

University Physics is a three-volume collection that meets the scope and sequence requirements for two- and three-semester calculus-based physics courses. Volume 1 covers mechanics, sound, oscillations, and waves. Volume 2 covers thermodynamics, electricity and magnetism, and Volume 3 covers optics and modern physics. This textbook emphasizes connections between theory and application, making physics concepts interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. Frequent, strong examples focus on how to approach a problem, how to work with the equations, and how to check and generalize the result.

This cover was adapted by eCampusOntario. eCampusOntario is a non profit organization funded by the government of Ontario. Visit [OpenLibrary.eCampusOntario.ca](https://openlibrary.ecampusontario.ca) to learn more.

Cover Image: Drift Tube LINAC at CERN by Ryan Bodenstein (<https://flic.kr/p/MRkcE9>) is licensed CC-BY 2.0 (<https://creativecommons.org/licenses/by/2.0/>)