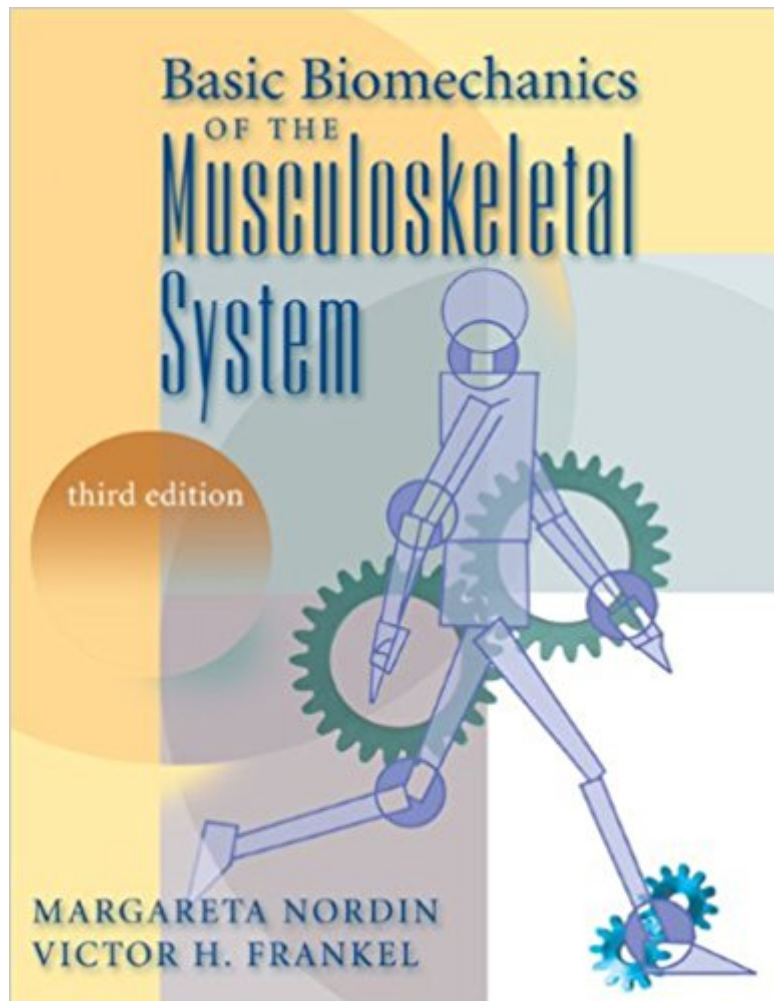


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Basic Biomechanics Of The Musculoskeletal System



Synopsis

Unique in its direct and comprehensive approach, this Third Edition presents a working knowledge of biomechanical principles for use in the evaluation and treatment of musculoskeletal dysfunction. Three sections address the biomechanics of musculoskeletal tissues and structures, the biomechanics of all human joints, and applied biomechanics. The book features contributions from a variety of disciplines including orthopaedic surgery, physical therapy, occupational therapy, hand surgery, physical medicine and rehabilitation, sports medicine, biomechanical engineering and anesthesiology. This edition's new introductory chapter explains the importance of biomechanics study and includes the "International System of Units" appendix. A new section on "Applied Biomechanics" includes chapters on fracture fixation; arthroplasty; standing, sitting, and lying; and gait. Boxes with biomechanical computations promote comprehension of biomechanical principles. Practical examples and clinical case studies apply biomechanical knowledge to practice. Additional illustrations, including radiological images, enhance comprehension. A Brandon-Hill recommended title.

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Customer Reviews

This book covers most aspects relating to orthopaedic biomechanics. It is a most useful reference to all orthopaedic surgeon and biomechanical researchers. I have no doubt that this book should be in the library of every professions allied to orthopaedic surgery and biomechanics.

The authors, with clarity, deepness and perception, apply the concepts of mechanics in a way not restrict, neither innocent. This book, since its first edition, is a marc in the biomechanics understanding, and should be read by everyone who deals with human movement.

This book is full of lots of technical information regarding biomechanics. Some sections are quite dry and there are not a lot of clinical examples. The book would be great for those interested into the physics behind biomechanics.

I already knew this book, I have an older version; I am a university professor and I think this is one of the best book to teach orthopaedic biomechanics to biomedical engineering students.

The book arrived very quickly and in the advertised condition. I recommend this seller.

the order came within a couple of days, get condition, very fast

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