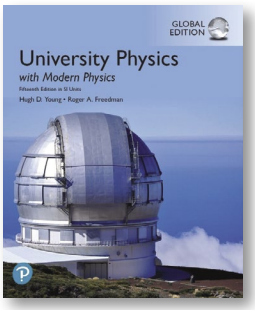
Physics

Calculus-Based Physics



University Physics with Modern Physics, 15e

Hugh D. Young
& Roger A. Freedman

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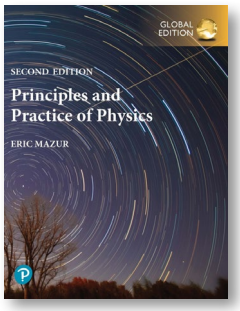
Course: Calculus-Based Physics

The 15th Edition of *University Physics with Modern Physics*, now in SI Units, draws on insights from several users to help students see patterns and make connections between problem types. Students learn to recognize when to use similar steps in solving the same problem type and develop an understanding for problem solving approaches, rather than simply plugging values into an equation. Includes new features designed to address students' tendency to focus on the objects and situations posed in a problem, rather than recognizing the underlying principle or the problem type.



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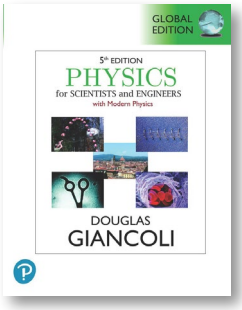
Principles and Practice of Physics establishes an understanding of physics that is thorough and accessible. The author's peer-to-peer instruction techniques incorporate insights supported by physics education research to help students develop a true conceptual understanding alongside the quantitative skills needed in the course. The material emphasizes core unifying ideas with the first half of each chapter teaching the ideas using words and images – not mathematics. The second half of each chapter casts the ideas into quantitative and symbolic form.



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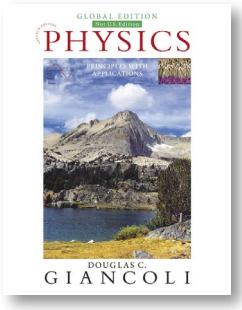
Course: Calculus-Based Physics

Physics for Scientists and Engineers offers a clear and direct narrative with applications that draw the student into the physics at hand – covering the basic concepts of physics in all its aspects, from mechanics to modern physics. Each topic begins with concrete observations and experiences that students can relate to their everyday lives and future professions, and then moves to more formal aspects of physics to show why we believe what we believe.This edition presents a wide range of new applications including the physics of digital and added approaches for practical problem-solving techniques.

Algebra-Based Physics



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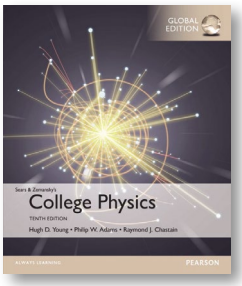
Giancoli's text is a trusted classic, known for its elegant writing, clear presentation and quality of content. Using concrete observations and experiences students can relate to, the text features an approach that reflects how science is actually practiced: it starts with the specifics, then moves to the great generalizations and the more formal aspects of a topic to show students why we believe what we believe.



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Hugh D. Young, Philip W. Adams & Raymond Joseph Chastain

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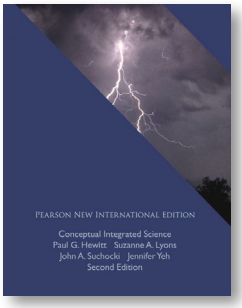
For more than five decades, *College Physics* has provided the most reliable foundation of physics education for students around the world. New co-authors Phil Adams and Ray Chastain thoroughly revised the Tenth Edition by incorporating the latest methods from educational research. New features help students develop greater confidence in solving problems, deepen conceptual understanding and strengthen quantitative-reasoning skills, while helping them connect what they learn with their other courses and the changing world around them.

Basic Physics



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This best-selling introduction to the physical and life sciences emphasizes concepts over computation and treats equations as a guide to thinking so the reader can connect ideas. It is ideal for courses in Physical Science for non-science students.

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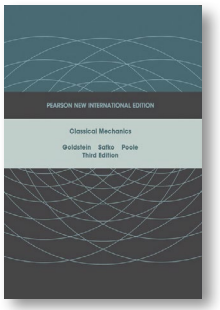

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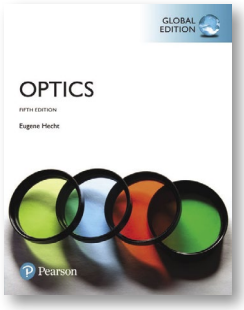

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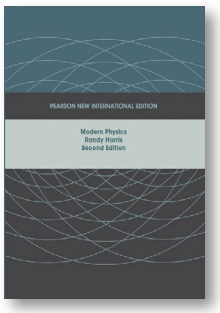
Advanced Physics – Modern Physics



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Randy Harris

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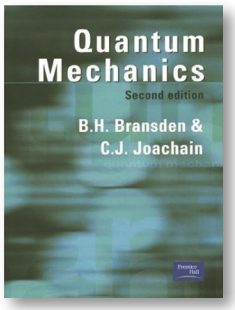

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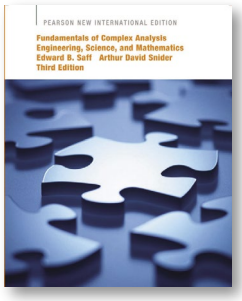
Mathematical / Computational Physics



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Course: Mathematical Physics

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