



Exercise Physiology: Nutrition, Energy, and Human Performance

By William D. McArdle, Frank I. Katch, Victor L. Katch

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Since publication of its First Edition in 1981, **Exercise Physiology** has helped more than 350,000 students build a solid foundation of the scientific principles underlying modern exercise physiology. This Seventh Edition has been thoroughly updated with all the most recent findings, guiding you to the latest understanding of nutrition, energy transfer, and exercise training and their relationship to human performance.

This Seventh Edition maintains its popular seven-section structure. It begins with an exploration of the origins of exercise physiology and concludes with an examination of the most recent efforts to apply principles of molecular biology. The book provides excellent coverage of exercise physiology, uniting the topics of energy expenditure and capacity, molecular biology, physical conditioning, sports nutrition, body composition, weight control, and more.

Every chapter has been fully revised and updated to reflect the latest information in the field. The updated full-color art program adds visual appeal and improves understanding of key topics.

A companion website includes over 30 animations of key exercise physiology concepts; the full text online; a quiz bank; references; appendices; information about microscope technologies; a timeline of notable events in genetics; a list of Nobel Prizes in research related to cell and molecular biology; the scientific contributions of thirteen outstanding female scientists; an image bank; a Brownstone test generator; PowerPoint® lecture outlines; and image-only PowerPoint® slides.

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- Sales Rank: #2257678 in Books
- Published on: 2009-11-17
- Format: International Edition
- Original language: English
- Number of items: 1
- Dimensions: 10.75" h x 8.50" w x 1.75" l, 1.10 pounds
- Binding: Hardcover
- 1104 pages



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