WileyPLUS gives students opportunities for practice, organizes learning to show connections between assessment and learning content, and tracks progress to help students stay on path for success.

*What do students receive with WileyPLUS?*

- An E-book version of the print text that features hyperlinks to questions, definitions, and supplements for quick and easy support.
- Immediate feedback and question assistance, including links to relevant sections in the digital textbook and solutions to selected problems
- Checking Understanding Questions which students can use to test their understanding of topics, or instructors can assign as a Pre-Lecture Quiz.

*What do instructors receive with WileyPLUS?*

- Homework management tools, which enable the instructor to easily assign and automatically grade problems.
- QuickStart reading and homework assignments that can be used as-is or customized.
- Media-rich course materials including Instructor Solutions Manual, Lecture Slides, and Image Gallery.
- Auto-gradable Guided Online (GO) Tutorials and Multistep Problems, which enable students to learn problem-solving strategies step-by-step and pinpoint exactly where they are making mistakes.

**Key Features**

- The presentation is built around four central learning objectives:
  1. The reader should internalize the meaning of the terminology and physical principles associated with heat transfer.
  2. The reader should be able to delineate pertinent transport phenomena for any process or system involving heat transfer.
  3. The reader should be able to use requisite inputs for computing heat transfer rates and/or material temperatures.
  4. The reader should be able to develop representative models of real processes and systems and draw conclusions concerning process/system design or performance from the attendant analysis.
Munson, Young and Okiishi’s Fundamentals of Fluid Mechanics
8th Edition WileyPLUS NextGen Card
Philip M. Gerhart, Andrew L. Gerhart & John I. Hochstein

Fundamentals of Fluid Mechanics offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed.

The Wiley Advantage
Learning Objectives at the beginning of each chapter, and the Chapter Summary, Study Guide and Equation Summary at the end of each chapter, guide the reader in the key knowledge they are to gain from the chapter.

Hundreds of photos, illustrations, and videos help students visualize fluid flow, and connect the math and theory to physical real-world applications.

The Wide World of Fluids: Short stories that demonstrate some of the latest ways that fluid mechanics affects our lives, many with associated homework problems.

Problem-solving methodology in example problems: All of the example problems are outlined and carried out with the problem-solving framework of “Given, Find, Solution, and Comment” to instill in students good problem-solving practices.

Homework problems stress the practical application of principles: Problems include simple to complex problems, discussion problems, and problems based on the fluids videos.

New To this Edition
- Self-Contained Material that had been removed from the text and provided only on-line has been brought back into the text. Most notable are Section 5.4 on the second law of thermodynamics and useful energy loss and Appendix E containing units conversion factors.
- Compressible Flow Chapter 11 on compressible flow has been extensively reorganized and a limited amount of new material added. All have special emphasis on engineering applications of the material. Example solutions employ tabulated compressible flow functions as well as graphs.
- Appendices Compressible flow function tables have been added to Appendix D. A new extensive set of units conversion factors in a useful and compact format appears in Appendix E.
- Computational Fluid Dynamics (CFD) Provides a description of many of the challenges and practices that characterize widely-used CFD codes. The aim is twofold: to show how reasonably complex flows can be computed and to foster a healthy skepticism in the non-specialist. This material is presented in an expanded Appendix A.

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