

ESCI 6413 Adv. Measurement and Evaluation

010906

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Office Hours: 8:45 – 10:15 MW; 8:45-9:45 T

Course meeting location:

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. Calculate basic descriptive analyses by hand and using SPSS, and demonstrate an understanding of other statistical tools used in evaluation.
4. Demonstrate an understanding of the concepts of reliability and validity.
5. Demonstrate an understanding of the methods and considerations of performance testing and exercise psychological measurement.

Text: Morrow, Jackson, Disch, and Mood, 2005. *Measurement and Evaluation in Human Performance*. (Third Edition).

Supplemental Readings from Linn, R. L. and N. E. Gronlund. 2000. *Measurement and Assessment in Teaching* (8th Edition).

Bring a 3 ½ inch computer disk to each class session.

Schedule:

- 1/9 Course Overview; Read Chapters 1 and 2.
- 1/16 MLK Holiday. Read Chapter 3.
- 1/23 Collect descriptive data and analyze using SPSS.
- 1/30 Read chapter 4 and 5 Collect body composition data for analysis.
- 2/6 Chapters 4 and 5 and analysis continued.
- 2/13 Test 1. Read Chapters 6 and 7.
- 2/20 Read Chapters 8 .
- 2/27 Read Chapter 9.
- 3/6 Read Chapter 10.
- 3/20 Exam 2
- 3/27 Read Chapter 13.
- 4/3 Spring Break
- 4/10 Read Chapter 14.
- 4/17 Supplemental readings.
- 4/24 Supplemental readings.
- 5/2 Exam 3; notebook due.

Grading:

Three exams during the semester	20% each exam
Assignment/lab notebook	40%