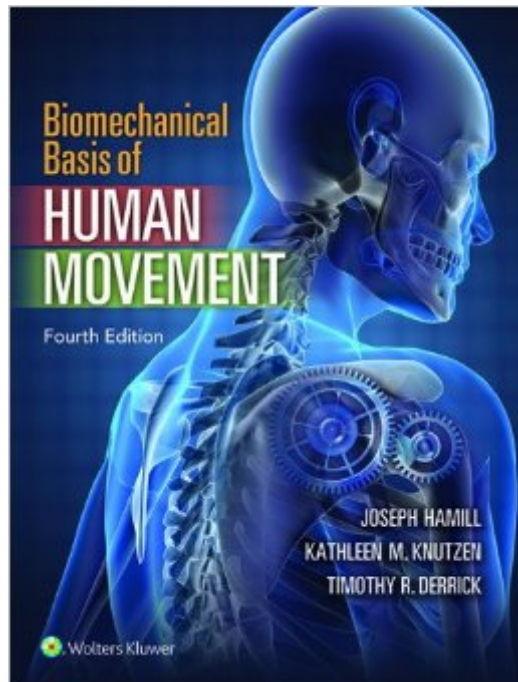


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# Biomechanical Basis Of Human Movement



## Synopsis

Help your students understand the full continuum of human movement potential with the Fourth Edition of this rigorous "yet understandable" introductory text on the market. Focusing on the quantitative nature of biomechanics, *Biomechanical Basis of Movement, Fourth Edition* integrates current literature, meaningful numerical examples, relevant applications, hands-on exercises, and functional anatomy, physics, calculus, and physiology to help your students develop a holistic understanding of human movement. The book's chapters are essentially self-contained, allowing you maximum teaching flexibility in structuring your course. The Fourth Edition offers new content, new examples and applications, and online teaching and learning resources to save you time and help your students succeed. **Instructor Resources:** **NEW!** A robust problem generator randomly generates an unlimited number of numerical problems you can assign to students for practice and self-testing. **Brownstone** test generator, loaded with pre-made text-specific questions, saves you time and makes creating and printing tests easy. **Pre-loaded PowerPoint** presentations speed lecture preparation. **A complete image bank** enhances lecture and exam preparation. **WebCT and Blackboard Ready Cartridges** allow you to connect to your preferred course management system with ease. **Student Resources:** **Answers to the text's** review questions help students master key concepts. **Confidence-building practice quizzes** allow students to test their understanding of key concepts and prepare for exams. **MaxTRAQ** motion analysis software brings concepts to life and allows students to track data and analyze motion in a dynamic, video-enriched environment. The fully searchable textbook online is ideal for review on the go! **Handy online appendices** present information on units of measurement and trigonometric functions, as well as hands-on data, for quick reference.

## Book Information

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## Customer Reviews

This book provides essential information for the undergraduate student of movement science and will be of interest to physiotherapists, biomechanists and exercise specialists. It covers the musculoskeletal and neurological considerations for movement, functional anatomy and kinetic and kinematic analysis of human motion. The sections on functional anatomy are particularly helpful as they combine the regional anatomical facts with useful biomechanical information in a way that I have not seen before. The book is highly readable and the many diagrams and figures enhance the reader's understanding. All in all a book that is worth buying.

The authoritative resource for all exercise physiology, physical therapy, occupational therapy, and biomechanics students. Highly recommend!

Rented this from my school library and wow! What a resource!

It was exactly what I needed for class

Great book & in good condition!

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