



Course Title: Clinical Applications in Functional Testing and Rehabilitation

Course Sponsor: BTE

Course Instructors:

Jonathan Cooper, VRT, CEAS

Jeff Johnson, MA, ATC

John Vermette, MA

Course Objectives:

Participants will be able to:

- define terminology, measures and calculations used in treatment and testing
- design rehab programs for specific diagnoses/conditions
- apply functional approach to treatment
- identify appropriate tests and measures
- demonstrate proper set-up of equipment for treatment and testing
- utilize correct CPT codes when billing for applicable services
- describe various marketing ideas

Course Description:

This course is designed to increase participants' knowledge about the various clinical applications of the BTE Technologies' Simulator II system in functional testing, rehabilitation and documentation of functional outcomes. The course will take an evidence-based approach to musculoskeletal evaluation and physical rehabilitation. Course instructors will discuss various diagnoses and conditions to address general, hand, and industrial rehabilitation applications. Learning is achieved through lecture, audiovisual presentations, instructional laboratory sessions, and written materials. Systems are onsite and utilized for demonstration and laboratory sessions.

Target Audience: PT, PTA, OTR, COTA, ATC

Instructional Level: Intermediate

Disclaimer: Scope of Practice: Course content is not intended for use by participants outside of the regulatory scope of practice of their license(s). Attendees are responsible for knowing what lies within and beyond their professional scope of practice.



CLINICAL APPLICATIONS IN FUNCTIONAL TESTING AND REHABILITATION USING THE SIMULATOR II

COURSE AGENDA

Day 1

- 8:30am Welcome and Introductions
- 8:45am Key Terms and Concepts
- Definition of Strength
 - Assessment of Muscle Performance
 - Measurement Units of Interest
 - Biomechanical Factors Affecting Performance Measures
- 9:45am Break
- 10:00am Clinical Rehabilitation Model
- Evolution of Therapeutic Interventions
 - Training and Rehabilitation Continuum
 - Considerations for Functional Progression
 - Documenting a Functional Test
 - Plan of Care Examples
- 10:30am Break
- 10:40am Software Introduction
- 11:30am Hardware Introduction
- 12:00pm Lunch
- 12:30pm Hardware (continued)
- 1:30pm LAB
- 2:15pm Break
- 2:30pm Evaluation of Performance
- Evaluation Objectives
 - Questions to Ask Yourself
 - How Do I Measure Muscle Performance
 - Data Interpretation
 - Software Information for Evaluation
 - Standard Protocol for Measuring Muscle Performance
- 3:20pm Break
- 3:30pm LAB
- 4:30pm Calibration
- 4:45pm LAB
- 5:00pm END OF FIRST DAY

CLINICAL APPLICATIONS IN FUNCTIONAL TESTING AND REHABILITATION USING SIMULATOR II

COURSE AGENDA

Day 2

8:30am	Treatment
	Utilizing the Simulator II for Treatment
	Review of Task Performance Measures
	Treatment Questions
	Treatment Program Examples and Case Studies
	Software Information for Treatment
9:30am	LAB
10:15am	Break
10:30am	Special Evaluations
	Consistency of Effort Testing
10:45am	LAB
11:10am	Break
11:20am	Special Evaluations (Continued)
	Isometric Static Line Graph Test
	Using Isometric Line Graph for Exercise
12:00pm	Lunch
12:30pm	LAB
1:20pm	Special Evaluations (Continued)
	Lifting, Pushing, Pulling
1:45pm	Break
1:50pm	LAB
2:20pm	Reports
2:30pm	Software Utilities
2:45pm	Post Test and Course Evaluation
3:00pm	END OF SECOND DAY