

The University of Texas at Arlington
College of Education
Fall 2009

Course Title Data Acquisition and Management

Course Number: KINE 3325 001

Course Location and Time: PEB 303 MWF 1:00 – 1:50

Instructor: Dr. Abu B. Yilla

Office: P. E. Building. Rm. 101A

Office Hours: MWF 12:15 – 12:45, TR 11:30 – noon, or by appointment

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The mission of The University of Texas at Arlington is to pursue knowledge, truth and excellence in a student-centered academic community characterized by shared values, unity of purpose, diversity of opinion, mutual respect and social responsibility. The University is committed to lifelong learning through its academic and continuing education programs, to discovering new knowledge through research and to enhancing its position as a comprehensive educational institution with bachelor's, master's, doctoral and non-degree continuing education programs.

COLLEGE OF EDUCATION MISSION: To develop and deliver an educational program that ensures the highest teacher, administrator and allied health science preparation and performance and

To be a recognized contributor in the field of educational and allied health science research and practice through effective teaching, quality research and meaningful service.

The Educator and Administrator Preparation units' collaboratively developed shared vision is based on these **CORE VALUES**, dispositions and commitments to:

- Excellence
- Learner-centered environment
- Research-based
- Collaboration
- Diversity
- Technology
- Field Experiences
- Life-long Learning

(See end of syllabus)

Course Prerequisites: KINE 1400, MATH 1302 or instructor's permission

Required Textbook(s) and Materials:

Morrow, J.R., Jackson, A.W., Disch, J.G., & Wood D.P. 2005. Measurement and Evaluation in Human Performance. Human Kinetics: Champaign, IL.

Course Description: This course is intended to address the current practices in the conduct of data-based measurement and evaluation processes. Specifically, the course will address the roles of measurement and evaluation relative to pedagogical kinesiology, exercise, sport, and related fields.

Course Learning Goals/Objectives:

General Objectives:

- Upon completion of this course, the student should be able to...
- A. Use basic statistical techniques for evaluation.
- B. Demonstrate the ability to use a computer in data analysis and evaluation.
- C. Apply reliability and validity theories to data acquisition and management.
- D. Explain the role of data acquisition and management.
- E. Construct and evaluate motor performance and/or fitness tests.
- F. Critique, develop and present "research" materials.
- G. Identify uses, misuses, and abuses of measurement and evaluation

NCATE Standards:

- Standard 1: Candidate Knowledge, Skills, and Dispositions
- Standard 3: Field Experiences and Clinical Practice

NASPE Standards:

- Standard 1: Content Knowledge

Texas Certification Standards:

6.8k	The role of computers and other technologies in communicating, networking, and fostering inquiry about topics related to physical education.
6.2s	Design and implement appropriate instruction that is safe, achieves goals, and ensures student progress, motivation, and safety;
6.3s	Utilize appropriate teaching resources and curriculum materials for various purposes and objectives;
6.12s	Evaluate and use various types of technologies (e.g., Internet, computer databases, videos) to communicate, network, and conduct research related to physical education.
Standard VII	The physical education teacher understands and uses formal and informal assessment to promote students' physical, cognitive, social, and emotional development in physical education contexts.
Standard IX	The physical education teacher collaborates with colleagues, parents/caregivers, and community agencies to support students' growth and well-being.
Standard X	They physical education teacher understands the legal issues and responsibilities of physical education teachers in relation to supervision, planning and instruction, matching participants, safety, first aid, and risk management.

Note. It is recommended that pedagogy students post relevant work into LiveText. The instructor will identify these elements at the appropriate time.

Athletic Training Standards: (Health Care Administration)

Standard 46	Cognitive Domain
Standard 8	Psychomotor Domain

Attendance and Drop Policy:

Roll will not be taken. However, students will be responsible for all materials presented in class. Make-up exams will not be scheduled unless **prior** notification is given to the instructor. A missed exam will be graded as a 0. Homework submitted late will incur a point deduction penalty. Students will be held accountable for participation in all research project activities. **Attendance is required on the oral and poster presentation dates,**

Week			Content
1	8/24	M	Introduction and presentation of the syllabus
	8/26	W	Group work day: Selection of groups and general topic areas
	8/28	F	Group work day: Details of research project.
	8/31	M	Chapter 1 Introduction to tests and measurement
	9/2	W	Group work day: Question identified
	9/4	F	Chapter 1 Question and Provisional Title due
3	9/7	M	Labor Day
	9/9	W	Chapter 2 (Chapter 1 homework due)
	9/11	F	Group work day: Work on Introduction
4	9/14	M	Chapter 3
	9/16	W	Chapter 3 continued
	9/18	F	Group work day: Work on Introduction
5	9/21	M	Chapter 4 (Chapter 3 homework due)
	9/23	W	Chapter 4 continued
	9/25	F	Group work day:
6	9/28	M	Chapter 5 (Chapter 4 homework due) Introduction due
	9/30	W	Chapter 5 continued
	10/2	F	Chapter 5 continued
7	10/5	M	Chapter 5 continued
	10/7	W	Exam 1:
	10/9	F	Group work day: Work on Methodology
8	10/12	M	Chapter 6 (Chapter 5 homework due)
	10/14	W	continued
	10/16	F	Group work day: Methodology due
9	10/19	M	Chapter 7 (Chapter 6 homework due)
	10/21	W	continued
	10/23	F	Group work day:
10	10/26	M	Group work day: Exam Review/Discussion
	10/28	W	Group work day:
	10/30	F	Exam 2
11	11/2	M	Group work day: Work on Results
	11/4	W	Group work day: (SPSS Lab work on Results)
	11/6	F	Group work day:

Week			Content
12	11/9	M	Group work day: Results due
	11/11	W	Group work day (Meetings with Dr. Yilla)
13	11/13	F	Group work day (Meetings with Dr. Yilla)
	11/16	M	Group work day (Meetings with Dr. Yilla)
	11/18	W	Group work day (Meetings with Dr. Yilla)
	11/20	F	Group Presentations
14	11/23	M	Group Presentations
	11/25	W	Group Presentations
	11/27	F	Thanksgiving
15	11/30	M	Group Presentations
	12/2	W	Poster presentations 1-3 pm
	12/4	F	Group research project paper due
	12/7	M	11 - 1:30 p.m. Exit interview and identification of grades

Plagiarism

As part of this class you are required to complete the UTA plagiarism tutorial at <http://library.uta.edu/tutorials/Plagiarism> at the end of the tutorial there is a quiz. If you successfully complete the quiz you will have the option of emailing the results. Email this form to me at abu@uta.edu This is mandatory and MUST be completed by the end of the second week of the semester.

Any student found to have plagiarized work will receive an **F** for the class.

Homework assignments:

All assignments will be accepted during the class period on the day they are due. Anything turned in after this time will be considered late. **Late assignments will be subject to point deduction. All homework assignments must be satisfactorily completed in order for the student to receive a grade for this course.** All homework will comprise 25 % of the final grade (see grading below).

Exams: There will be two exams worth 20 points each. Exams will comprise 40 % of the final grade (see grading below).

Project:

Each student will be responsible for completing a group research paper/project during the semester. This project will consist of the student working in a group with colleagues. The group will select a topic of interest within the field of Kinesiology and conduct a research activity relating to that topic. The group will design, conduct, and compute all results for the project. It is recommended that students work in a group with colleagues in their selected sub-discipline (Pedagogy, Athletic Training, or Exercise Science). Under certain circumstances the group will also have to fulfill UTA Institutional Review Board requirements related to research.

Presentation of your research project will be required in both an oral and a poster format. We will discuss the parameters of this project in depth during the early part of the semester. **Students must actively participate in this group project to successfully complete the course.** The project will comprise 35 points of the final grade (see grading below).

In the event that a student does not participate fully, I reserve the right to adjust project grades based on the feedback provided by other group members, and my own observations during the times that groups consult with me.

Initial research project task: View a DVD on reserve in the library: **Understanding research [videorecording] / Writer, Lauren Farrar ; producer, Nimmers Stern.** Call Number: Q180.55.E9 U53 2008. Produce a paper no shorter than two pages, no longer than three, double spaced, maximum 12 point font. Provide your understanding of what the DVD states regarding the research process (what did they say). The paper will be graded for a maximum of 2% extra credit on the final project grade. This assignment is a mandatory group project

Extra Credit: The instructor will announce any further extra credit if the opportunity arises.

Grading

	Value	Total points
Homework assignments (5)	5 points each	25
Exams (2)	20 points each	40
Group project, written paper		
Introduction	5	
Methods	3	
Results	5	
Conclusion/Discussion	2	15
Group project oral presentation		10
Group project poster presentation		10
Total		100

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
59 or less	F

Attendance: Roll will not be taken. However, students will be responsible for all materials presented in class.

Drop Policy: The University has adopted a uniform drop policy. The Last Drop Date for undergraduates will occur at a point two-thirds of the way through a given semester or session, which usually occurs at the end of the tenth week of classes. As usual, students are allowed to drop until 5:00 p.m. CST on that date. Undergraduate students who drop a course on or before the Last Drop Date will receive an automatic grade of "W" regardless of whether they have completed assignments or not.

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at www.uta.edu/disability. Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

Commitment to Diversity: In our commitment to the furthering of knowledge and fulfilling our educational mission, the College of Education at the University of Texas at Arlington seeks a campus climate that welcomes, celebrates, and promotes respect for the entire variety of human experience. In our commitment to diversity, we welcome people from all backgrounds. We seek to include knowledge and values from many cultures in the curriculum. Dimensions of diversity shall include, but are not limited to, the following: race, ethnicity, religious belief, sexual orientation, sex/gender, disability, socioeconomic status, cultural orientation, national origin, and age

Academic Integrity: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2)

Student Support Services Available: The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve

academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

Librarian to Contact: Eric Frierson frierson@uta.edu,

E-Culture Policy: The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email. All students are assigned an email account and information about activating and using it is available at www.uta.edu/email. New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly. When emailing me please place KINE 3304 in the subject line for all correspondence relating to this class.

Make-up Exam Policy: Make-up exams will not be scheduled unless prior notification is given to the instructor. A missed exam will be graded as a 0.

Grade Grievance Policy: See University policy for grade grievances related to this class.

The University of Texas at Arlington College of Education

Mission, Core Values and Professional Dispositions

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To be a recognized contributor in the field of educational and allied health science research and practice through effective teaching, quality research and meaningful service.

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- Excellence
- Learner-centered environment
- Research-based
- Collaboration
- Diversity
- Technology
- Field Experiences
- Life-long Learning

Each candidate in the Educator and Administrator Unit of the College of Education of UT-Arlington will be evaluated on **PROFESSIONAL DISPOSITIONS** by faculty and staff. These dispositions have been identified as essential for a highly-qualified educator. Instructors and program directors will work with candidates rated as "unacceptable" in one or more stated criteria. The candidate will have an opportunity to develop a plan to remediate any deficiencies.

Demonstrates excellence

- Meets stated expectations of student performance.
- Keeps timelines. Arrives on time for class and other activities.
- Produces significant artifacts of practitioner evidence.
- Possesses a willingness to set goals.
- Attends all classes/trainings and practicum experiences.
- Completes activities as assigned.
- Has appropriate personal appearance and/or hygiene for professional setting.

Participates in a learner centered environment and shows respect for self and others

- Uses appropriate and professional language and conduct.
- Supports a "high quality" learning environment.
- Shows respect and consideration for the thoughts and feelings of others.

Research-based pedagogy

- Has an awareness of and willingness to accept research-based concepts.
- Identifies important trends in education.
- Demonstrates interests in learning new ideas and strategies.
- Relates class discussions and issues to current events in education.

Participates in on-going collaboration with peers and professionals

- Demonstrates kindness, fairness, patience, dignity and respect in working with peers, staff and instructors.
- Works effectively with others.
- Assists others in the university classroom or practicum setting.
- Demonstrates an openness to assistance from others.
- Receives feedback in a positive manner and makes necessary adjustment.

Exhibits stewardship of diversity

- Shows appropriate stewardship and tolerance to diverse people, environments, and situations.

Advocates use of technology

- Uses and applies existing technologies sufficiently in work.
- Shows a willingness to use and apply emerging technologies in work.

Shows interest in the learner and the learning-process

- Demonstrates significant learning improvement over time.
- Shows interest in the learning process and demonstrates the necessary amount of time, energy, and enthusiasm for becoming better learners, teachers, and practitioners.