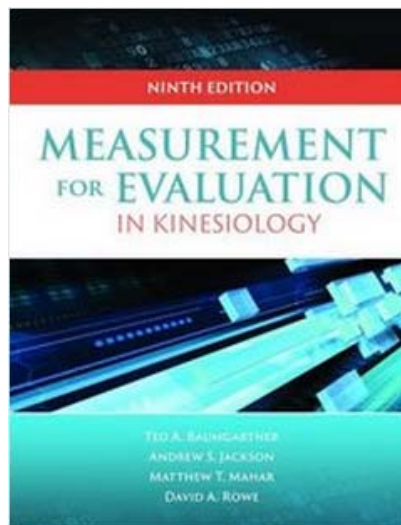


Measurement for Evaluation in Kinesiology
By Ted A. Baumgartner, Andrew S. Jackson, Matthew T. Mahar, David A. Rowe
Transition Guide



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MEASUREMENT FOR EVALUATION IN KINESIOLOGY
NINTH EDITION



Ted A. Baumgartner, University of Georgia
Andrew S. Jackson, University of Houston
Matthew T. Mahar, East Carolina University
David A. Rowe, University of Strathclyde

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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

Table of Contents Comparison to transition from the *Eighth* to the *Ninth Edition*

Eighth Edition	Ninth Edition
Part I: Introduction	Part I: Introduction and Practical Aspects of Measurement
Chapter 1: Measurement and Evaluation in a Changing Society	Chapter 1: Introduction to Measurement and Evaluation
Part II: Quantitative Aspects of Measurement	Chapter 2: Practical Aspects of Testing
Chapter 2: Statistical Tools in Evaluation	Part II: Quantitative Aspects of Measurement
Chapter 3: Reliability and Objectivity	Chapter 3: Statistical Tools
Chapter 4: Validity	Chapter 4: Reliability and Objectivity
Chapter 5: Test Characteristics, Administration, and Interpretation	Chapter 5: Validity
Part III: Measuring and Evaluating Physical Attributes	Part III: Assessment of Physical Activity and Fitness
Chapter 6: School-Based Evaluation	Chapter 6: Physical Activity and Sedentary Behavior
Chapter 7: Authentic and Alternative Assessment	Chapter 7: Aerobic Fitness
Chapter 8: Evaluating Skill Achievement	Chapter 8: Body Composition
Chapter 9: Measuring Physical Activity	Chapter 9: Musculoskeletal Fitness
Chapter 10: Measuring Physical Abilities	Chapter 10: Youth Fitness and Physical Activity
Chapter 11: Evaluating Aerobic Fitness	Part IV: School-Based Evaluation
Chapter 12: Evaluating Body Composition	Chapter 11: Standard Setting and Grading
Chapter 13: Evaluating Youth Fitness and Physical Activity	Chapter 12: Authentic and Alternative Assessment
Chapter 14: Adult and Older Adult Fitness	Chapter 13: Sport Skills
Chapter 15: Applications to Persons with Disabilities	Chapter 14: Knowledge Tests and Questionnaires
Part IV: Cognitive and Affective Testing	
Chapter 16: Evaluating Knowledge	
Chapter 17: Exercise Psychological Measurement	

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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- New section introducing inferential significance testing
- Revised appendices on how to use Excel and SPSS for data entry and analysis
- New section on estimating reliability by visual inspection
- New section on a validation model for kinesiology
- New section on the measurement of sedentary behavior
- New section on emerging technologies for measuring physical activity
- More practical advice for measuring physical activity in non-research situations
- Coverage of Canadian Physical Activity and Sedentary Guidelines for Children and Adolescents
- New information on maximal heart rate prediction equations
- Updated non-exercise models to predict aerobic fitness
- Expanded coverage of body mass index
- New chapter on assessment of musculoskeletal fitness, including assessment of muscular strength, endurance, and power
- New discussion on how to express musculoskeletal fitness test results
- Revised presentation of historical events in youth fitness testing
- Expanded description of the FITNESSGRAM® national youth fitness test
- Updated coverage of criterion-referenced standards for youth fitness testing
- New discussion of the Presidential Active Lifestyle Award (PALA+)
- New discussion of the Institute of Medicine report, *Fitness Measures and Health Outcomes in Youth*
- New chapter on authentic and alternative assessment
- Revised discussion of grading in schools
- New discussion of ways to allocate points in a point grading system
- Expanded directions for sport skill tests
- Expanded discussion of questionnaires

Chapter-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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