

ESCI 4340A Measurement & Evaluation in Kinesiology

08/18/05

Dr. Shirley Darracott, PEAC 2A; 667-4992; sdarracott@aug.edu

Office Hours: 9:30-10:30 MWF; 10:45-11:45 TTH

Course meeting location: CFH 233; PEAC 9 (Computer Lab) when available

Course Objectives:

1. Understand the role of measurement and evaluation in teaching and exercise science.
2. Plan, construct, administer, score, analyze and revise a knowledge test.
3. Observe and administer sports skills tests.
4. Calculate descriptive analyses by hand and using SPSS; demonstrate an understanding of other statistical tools used in evaluation.
5. Demonstrate an understanding of the concepts of reliability and validity.
6. Demonstrate an understanding of the methods and considerations of performance testing and exercise psychological measurement.

Text:

Baumgartner, Jackson, Mahar, Rowe (7th edition) Measurement for Evaluation in Physical Education and Exercise Science.

Class Policies and Procedures:

Excellent attendance is expected. 1.5 points will be deducted from the final grade for each class missed during the practicum (Nov. 21 – Dec. 7).

The Augusta State University policy on academic honesty will be upheld.

All assigned projects must be completed and turned in by the assigned date. There will be a deduction of 2 points / day for late work.

Act and dress as a professional during your field experience.
Assigned readings are to be completed prior to class.

Turn off cell phones during class.

Grading:

Four exams during the semester (15% each exam)

Written test construction project (20%)

Skill test project (10%)

Practicum class work 11/21 – 12/7 (10%)

Course Calendar

Week 1 Aug. 22-26

Course introduction. Read Chapter 1 and Chapter 14 (Evaluating Knowledge); Construct a table of specifications for a written test over a sports skill or topic related to Kinesiology of your choice.

Week 2 Aug. 29 – Sept. 2

Read Chapter 2 and Chapter 15. Construct 35 multiple choice items for the sport skill you selected. Refer to your table of specifications as you prepare items.

Week 3 Sept. 6-9.

Continue reading Chapters 2, 14, and 15. Peer review of items. Administer your test to 22 people. Score the tests.

Week 4 Sept. 12 – 16

Exam 1 on Sept. 14. Continue reading Ch 2.

Week 5 Sept. 19 – 23

Read Chapters 3, 4 and 5.

Week 6 Sept. 26 – 30

Lab

Week 7 Oct. 3 – Oct. 7

Exam 2 on Oct. 5. Perform an item analysis of your sports skill test data by hand. Calculate reliability and descriptive statistics using SPSS. Revise your test items based on the statistical feedback and peer review. Read Ch.3,4 5,14.

Week 8 Oct. 10 – Oct. 14

Exam 3 on Oct. 12. Read Chapter 13.

Week 9 Oct. 17 – Oct 21

Exam 4 on Oct. 19. Turn in 1) your test construction project and 2) your review of 3 published sports skill tests (or fitness assessments) for your selected activity by Oct. 21.

Week 10 Oct. 24-Oct. 28

Lab

Week 11 Oct.31-Nov. 4

Lab

Week 12 Nov. 7-Nov. 11

Lab

Week 13 Nov. 14- Nov. 18

Lab

Week 14 Nov. 21

Class practicum date assignments. Review of youth fitness assessments.
Read Chapters 8 , 9,10.

Week 15 + 16 Nov 28 – Dec. 7

Class practicum; present skill tests and dress for activity. Read Chapters 11,12.