

NSCA's Essentials of Personal Training Text

The *NSCA's Essentials of Personal Training* edited by Roger W. Earle, CSCS,*D; NSCA-CPT,*D and Thomas R. Baechle, CSCS,*D; NSCA-CPT,*D, is the primary preparation source for the NSCA-Certified Personal Trainer® examination, as well as an authoritative resource for all professionals in the personal training field. The book includes contributions from leading renowned researchers, educators and personal training experts who provide the scientific principles, concepts and theories of personal training as well as practical applications to safe and effective training.

Experts in areas such as personal training, exercise science, physical therapy, psychology and sport nutrition contribute their expertise to all areas of exercise technique and program design for the personal trainers in this text. These areas include free-weight and machine resistance training exercises, cardiovascular activities, flexibility and speed training.

In addition, the *NSCA's Essentials of Personal Training* text highlights important information about the business of personal training, including facility and equipment maintenance, business management and legal issues that many personal trainers face.

Features of the text include:

- Over 250 full-color photographs that clearly illustrate and accurately explain proper stretching, resistance training, aerobic endurance training and plyometrics techniques;
- Student study tools that help readers prepare for the NSCA-CPT® exam, including chapter objectives, key points, sidebars with practical applications, chapter questions and a comprehensive glossary;
- Targeted expert information that will give readers the knowledge to work with clients who have special exercise needs, such as pregnant women, older adults, athletes, overweight clients and those with medical conditions and concerns; and
- Scientific and applied information geared toward personal training in the areas of client consultation and evaluation, exercise technique, program design and safety and legal issues.
- Full-size, 688-page hardcover text
- Twenty-five chapters, an appendix, and a glossary (provided by 33 authors)
- Testing protocols and norms for assessing clients of all ages
- Over 120 questions that can be used to help prepare for the NSCA-CPT® exam
- A comprehensive glossary of 320 frequently used terms and concepts

Table of Contents

Part I. Exercise Sciences

Chapter 1: Structure and Function of the Muscular, Nervous, and Skeletal Systems
Len Kravitz, PhD

Chapter 2: Structure and Function of the Cardiovascular and Respiratory Systems
Mark A. Williams, PhD, FACSM, FAACVPR

- Chapter 3: Bioenergetics
Travis Triplett-McBride, PhD, CSCS,*D
- Chapter 4: Biomechanics
Everett Harman, PhD, CSCS, NSCA-CPT
- Chapter 5: Resistance Training Adaptations
Lee E. Brown, EdD, CSCS,*D, FACSM and Joseph P. Weir, PhD, EPC, FACSM
- Chapter 6: Aerobic Training Adaptations
Lee E. Brown, EdD, CSCS,*D, FACSM and Matthew J. Comeau, PhD, ATC,
LAT, CSCS
- Chapter 7: Nutritional in the Personal Training Setting
Kristin J. Reimers, MS, RD
- Chapter 8: Exercise Psychology for the Personal Trainer
Bradley D. Hatfield, PhD, FACSM and Phil Kaplan, NSCA-CPT

Part II. Initial Consultation and Evaluation

- Chapter 9: Client Consultation and Health Appraisal
John A.C. Kordich, MEd, CSCS,*D; NSCA-CPT,*D
- Chapter 10: Fitness Assessment Selection and Administration
John A.C. Kordich, MEd, CSCS,*D; NSCA-CPT,*D and Susan L. Heinrich, MS,
NSCA-CPT
- Chapter 11: Fitness Testing Protocols and Norms
Joel T. Cramer, PhD, CSCS,*D; NSCA-CPT,*D and Jared W. Coburn, MS, CSCS

Part III. Exercise Technique

- Chapter 12: Flexibility, Body-Weight, and Stability Ball Exercises
Allen Hendrick, MA, CSCS,*D
- Chapter 13: Resistance Training Exercise Techniques
Thomas R. Baechle, EdD, CSCS,*D; NSCA-CPT,*D and Roger W. Earle, MA,
CSCS,*D; NSCA-CPT,*D
- Chapter 14: Cardiovascular Activity Techniques
J. Henry “Hank” Drought, MS, CSCS,*D; NSCA-CPT,*D

Part IV. Program Design

Chapter 15: Resistance Training Program Design
Roger W. Earle, MA, CSCS,*D; NSCA-CPT,*D and Thomas R. Baechle, EdD,
CSCS,*D; NSCA-CPT,*D

Chapter 16: Aerobic Endurance Training Program Design
Patrick S. Hagerman, EdD, CSCS,*D; NSCA-CPT,*D

Chapter 17: Plyometric and Speed Training
David H. Potach, PT, MS, CSCS,*D; NSCA-CPT,*D

Part V. Clients with Unique Needs

Chapter 18: Clients Who Are Pregnant, Older, or Preadolescent
Wayne L. Westcott, PhD, CSCS and Avery D. Faigenbaum, EdD, CSCS,*D;
FACSM

Chapter 19: Clients with Nutritional and Metabolic Concerns
Christine L. Vega, MPH, RD, CSCS,*D; NSCA-CPT,*D and Carlos E. Jiménez,
MD, NSCA-CPT

Chapter 20: Clients with Cardiovascular and Respiratory Conditions
Robert Watine, MD, CSCS, NSCA-CPT

Chapter 21: Clients with Orthopedic, Injury, and Rehabilitation Concerns
David H. Potach, PT, MS, CSCS,*D; NSCA-CPT,*D and Todd Ellenbecker, PT,
MS, SCS, OCS, CSCS

Chapter 22: Clients with Spinal Cord Injury, Multiple Sclerosis, Epilepsy, and Cerebral Palsy
Tom LaFontaine, PhD, CSCS, NSCA-CPT, FAACVPR, FACSM

Chapter 23: Resistance Training for Clients Who Are Athletes
David Pearson, PhD, CSCS,*D and John F. Graham, MS, CSCS,*D

Part VI. Safety and Legal Issues

Chapter 24: Facility and Equipment Layout and Maintenance
Mike Greenwood, PhD, CSCS,*D

Chapter 25: Legal Issues in Personal Training
Anthony A. Abbott, EdD, CSCS,*D; NSCA-CPT,*D; FACSM and JoAnn
Eickhoff-Shemek, PhD, FACSM, FAWHP

Appendix.

Business Management for the Personal Trainer
Patrick S. Hagerman, EdD, CSCS,*D; NSCA-CPT,*D