

Physics

Calculus-Based Physics



University Physics with Modern Physics, 14e

Hugh D. Young
& Roger A. Freedman

9781292100319 • ©2015
1608pp • Paperback • £57.99

eBook: 9781292100326 • £46.99

Available with Mastering Physics
Package: 9781292100401 • £71.02

Course: Calculus-Based Physics

University Physics is known for its clear and thorough narrative. Its uniquely broad, deep, and thoughtful sets of worked examples provide students with key tools for developing both conceptual understanding and problem-solving skills. The new edition has new problems and improved annotated figures.

This text is also available in 3 volumes:

Vol. 1: 9781292118925

Vol. 2: 9781292118598

Vol. 3: 9781292118604



Physics for Scientists & Engineers with Modern Physics, 4e

Douglas C. Giancoli

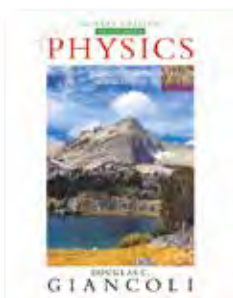
9781292020761 • ©2013
1440pp • Paperback • £57.99

eBook: 9781292034010 • £46.99

Course: Calculus-Based Physics

Physics for Scientists & Engineers combines outstanding pedagogy with a clear and direct narrative and applications that draw the student into the physics. The new edition also features an unrivaled suite of media and on-line resources that enhance the understanding of physics. This extensive revision maintains Giancoli's reputation for creating carefully crafted, highly accurate and precise physics texts.

Algebra-Based Physics



Physics: Principles with Applications, 7e

Douglas C. Giancoli

9781292057552 • ©2015
1080pp • Paperback • £60.99

eBook: 9781292066851 • £49.00

Available with Mastering Physics
Package: 9781292057552 • £81.98

Course: Algebra-Based Physics

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.



College Physics, 10e

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

9781292112541 • ©2015
1104pp • Paperback • £57.99

eBook: 9781292112619 • £46.99

Available with Mastering Physics
Package: 9781292112640 • £71.02

Course: Algebra-Based Physics

For more than five decades, *College Physics* has provided the most reliable foundation of physics education for students around the world. New coauthors 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



Conceptual Integrated Science, 2e

Paul G. Hewitt, Suzanne A. Lyons, John A. Suchocki & Jennifer Yeh

9781292023083 • ©2013
984pp • Paperback • £57.99

eBook: 9781292036267 • £46.99

Course: Physical Science

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.

Advanced Physics – Mechanics and Thermodynamics



Classical Mechanics, 3e

Herbert Goldstein, Charles P. Poole & John L. Safko

9781292026558 • ©2013
664pp • Paperback • £48.99

eBook: 9781292038933 • £40.00

Course: Mechanics

For thirty years this has been the acknowledged standard in advanced classical mechanics courses. This classic text enables students to make connections between classical and modern physics – an indispensable part of a physicist's education. In this edition, Beams Medal winner Charles Poole and John Safko updated the text to include the latest topics, applications, and notation, to reflect today's physics curriculum.



An Introduction to Thermal Physics

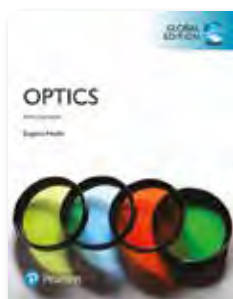
Daniel V. Schroeder

9781292026213 • ©2013
336pp • Paperback • £47.99

Course: Statistical Mechanics and Thermodynamics

This text provides a balanced, well-organized treatment of thermodynamics and statistical mechanics, making thermal physics interesting and accessible to anyone who has completed a year of calculus-based introductory physics. Part I introduces essential concepts of thermodynamics and statistical mechanics from a unified view, applying concepts in a select number of illustrative examples. Parts II and III explore further applications of classical thermodynamics and statistical mechanics. Throughout, the emphasis is on real-world applications.

Advanced Physics – Optics



Optics, 5e

Eugene Hecht

9781292096933 • ©2016
728pp • Paperback • £46.99

eBook: 9781292096964 • £37.99

Course: Optics

A contemporary approach to optics with practical applications and new focused pedagogy. Hecht's *Optics* balances theory and instrumentation and provides students with the necessary classical background through a lively and clear narrative. The new edition has up-to-date content in line with the ever-evolving technological advances in the optics field; a modern approach to studies on photons, phasors, and theory; and over one hundred new worked examples.

Advanced Physics – Modern Physics

**Modern Physics, 2e**

Randy Harris

9781292023267 • ©2013
640pp • Paperback • £55.99

eBook: 9781292036434 • £44.99

Course: Modern Physics

Modern Physics provides a clear, precise, and contemporary introduction to the theory, experiment, and applications of modern physics. Ideal for both physics majors and engineers. Pedagogical features throughout the text focus the reader on the core concepts and theories while offering optional, more advanced sections, examples, and cutting-edge applications to suit a variety of students and courses. Critically acclaimed for his lucid style, in the Second Edition, Randy Harris applies the same insights into recent developments in physics, engineering, and technology.

**Spacetime and Geometry:
An Introduction to General
Relativity**

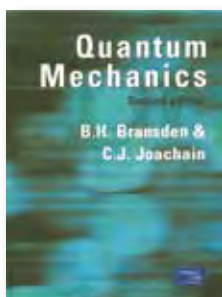
Sean Carroll

9781292026633 • ©2013
528pp • Paperback • £48.99

eBook: 9781292039015 • £40.00

Course: Relativity

Spacetime and Geometry: An Introduction to General Relativity provides a lucid and thoroughly modern introduction to general relativity for advanced undergraduates and graduate students. It takes a straightforward approach, balancing mathematical rigor and physical insight. Readers are led from physics of flat spacetime (special relativity), through the intricacies of differential geometry and Einstein's equations, and on to exciting applications such as black holes, gravitational radiation, and cosmology. Subtle points are illuminated throughout the text by careful and entertaining exposition.

**Quantum Mechanics, 2e**

B. H. Bransden & C. J. Joachain

9780582356917 • ©2000
824pp • Paperback • £49.99**Course:** Quantum Mechanics

A core text in quantum mechanics for students of physics at the undergraduate level. It gives a modern, comprehensive introduction to the principles of quantum mechanics, to the main approximation methods and to the application of quantum theory to a wide variety of systems. The needs of students having an average mathematical ability are kept very much in mind, with the avoidance of complex mathematical arguments and any undue compression of material. The text is illuminated throughout by careful explanation and physical insight. Problem sets, covering all the main topics, reinforce the student's understanding and act as a guide to progress.

Mathematical / Computational Physics

**Fundamentals of Complex
Analysis with Applications
to Engineering, Science, and
Mathematics, 3e**Edward B. Saff &
Arthur David Snider9781292023755 • ©2013
520pp • Paperback • £60.99

eBook: 9781292036885 • £49.00

Course: Mathematical Physics

This is the best seller for this course. It provides a comprehensive introduction to complex variable theory and its applications to current engineering problems. It is designed to make the fundamentals of the subject more easily accessible to students who have little inclination to wade through the rigors of the axiomatic approach. Modeled after standard calculus books – both in level of exposition and layout – it incorporates physical applications throughout the presentation, so that the mathematical methodology appears less sterile to engineering students.