Measurement for Evaluation in Kinesiology
By Ted A. Baumgartner, Andrew S. Jackson, Matthew T. Mahar, David A. Rowe
Transition Guide

MEASUREMENT FOR EVALUATION IN KINESIOLOGY
NINTH EDITION

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This Transition Guide outlines many of the changes and new content in the Ninth Edition. Use this guide for an easy transition for the new edition.
CHAPTER OUTLINE

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**KEY UPDATES:**

- Coverage of Physical Activity Guidelines for Americans
- Coverage of National Physical Activity Guidelines for Children
- New chapter on practical issues of administering tests
- Step-by-step guide on the stages of the testing process
- New section on ethical issues associated with testing
- New section on practical advice for recording data and creating data sets
- Practical information on how to check data sets for errors
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Chapter 1: Specific Updates

Chapter 1: Introduction to Measurement and Evaluation
- Included the Physical Activity Guidelines for Americans
- Included the National Physical Activity Guidelines for Children

Chapter 2: Practical Aspects of Testing
- Added a new chapter on practical issues of administering tests
- Included- a step-by-step guide on the stages of the testing process
- Added a new section on ethical issues associated with testing
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- Added a new section on practical advice for recording data and creating data sets
- Added practical information on how to check data sets for errors

Chapter 3: Statistical Tools

- Added a new section introducing inferential significance testing
- Revised appendices on how to use Excel and SPSS for data entry and analysis

Chapter 4: Reliability and Objectivity

- Added a new section on estimating reliability by visual inspection

Chapter 5: Validity

- Added a new section on a validation model for kinesiology

Chapter 6: Physical Activity and Sedentary Behavior

- Added a new section on the measurement of sedentary behavior
- Added a new section on emerging technologies for measuring physical activity
- Provided more practical advice for measuring physical activity in non-research situations
- Added coverage of the Canadian Physical Activity and Sedentary Guidelines for Children and Adolescents

Chapter 7: Aerobic Fitness

- Added new information on maximal heart rate prediction equations
- Updated non-exercise models to predict aerobic fitness

Chapter 8: Body Composition

- Expanded coverage of body mass index

Chapter 9: Musculoskeletal Fitness
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- Added a new chapter on assessment of musculoskeletal fitness, including assessment of muscular strength, endurance, and power
- Added a new discussion on how to express musculoskeletal fitness test results

Chapter 10: Youth Fitness and Physical Activity
- Revised the presentation of historical events in youth fitness testing
- Expanded the description of the FITNESSGRAM® national youth fitness test
- Updated coverage of criterion-referenced standards for youth fitness testing
- Added a new discussion of the Presidential Active Lifestyle Award (PALA+)
- Added a new discussion of the Institute of Medicine report, *Fitness Measures and Health Outcomes in Youth*

Chapter 11: Grading and Standard Setting
- Revised the discussion of grading in schools
- Added a new discussion of ways to allocate points in a point grading system

Chapter 12: Authentic and Alternative Assessment
- Added a new chapter on authentic and alternative assessment

Chapter 13: Sport Skill
- Expanded directions for sport skill tests

Chapter 14: Knowledge Tests and Questionnaires
- Expanded discussion of questionnaires

**SUPPORT FOR INSTRUCTORS**
- Sample Syllabus
- Lecture Outlines in PowerPoint format
- Test Bank Materials
- Image Bank
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