DEPARTMENT OF HEALTH AND KINESIOLOGY

Overview
http://hlknweb.tamu.edu

Head: R. B. Kreider

The following graduate degrees are offered in the department.

Master of Science (MS) in Athletic Training: is an entry-level athletic training program for students who do not hold a bachelor's degree in athletic training but who wish to pursue athletic training credentials by the Board of Certification (BOC) and pursue a career as a Certified Athletic Trainer (ATC). Admission to the Master of Science in Athletic Training (MSAT) program at Texas A&M University is selective and competitive with the total number of students accepted each year based on space availability. Students wishing to pursue a Master of Science degree in Athletic Training must apply and meet all general requirements for admission to the Graduate School of Texas A&M University and the Department of Health and Kinesiology’s MSAT program. Acceptance by the Graduate School does not guarantee acceptance into the MSAT Program. For application requirements and prerequisites, visit the MSAT program webpage at http://graduateathletictraining.tamu.edu.

Once admitted into the Master of Science in Athletic Training program, students must meet the retention and progression criteria for the program as described on the MSAT program webpage (http://hlknweb.tamu.edu/sites/hlknweb.tamu.edu/files/Retention%20and%20Progression.pdf).

Joint Bachelor of Science/Master of Science (BS/MS) in Health Education: Allows for a seamless transition from the B.S. degree to the MS degree for exceptional undergraduate students. The program is designed to prepare advanced level health educators.

Master of Science (MS) in Health Education: is a theory-based degree that provides advanced training with emphases in health education. There are non-thesis and thesis options.

Master of Science (MS) in Kinesiology: provides advanced training in the general area of kinesiology with an emphasis on research. Within this broad option, students may elect more specialized study in clinical exercise physiology, exercise physiology, motor behavior, sport pedagogy and sport physiology. Both thesis and non-thesis options are offered.

Master of Science (MS) in Sport Management: provides advanced training in the general area of sport management. Both thesis and non-thesis options are offered.

Doctor of Philosophy (PhD) in Health Education: prepares students for research in health education. Graduates may aspire to research-oriented positions in public or higher education and schools of allied health as well as voluntary or governmental health and/or safety agencies. Graduates of this program are prepared for careers in teaching and research in each of these areas.

Doctor of Philosophy (PhD) in Kinesiology: prepares students for post-doctoral appointments and positions in universities, industry, the military and research institutes. Graduates are trained for teaching and research careers in the following specialization.

Exercise Physiology: The program prepares students to conduct research in basic and applied exercise physiology. Emphases in the applied programs are in neuromuscular efficiency and control, cardiorespiratory response to exercise, exercise and lipid metabolism, and changes in bone structure and metabolism in response to exercise as well as disuse, bed rest and micro gravity. Emphases in basic research include mechanisms of exercise-induced injury, neuromuscular efficiency, muscle blood flow, muscle metabolism and free radical stress, and the molecular biology of bone adaptation to stress.

Motor Behavior: The program is experimentally oriented and is specifically designed to provide students with a thorough foundation in the theoretical processes that assist the performance and learning of perceptual-motor skills. Emphases in motor learning, motor control and motor development are offered.

Sport Management: The program prepares students to conduct research in applied and basic areas of sport management. Emphases in the applied areas are in organizational and group diversity; the under-representation of women and ethnic minorities in sport organizations; organizational effectiveness; organizational structure and strategy; organizational change; sport marketing; and consumer behavior. Emphases in the basic areas focus on relational demography; intergroup processes; and sport consumer behavior. Special areas of research correspond to those of the sport management faculty.

Sport Pedagogy: This specialization prepares students to design and conduct research on teaching/teacher education and curriculum and instruction, with an emphasis on linking theory to physical education practice. Interdisciplinary collaboration and research across the College of Education and Human Development are viewed as integral components of the sport pedagogy program.

Masters
- Master of Science in Athletic Training (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/athletic-training-ms)
- Master of Science in Health Education (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/health-education-ms)
- Master of Science in Kinesiology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/kinesiology-ms)
- Master of Science in Sport Management (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/sport-management-ms)

Doctoral
- Doctor of Philosophy in Health Education (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/health-education-phd)
- Doctor of Philosophy in Kinesiology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/education-human-development/health-kinesiology/kinesiology-phd)

Faculty
Alvarez, Andrea, Instructional Assistant Professor
Health & Kinesiology
MFA, Case Western Reserve University, 2016
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PHD, University of Connecticut, 1994

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PHD, Texas A&M University, 2014

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