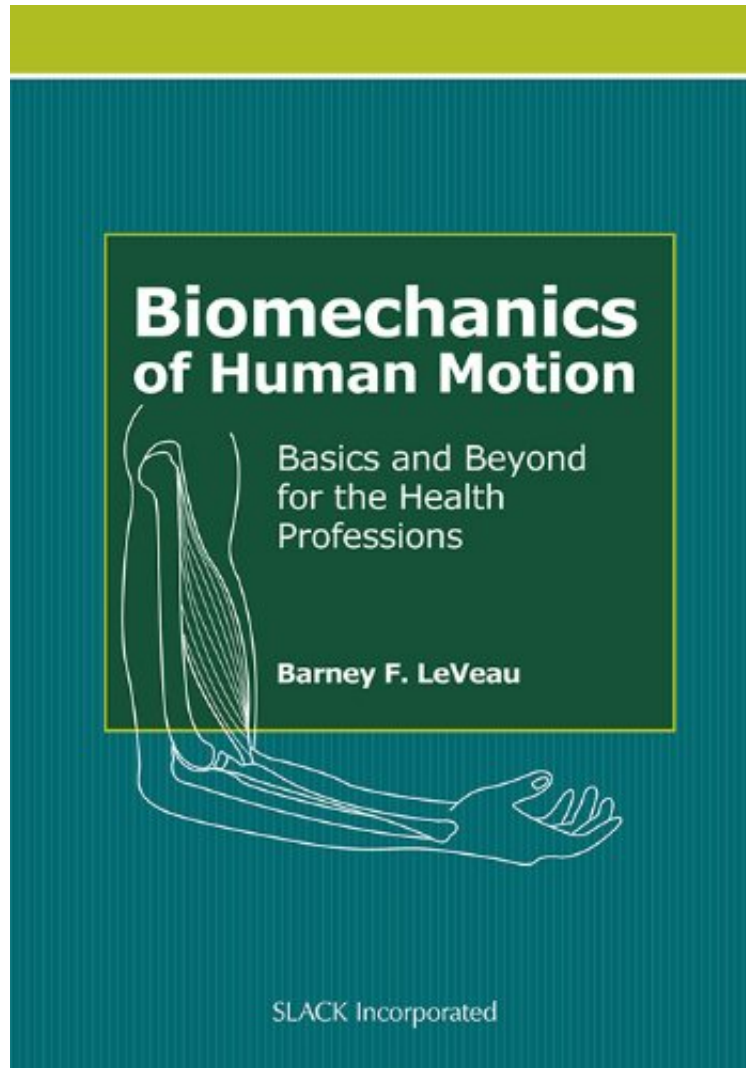


Biomechanics of Human Motion: Basics and Beyond for the Health Professions

Barney F. LeVeau PhD PT

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Barney F. LeVeau PhD PT : Biomechanics of Human Motion: Basics and Beyond for the Health Professions before purchasing it in order to gauge whether or not it would be worth my time, and all praised Biomechanics of Human Motion: Basics and Beyond for the Health Professions:

1 of 1 people found the following review helpful. Relates skeletal and muscle action to the basic physics underlying it By Janice K. Clark This is a clearly written and clearly illustrated text. It begins with the physical principles involved, and relates body movement and strength to the underlying physics. It extends the analysis of exercise equipment and therapeutic exercises to these same physical principles. .0 of 0 people found the following review helpful. A good

read/guide to physics
By Brian Schab
So far, it's what I've expected as to learning the details of physics, but well written and explained.
0 of 0 people found the following review helpful. Five Stars
By smartl902
Great, it was exactly what I wanted.

Biomechanics of Human Motion: Basics and Beyond for the Health Professions presents a straightforward approach to the basic principles, theories and applications of biomechanics and provides numerous techniques and examples for approaching biomechanical situations enhanced by healthcare professionals. Building on his previous work, Dr. Barney LeVeau uses clearly defined, concise terms and real-life applications rather than advanced mathematics to make teaching and learning biomechanics easier. Based upon the concept of force, the text illustrates how force is applied to the human body and how the body applies force to various objects. The emphasis is upon the pertinent factors that guide the reader to an understanding of biomechanics at a beginning level.

Chapter Topics Include:

- Strength of material such as loading and stress-strain relationships
- Composition and Resolution of Forces such as graphic method and mathematical method
- Equilibrium such as static, first condition and second condition
- Dynamics such as kinematics and kinetics
- Application such as stability and balance, motion analysis, and gait

What's Inside:

- Simple explanations of biological mechanical concepts
- Contemporary articles at the end of each chapter providing readers with information beyond the basics
- Over 240 images illustrate biomechanical situations and computations
- User-friendly, uncomplicated mathematical formulas and examples

Biomechanics of Human Motion: Basics and Beyond for the Health Professions provides students and clinicians of all allied health professions with a basic background and solid foundation on which to build a solid understanding of force and biomechanics.

"Given the intricacy and complexity of biomechanics in relation to human motion, I find that this book is simple and clearly written in a very skilful and concise manner. I would greatly recommend it for teaching purposes and for further reading at an advanced level."

-Maria Stein,
The British Journal of Occupational Therapy