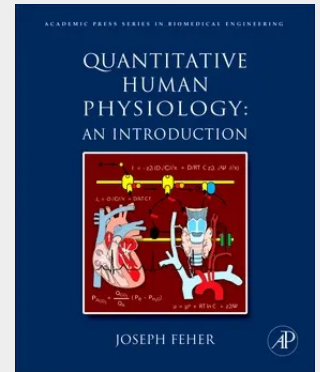


Feher

Quantitative Human Physiology

An Introduction

This text explores how component behavior produces system behavior in physiological systems. Through text explanation, figures, and equations it provides the engineering student with a basic understanding of physiological principles with an emphasis on quantitative aspects. Geared to undergraduate students who are less familiar with biological concepts but who have successfully completed typical first-year engineering mathematics, including differential and integral calculus and some differential equations. A quantitative approach that includes physical and chemical principles An integrated approach from first principles, integrating anatomy, molecular biology, biochemistry and physiology. Illustration program reinforces the integrated nature of physiological systems Pedagogically rich, including chapter objectives, chapter summaries, large number of illustrations, and short chapters suitable for single lectures Clinical applications relevant to the biomedical engineering student (TENS, cochlear implants, blood substitutes, etc.) Problem sets provide opportunity for practice and assessment throughout the course.



Auf Anfrage

Nicht mehr lieferbar

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