

EASTERN ILLINOIS UNIVERSITY
College of Education and Professional Studies
Kinesiology and Sports Studies Department
Fall 2009

PED 4470 001– Measurement and Evaluation in Physical Education

Instructor Information

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Office Hours: TR. 12:00-13:00p.m.- Wed.14:00-16:00p.m.

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Course Information

Location: MCAF 2210

Day: MWF

Hours: 9:00-9:50

COURSE DESCRIPTION

Selection and administration of physical measurements and written tests commonly used in physical education.

COURSE LEARNING OUTCOMES

Students will :

- 1) Develop an understanding of current measurement and evaluation terminology.
- 2) Become familiar with and administer various tests of motor ability and sports skills.
- 3) Examine procedures in the construction of written tests.
- 4) Develop an understanding of tests and procedures used in evaluating special populations.
- 5) Become familiar with and administer the FitnessGram and President's Challenge.
- 6) Administer the testing procedures for all components of health-related fitness.
- 7) Identify and develop a course-long testing and evaluation strategy.
- 8) Develop and integrate a testing-grading philosophy.
- 9) Be familiar with current technology trends in testing and evaluation.

REQUIRED TEST

1. Baumgartner, T.A., Jackson, A.S., Mahar, M.T & Rowe, D.A. (2007). Measurement for Evaluation in Physical Education and Exercise Science (8th edition). Boston:McGrawHill.

INSTRUCTIONAL APPROACH

Lecture, discussion, problem-solving activities, cooperative learning and examinations will be utilized and will provide the basis for class sessions throughout the course. Lecture topics generally follow the sequence of chapters in the basic text and relate to the reading assignments given to the students. However, **you will occasionally be required to dress for assessment practices.**

RULES AND REGULATIONS

Attendance: Students are expected to attend class meetings as scheduled. When an absence does occur, the student is responsible for the material covered during the absence. When possible, the student should notify the instructor in advance of an anticipated absence. You are allowed **1 unexcused absence**. Six unexcused absences constitute an "F" for the course. Every unexcused absence will result 10 point deduction.

All EIU academic rules and regulations should be followed for this class. Please refer to EIU catalog for academic integrity, class attendance, etc.

<http://catalog.eiu.edu/content.php?catoid=16&navoid=372>

Tardy or early departure from class: For every tardy and/or early departure from class after one (1), 5 points will be deducted from the student's final point total.

Late Assignments: Observance of due date of assignments are expected from all students as professional behavior. By expecting unforeseen events, it is a good idea to begin the assignments well in advance of the deadline so that you can meet the deadline. In the case of late assignment, you will lose some points from your work.

1 day late = - 25%; 2 days late = -50%; 3 days late = -75%; 4 days = -100%

Special note: If you have a documented disability and wish to receive academic accommodations, then please contact the coordinator of the Office of Disability Services (581-6583) as soon as possible.

Evaluation

Article summary/share	10pts
Research paper/presentation	20pts
Assessment Practices	15 pts
Class Attendance/Participation	10 pts
Quizzes	10pts
Mid-Term	15pts
Final	20pts
Extra Credit (Fitness Log)	5pts

Evaluation Scale

A = 100 - 90
B = 89 - 80
C = 79 - 70
D = 69 - 60
F = 59 points and below

ASSIGNMENTS

1. ARTICLE SUMMARY/SHARE (1):

Read and summarize the findings of **1 article** related to measurement and evaluation. Your article could be a **research article** or **review**. **Research article** is where researchers set hypothesis (research questions) and collect data to investigate their research questions. **Review article** includes selected number of research articles and reviews. Your article summary should include following sections:

- What was the question?
- What was done?
- What was found?
- What does the study mean?
- Reference

Your article should come from professional periodicals/journals related to physical education and sport.

You can find research articles by visiting Booth Library

<http://www.library.eiu.edu/eresources/databases/websites.asp?Subcode=PHE>

<http://xe3qs2ub9w.search.serialssolutions.com/?V=1.0&L=XE3QS2UB9W&N=100&S=SC&C=SO0139>

Suggested journals for your article summary

Journal of teaching in physical education(Booth Library Periodicals Collection)

Teaching elementary physical education(Booth Library Periodicals Collection)

Measurement in physical education and exercise science (from 03/01/1997 to present in [Academic Search Premier](#) and [Health Source: Nursing/Academic Edition](#))

Physical educator (from 09/22/2000 to present in [Expanded Academic ASAP](#))

Quest (Booth Library Periodicals Collection)

Adapted physical activity quarterly (Booth Library Periodicals Collection)

American journal of health behavior(from 01/01/2002 to present in [Academic Search Premier](#))

European physical education review (from 02/01/1999 to present in [SAGE Premier 2008](#))

International journal of physical education (Booth Library Periodicals Collection)

Journal of sport behavior (from 03/01/1993 to present in [Expanded Academic ASAP](#))

Journal of sports medicine and physical fitness(Booth Library Periodicals Collection)

Research quarterly for exercise and sport (from 03/01/1993 to present in [Expanded Academic ASAP](#))

Article summary must be accompanied by a photocopy of the article, and should be typed, double-spaced, and at least 500-700 words (**max 2 pages**). APA style should be used for your paper.

APA style writing:

<http://apastyle.apa.org/>

<http://flash1r.apa.org/apastyle/basics/index.htm>

<http://owl.english.purdue.edu/owl/resource/560/01/>

Summarizing, paraphrasing, and quoting from Sources:

<http://www.eiu.edu/~writing/Important%20Points%20about%20Using%20Sources-APA.pdf>

2. SPECIAL TOPIC GROUP RESEARCH PAPER AND PRESENTATION:

In groups of 3-4, you will examine a special topic in measurement and evaluation related issues in physical education and sport. You will compile a research paper and will do 15-20 min group presentation.

Follow 4 steps to complete this assignment:

1. Determine your topic or select from suggested list (**List will be provided soon**).
2. Locate articles from professional/refereed journal (5 articles)
3. Write research paper
 - a. The research paper will be at least 6 pages long (APA style, double-space, one inch margin, 12 point font)
 - b. The paper should be organized into four sections: introduction, review, conclusion, and reference. Papers will be graded based on:
 - i. Introduction

1. Attention gather statement/paragraph
2. Statement of what will be discussed
3. Clear statement of purpose
- ii. Review
 1. Quality of integration of the information from the different references
 2. How well the paper is organized and written (flow of information, paragraph structure...)
 3. Whether the content is based on research (cite articles after discussing their experiments/results)
- iii. Conclusion
 1. Bring ideas together
 2. Specific well found ideas/solutions/recommendations
- iv. References
4. Presentation and discussion

Present your research paper for 15-20 min and follow your presentation with 10-15 min discussion (please prepare questions to stimulate group discussion)
3. **ASSESSMENT PRACTICES:** These practices will help you to connect theory and practice.

Assessment Practice 1: Assessing physical activity

Assessment Practice 2: Aerobic Fitness Test

Assessment Practice 3: Measuring Body Composition

Assessment Practice 4: Measuring Physical Fitness (FitnessGram)

Assessment Practice 5: Measuring Physical Fitness (PCFT)

Assessment Practice 6: Assessing Sports Skills

Assessment Practice 7: Assessing FMS Development

4. **CLASS PARTICIPATION:** Attendance will count toward class participation. All students are required to participate in class activities. Class participation also means being on time and staying in the class until class is dismissed. Excellent attendance/participation record is equal to 10 points.
5. **QUIZES:** There will be 5 quizzes to evaluate your understanding of course material. It will serve as formative evaluation of chapter objectives. To get prepared, answer questions taken from the "Formative Evaluation of Objectives" section (end of each chapter).
6. **FINAL EXAM:** There will be one comprehensive final exam for summative evaluation.

7. EXTRA CREDIT FITNESS LOG:

Keep a fitness log in terms of 5 physical fitness components (muscular strength, endurance, cardio respiratory endurance, flexibility, and body composition). Use **free assessments available in ATP Lab 1011 to monitor your fitness**. Since there is a high demand for the fitness assessment lab, you need to sign up **as soon as possible** (Refer to WebCT for sample log).

TENTATIVE COURSE OUTLINE

Weeks	Topics	Days	Readings/Exams/Assignments/Imp. Days
Week 1 Aug. 24 - 28	1 Measurement and Evaluation in a Changing Society	Aug. 24	Intro to course, syllabus, assignments, grading
		Aug. 26	Chapter 1
		Aug. 28	Chapter 1
Week 2 Aug. 31 – Sept. 4	3 Reliability and Objectivity	Aug. 31	Chapter 3
		Sept. 2	Chapter 3
		Sept. 4	Chapter 3
Week 3 Sept. 7 - 11	2 Statistical Tools in Evaluation	Sept. 7	Labor Day Observance/No Classes
		Sept. 9	Quiz on Chapters 1&3
		Sept. 11	Chapter 7
Week 4 Sept. 14-18	7 Authentic and Alternative Assessment	Sept. 14	Chapter 7
		Sept. 16	Chapter 7
		Sept. 18	Chapter 7
Week 5 Sept. 21 - 25	9 Measuring Physical Activity	Sept. 21	Chapter 9, Article Summary is Due
		Sept. 23	Chapter 9; AP1
		Sept. 25	Chapter 9;AP1
Week 6 Sept. 28 –	11 Evaluating Aerobic Fitness	Sept. 28	Quiz on Chapters 7 & 9
		Sept. 30	Chapter 11

Oct. 2		Oct. 2	Chapter 11
Week 7 Oct. 5 -9	12 Evaluating Body Composition	Oct. 5	Chapter 11; AP2
		Oct. 7	Chapter 12
		Oct. 9	Fall Break/No Classes
Week 8 Oct. 12 - 16	12 Evaluating Body Composition	Oct. 12	Chapter 12
		Oct. 14	Chapter12; Review for Mid-term
		Oct.16	Chapter12; Mid-term
Week 9 Oct. 19 - 23	12 Evaluating Body Composition	Oct.19	Chapter 12; AP3
		Oct. 21	Chapter 12; AP3
		Oct. 23	Quiz on chapters 11 & 12
Week 10 Oct. 26 - 30	13 Evaluating Youth Fitness and Physical Activity	Oct. 26	Chapter 13
		Oct.28	Chapter 13; AP4
		Oct. 30	Chapter 13; AP4
Week 11 Nov. 2 - 6	13 Evaluating Youth Fitness and Physical Activity	Nov. 2	Chapter 13
		Nov. 4	Chapter 13; AP5
		Nov. 6	Chapter 13; AP5
Week 12 Nov. 9 - 13	8 Evaluating Skill Achievement	Nov. 9	Chapter 8
		Nov. 11	Chapter 8
		Nov. 13	Chapter 8
Week 13 Nov. 16 - 20	8 Evaluating Skill Achievement	Nov. 16	Chapter 8; AP6
		Nov. 18	Chapter 8; AP6
		Nov. 20	Quiz on chapters 13 & 8
Week 14 Nov. 23 – 27		Nov. 23 - 27	Thanksgiving Break

Week 15 Nov. 30 – Dec. 4	16 Evaluating Knowledge	Nov. 30	Chapter 16
		Dec. 2	Chapter 16
		Dec. 4	Quiz on Chapter 16
Week 16 Dec. 7 - 11	Assessing Fundamental Skills	Dec. 7	Extra Credit (Fitness Log Due)
		Dec. 9	AP7
		Dec. 11	AP7
Week 17 Dec. 14 - 18	Final's Week	Dec. 14 - 18	Final Examination; http://www.eiu.edu/~registra/fafinals.html Tuesday, Dec. 15; 8:00-10:00 am

Notes.....

- a. All work submitted by students must be **TYPED**
- b. Please turn phones and music players off and remove earpieces prior to the start of class and leave them in your pocket or backpacks.
- c. **Be ready to share your article summary with your classmates during group activity at the due date.**