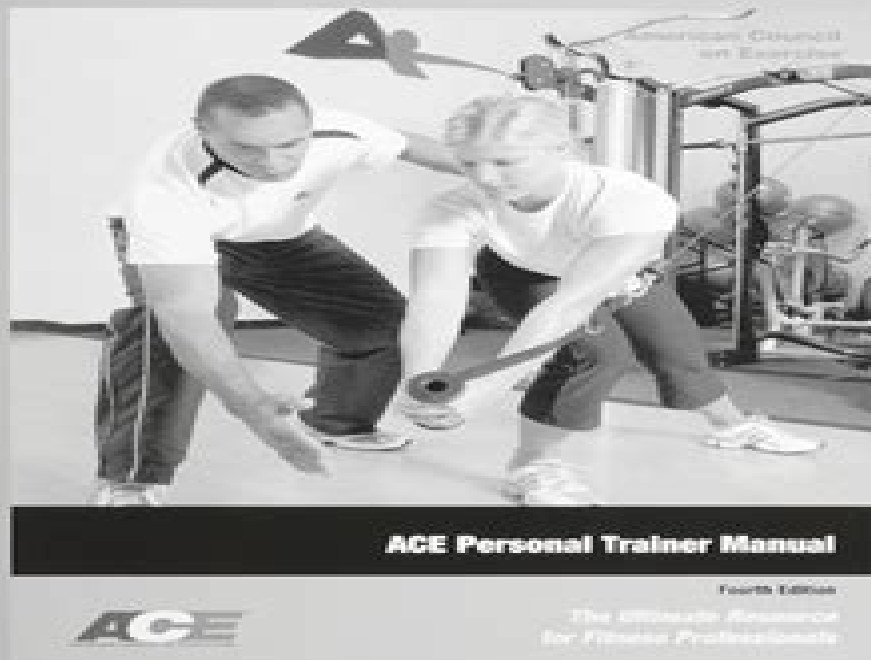


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Fourth Edition



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AMERICAN COUNCIL ON EXERCISE

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**Michael Yong Hwa Chia, Patricia King
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content in the text New chapters cover social aspects of group exercise coaching based instructional models and neuromotor and functional training Callout boxes highlight important topics research findings technique and safety checks and practice drills which facilitate quick learning Short assignments at the close of each chapter encourage readers to look beyond the text to gain practical experience Evaluation forms and evaluation key points allow instructors to gauge their teaching success and adapt the key criteria of a successful class to each exercise modality The three part structure of this book is retained from the previous edition but the content is reorganized to better reflect industry standards and guidelines Part I provides a general overview of group exercise the evolution and advantages of group exercise the strategies for creating group cohesion in a class the core concepts in class design and the use of music choreography and cueing methods in designing and leading a class Part II offers guidelines for leading the four major segments of a group exercise class warm up cardiorespiratory training muscular conditioning and exibility training and includes a new chapter on neuromotor and functional training These basic concepts pertain to all modalities covered in part III which focuses on practical teaching skills Basic moves choreography and training systems are covered for each type of class Sample routines and class formats for each modality offer a confident starting point for novice instructors and fresh material for veterans The final chapter discusses customized or hybrid classes such as lifestyle physical activity based classes equipment based cardio classes and mind and body classes When used as a course text Methods of Group Exercise Instruction Third Edition includes instructor ancillaries which offer suggestions for effective use of the book and online video lesson plan outlines a sample week by week syllabus lab activities and test questions The third edition also features a newly added image bank containing all the figures and photos from the text to use in presentations

The Science of Sport: Swimming Alexander Marinof, John Coumbe-Lilley, 2017-01-06 The Science of Sport Swimming is a complete guide for swimming training through the application of physiological biomechanical psychological strength and conditioning nutritional and injury management methods that can be used to optimize performance Practical examples are included on the components of swimming conditioning technical and mental training and how they relate to the various swimming speciality events The text provides details on mental and strength conditioning training exercises and racing day preparation methods for various abilities including speciality swimmers who seek performance improvement constantly The book includes contributions from leading coaches and sport scientists sport psychologists sports medical practitioners and Olympic world and national champion swimmers

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