

HPER 3150
Measurement and Evaluation
Fall 2009

INSTRUCTOR:	Dr. Ayers	EMAIL:	s.ayers@wmich.edu
OFFICE:	1046 SRC	PHONE:	269-387-2712
OFFICE HOURS:	T, R: 9:30-10:30a & by appointment	FAX:	269-387-2704
COURSE LOCATION:	3016 SRC (and computer lab)		
COURSE WEB SITE:	http://homepages.wmich.edu/~sayers		

COURSE DESCRIPTION: This course covers measurement and evaluation techniques in terms of understanding, interpretation, and application with emphasis on administration, selection, and use of tests; interpretation of results through statistical procedures; analysis of tests available in Exercise Science, Athletic Training, and Physical Education and techniques for developing assessment tools.

PRE-REQUISITE: HPER 1500

COURSE MATERIALS:

Morrow, J. R., Jr., Jackson, A. W., Disch, J. G., & Mood, D. P. (2005). *Measurement and evaluation in human performance* (3rd ed.). Champaign, IL: Human Kinetics.

COURSE OBJECTIVES:

Each student will identify on a written test and/or demonstrate in a laboratory experience:

- understanding of the principles of reliability, objectivity, and validity when making evaluative decisions about individuals and groups.
- knowledge and abilities to utilize formative and summative fitness, skill, cognitive, and affective measurement and evaluation techniques appropriate for assessing participants.
- utilize descriptive and basic inferential statistics to make decisions.
- ability to assess individual achievement of psychomotor, cognitive, and affective objectives.
- understanding of the principles involved in assessment of groups and effective physical education programs.
- knowledge and understanding of the statistical procedures used in the measurement and evaluation process.
- sound decisions when choosing fitness tests for adults and children.
- understanding of the principles associated with sound cognitive test development, utilization, and revision.
- understanding of the use of sound psychometric principles when using measurement in the affective domain.

ATTENDANCE: Students are expected to attend and participate fully in all course-related sessions to earn available points. In case of an absence, assigned class work will be accepted only if prior arrangements are made with the instructor. Individual circumstances will be given consideration only if the instructor is contacted before the day of the absence. Call or email. Attending all course-related meetings (ON TIME) and participating fully will add an additional 2% onto the final course grade.

Class begins promptly at 2:00pm EST (check classroom time).

ACADEMIC INTEGRITY/DISHONESTY:

Academic honesty is central to WMU’s educational mission. It enables each of us to fulfill our potential, learn effectively with and from one another, acquire specialized knowledge and skills, become informed, responsible and creative thinkers and have pride in our institution’s standing. To these ends I require that students in this class represent their own work accurately and truthfully without cheating, fabrication, falsification or forgery, multiple submission, plagiarism, complicity and computer misuse, according to the policies in WMU’s Student Code that pertain to Academic Integrity (<http://catalog.wmich.edu>). If there is reason to believe you have been involved in academic dishonesty you will be referred to the Office of Student Conduct. You will be given an opportunity to review the charge(s). If you believe you are not responsible you will have the opportunity for a hearing.

This particular class includes group/partner assignments and lab experiences. Although you may discuss these with others in this class, **the final answers that you turn in for grading must be written independently by you, and reflect your own efforts, knowledge, understanding and expression of ideas.** Use of others’ work constitutes academic dishonesty. In addition, offering or providing your work to others is also a form of academic dishonesty (complicity). If you have questions or are confused about what is or is not appropriate regarding this, or other issues of academic integrity, please consult with me during office hours or after class. I am available at those times to discuss anything pertaining to this course. The WMU Writing Center can give you additional help with paraphrasing and citing sources correctly. If you observe other students in this class engaging in any form of academic dishonesty I invite you to approach me in confidence about it.

Please see the following links to access the Code of Honor and general academic policies on issues including but not limited to diversity, religious observance and student disabilities:

<http://osc.wmich.edu>

<http://osc.wmich.edu>

<http://www.wmich.edu/registrar>

ACADEMIC REQUIREMENTS :

Students must be present in class to submit assignments. NO LATE WORK WILL BE ACCEPTED. Unless otherwise stated, all assignments are due on the indicated date at the beginning of class. If students are dissatisfied with a grade, any discussion of that grade must occur within one week of receipt to be reconsidered. NO grades will be changed after that one week ‘grace period.’

<u>GRADE COMPONENT</u>	<u>% OF GRADE</u>	<u>GRADING SCALE</u>
Final project	30	92 -100% = A
Labs	20	89 - 91% = BA
Assignments/Class activities	20	80 - 88% = B
Quizzes	15	77- 79% = CB
Mid-term exam	15	70- 76% = C
		67- 69% = DC
		60- 66% = D
		<60% = E

HPER 3150 Tentative Block Schedule

Date	Tuesday	Date	Thursday	Date	Friday (LAB)
9/8	-Course Orientation -Pre-test	9/10	-Introduction to tests & measurement - Intro to Excel Assigned Reading: Ch. 1 & pg. 27-8	9/11	Using Excel DUE: Lab1 print out
9/15	-Descriptive statistics Assigned Reading: Ch. 3	9/17	-Descriptive statistics II Assigned Reading: Ch. 3	9/18	Collect & enter class data and run descriptive stats DUE: Lab2 print out

9/22	-Descriptive statistics III -Descriptive stats worksheet Assigned Reading: Ch. 3	9/24	<i>Quiz 1: Excel</i> -Descriptive statistics IV Assigned Reading: Ch. 3	9/25	Interpreting descriptive statistics DUE: Assignment 1
9/29	<i>Quiz 2: Descriptive Statistics</i> -Correlation & Prediction Assigned Reading: Ch. 4	10/1	-Correlation & Prediction II Assigned Reading: Ch. 4	10/2	Applying correlation and prediction DUE: Lab4 print out
10/6	-Correlation & Prediction III Dr. Liu Assigned Reading: Ch. 4	10/8	<i>Quiz 3: Correlation & Prediction</i> Dr. Liu -Norm-referenced measurement Assigned Reading: Ch. 6	10/9	Interpreting correlation and prediction DUE: Assignment 2
10/13	-Norm-referenced measurement II Assigned Reading: Ch. 6	10/15	-Criterion-referenced measurement Assigned Reading: Ch. 7	10/16	Determining reliability & validity DUE: Lab6 worksheet
10/20	<i>Quiz 4: Norm- & Criterion referenced measures</i> -Midterm review DUE: Midterm study guide	10/22	MIDTERM CH 1-7	10/23	
10/27	<i>Quiz 5: Alternative asmt and grading</i> -Alternative assessments Assigned Reading: Ch. 8 DUE: Assignment 3	10/29	-Grading Assigned Reading: Ch. 9 DUE: Assignment 4	10/30	Project development DUE: Assignment 5
11/3	-Cognitive assessments Assigned Reading: Ch. 10	11/5	-Cognitive assessments II Assigned Reading: Ch. 10	11/6	Developing cognitive measures DUE: Assignment 6
11/10	<i>Quiz 6: Cognitive asmt</i> -Psychomotor assessments Assigned Reading: Ch. 13	11/12	-Psychomotor assessments II Assigned Reading: Ch. 13 DUE: Psychomotor assmt.	11/13	Developing psychomotor assessments DUE: Assignment 7
11/17	<i>Quiz 7: Psychomotor assessment</i> -Youth fitness assessments Assigned Reading: Ch. 12	11/19	-Youth fitness assessments II Assigned Reading: Ch. 12	11/20	Measuring fitness DUE: Lab10 worksheet
11/24	<i>Quiz 9: Fitness assessment</i> -Psychological measures I Assigned Reading: Ch. 14	11/26	THANKSGIVING	11/27	THANKSGIVING
12/1	-Psychological measures II Assigned Reading: Ch. 14	12/3	Computer Lab Project data analyses & interpretation	12/4	Project work DUE: Assignment 8
12/8	-Finalize projects -Post-test	12/10	Presentations	12/11	Presentations
12/16 (Wed.) 2:45-4:45 p.m. Presentations					