

DEPARTMENT OF KINESIOLOGY

Chair: Dr. Emily Roper (936) 294-1169

Website: The Department of Kinesiology (<http://www.shsu.edu/academics/health-sciences/kinesiology>)

Mission

The mission of the Kinesiology program is to advance students' understanding of relationships among movement, exercise, and skill that occur in the contexts of development, learning, rehabilitation, and training. The program seeks to prepare future professionals for movement-related fields such as teaching, coaching, personal exercise, training and fitness. Learning occurs through the study of movement and exercise processes within a framework that emphasizes the clinical and practical implications of theory and research.

Highlights

- Web-based courses.
- Outstanding faculty and staff.
- Value student diversity with applied experiences.
- Faculty who have worked in the field.

Career Opportunities

- Corporate fitness
- Commercial fitness
- Hospital-based wellness
- Pre-professional programs for Occupational Therapy and Physical Therapy
- Cardiac rehabilitation
- Assistants to chiropractors and physical therapists
- Recreational specialists in camps, communities and YMCA's

Programs

- Master of Science in Kinesiology
- Master of Science in Sport Management
- Graduate Certificate in Advanced Exercise Testing and Prescription

KINE 5097. Special Topics in Kine. 3 Hours.

KINE 5334. Graduate Internship. 3 Hours.

An internship experience in a personal working environment, organizational setting. Supervisory assistance by project staff occurs at frequent intervals.

KINE 5362. Legal Issues In Sports. 3 Hours.

An examination of legal factors affecting Physical Education, amateur athletics and professional sport. Analysis will involve teachers, coaches, officials, spectators, medical personnel, owners of sports teams, and commercial suppliers of equipment and products used within an activity setting.

KINE 5363. Ldrshp In Hlth Promo/Sport Mgt. 3 Hours.

This course is designed for the individual who will assume some type of supervisory position in health promotion or sport management. The course's focal point involves exposure to administrative skills required of those who serve in a leadership capacity.

KINE 5367. Adv Physiology Of Exercise. 3 Hours.

Advanced content reflecting the scientific principles underlying exercise is coupled with an emphasis on laboratory experiences. Students will be required to conduct an applied research project on a topic of their choice.

Prerequisite: KINE 3373 or permission of instructor.

KINE 5368. Research in Sport & Human Perf. 3 Hours.

Students in this course focus on current research trends in Sport and Human Performance (SHP). Research on a variety of current topics in the field are analyzed and discussed. The course discusses media presentation and their application to the profession. Additionally, students develop and present a proposal for a research project.

Prerequisite: Graduate Standing.

KINE 5370. Sport Mkt: Theory & Practice. 3 Hours.

This course covers the essentials of sport marketing which includes planning, promotions, operations, and market analysis. The fundamental principles used in the marketing of sport, products, events, and the importance of service quality will also be examined. Students will be exposed to the latest research in the field and will interact with industry professionals.

KINE 5371. Sport Finance And Sales. 3 Hours.

Students will learn financial concepts associated with franchise operations, stadium funding proposals, budgets, and bond referendums. In addition, franchise revenue streams will be discussed in detail. Students will be exposed to a variety of different sales strategies and tactics that can be applied to the sport industry and will also be exposed to the latest research and professional trends in the field.

KINE 5372. Youth Fitness. 3 Hours.

This course is designed to provide participants with specific background and knowledge in how to appropriately plan programs geared to improving the fitness of youth. Central to this course is the development of an attitude that perceives youth fitness as a significant part of the school curriculum. This course will prepare individuals to promote youth fitness in an effective and scientific manner.

KINE 5373. Event & Facility Management. 3 Hours.

Practical application of the principles and theory related to planning, organization, and execution of sport and entertainment events will be addressed. Fund raising and charity management will be considered, as will the management of small and large scale facilities and event venues. Site visits and interactions with local sport organizations will also take place.

KINE 5374. Appld Rsrch Mthd-Kin & Spt Mgt. 3 Hours.

A study is made of research techniques, identification of problems, research designs and data gathering procedures. Students will develop a proposal for a research project.

KINE 5375. Statistical Design Hlth & Kin. 3 Hours.

Principles of advanced statistical techniques and measurement theory, with emphasis upon their application to Health, Kinesiology, and related areas, will be presented.

KINE 5376. Instrct Models Of Pe & Health. 3 Hours.

(SHSU Prior Course ID: KIN 576); The course will focus on various instructional approaches that will enable graduate students to effectively teach physical education in EC-12 schools. The course addresses the National Association for Sport and Physical Education Teacher Standards of content knowledge, diverse learners, management and motivation, communication, planning and instruction, and reflection.

KINE 5377. Independent Studies. 3 Hours.

This course is adaptable to the needs and interests of the individual student. Students with specific interests are provided the opportunity to investigate and make application in theoretical, laboratory, or field experience approaches to their area of concentration. A proposal is submitted to the faculty sponsor and the Chair of the Health and Kinesiology Graduate Committee the semester before the student plans to register for this course.

Prerequisite: KINE 5374.

KINE 5378. Applied Motor Dev In Pe. 3 Hours.

The course will focus on the principles that will enable graduate students to effectively teach students in EC-12 schools. Further, this course is designed to apply current research and literature to the study of the changes of human motor behavior over the lifespan, the processes that underlie these changes, and the factors that affect them. This course will emphasize the administration, collection, and analysis of data in the motor domain.

KINE 5379. Mgt Adult Fitness Programs. 3 Hours.

An analysis of factors associated with the management of commercial, corporate and hospital-based wellness programs. Special attention will be given to the purpose, development and maintenance of such programs.

KINE 5380. Ethics in Sport Management. 3 Hours.

This course is an examination of ethical theory and moral decision making as related to the management of sport. Graduate students will review research findings and current literature relevant to issues affecting concepts of ethics and morality in the management of sport. Through introspection, students will develop and express their philosophy toward ethics and morality.

KINE 5381. Clinical Exercise Physiology. 3 Hours.

Students in this course are introduced to a detailed study of the human physiological responses to activity and exercise in the presence of chronic disease. It provides students with fundamental knowledge of disease-specific pathology and treatment guidelines. Students are guided through the physiology associated with exercise testing and physical training of patients with chronic disease.

Prerequisite: Graduate standing.

KINE 5382. Community and Media Relations in Sport. 3 Hours.

This course is an intensive study of media in sport management addressing community relations, press conferences, news releases, media-athlete relations, print journalism, television contracts, web-based content and public relations. Emphasis will be placed on media management, athlete representation, and crisis management with the goal of positively representing organizational interests.

KINE 5383. Sport Consumer Behavior. 3 Hours.

Students in this course investigate sport consumer psychology and sport consumer behavioral patterns. An understanding of both sport spectator and sport participant consumption behaviors, with marketing and event management implications is emphasized. Students apply these concepts in advanced sport consumer marketing and sport event management scenarios.

Prerequisite: Graduate standing.

KINE 5384. Revenue Generation in Sport. 3 Hours.

Students develop an in-depth knowledge of how professional sport organizations and intercollegiate athletic departments generate the revenue needed to sustain successful business operations. Students focus on various strategies and execution methods related to sales, sponsorships, management, and marketing. Additionally, this course provides students with an opportunity to combine theory with practice.

Prerequisite: Graduate standing.

KINE 5385. Biomechanics of Injury. 3 Hours.

This course will examine the biomechanics of musculoskeletal injury. Specific topics to be addressed are the biomechanics of tissue and how biomechanical factors impact injuries to the lower-extremity, upper-extremity, and head, neck, and trunk.

Prerequisite: Graduate Standing; KINE 3362 or department approval.

KINE 5386. EKG/Cardiac Conditions. 3 Hours.

Students in this course develop an advanced understanding of cardiac anatomy and how electrical activity of the heart can be properly interpreted in order to detect abnormalities in the cardiovascular system. Emphasis is placed on identifying criteria for abnormal heart rhythms including conduction disturbances, and ventricular and supraventricular arrhythmias. Other topics to be addressed include systematic EKG interpretation techniques, myocardial ischemia and infarction, and the role of pharmacological agents and electrolytes on the EKG.

Prerequisite: Graduate Standing.

KINE 5389. Sports In American Culture. 3 Hours.

The course explores North American sport from a viewpoint that sport is a microcosm of society. Social structures, sub-cultures, and ethics are explored.

KINE 5390. Exercise Science Lab Practicum. 3 Hours.

This course is designed to educate the student on advanced laboratory methods typically utilized in applied exercise science. The student will gain experience on equipment used for assessment and evaluation of persons with varying needs. A research project is a major component of this course.

Prerequisite: Graduate standing.

KINE 5391. Motor Control in Practice. 3 Hours.

This course is designed to identify principles of motor control with emphasis on the application of these principles to Sport and Human Performance (SHP). Students investigate how motor control affects everyday movement and performance, and review and synthesize current literature and present the findings to their peers. Prerequisite: Graduate Standing.

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KINE 5392. Program Dev In Kinesiology. 3 Hours.

This course is designed to examine movement patterns and the developmental progression of motor actions in children and adolescents. The focus will be on how to create challenging curricula, while improving instructional skills.

KINE 5393. Adv Studies In Psy Of Sport. 3 Hours.

An advanced study of the psychological factors that affect, and are influenced by, sports participation. Both the coach and the athlete are considered in this analysis.

KINE 5394. Exercise for Critical Populations. 3 Hours.

This course is designed to educate students on methods for exercise testing and prescription for critical populations with obesity, diabetes, cancer, older adults, and other critical populations.

Prerequisite: Graduate standing.

KINE 5395. Advanced Biomechanics. 3 Hours.

The mechanical analysis of motion as it applies to the human musculoskeletal system. The course stresses advanced concepts of functional anatomy, linear and angular kinetics and kinematics, and application of those concepts in a laboratory/research setting. Emphasis is placed on data collection and evaluation in a semester research project.

Prerequisite: KINE 3362 or permission of instructor.

KINE 5396. Aerobic and Anaerobic Training. 3 Hours.

A detailed study of training techniques for competitive athletes will be presented. Evaluation of the competitive athlete, including test selection, administration, and integration into training programs, will also be presented. Students will learn to design effective training and conditioning programs based on the specific needs of the competitive athlete.

Prerequisite: Graduate standing.

KINE 5397. Current Issues In Kinesiology. 3 Hours.

This course will include topics and specific issues germane to current concerns in the areas of Physical Education, health-related wellness, sport on the professional level, and interscholastic and intercollegiate athletics. Students will be required to complete a research project requiring data collection and analysis.

KINE 5398. Significance Of Motor Learning. 3 Hours.

This course will present the theoretical and experimental bases for the understanding of human behavior in movement. Areas of study include feedback manipulation, motor programming, dynamic systems theory, generalizability of schema, forgetting, and compatibility analysis. Students are required to plan and conduct a research study testing a motor learning postulate of their own choosing.

Prerequisite: KINE 2363 or permission of instructor.

KINE 5399. Wksp Kin Recreation & Sport. 3 Hours.

An intensive laboratory-oriented experience for practitioners seeking to upgrade teaching, coaching, or leadership competencies in areas related to Kinesiology, Coaching, and Athletics. May be repeated for credit with approval of the Chair of the Health and Kinesiology Graduate Committee.

KINE 6098. Thesis. 1-3 Hours.

This phase of the thesis investigation includes the completion of the review of the related literature, formulation of the research design and procedures and related pilot studies. Some data collection may also occur, and the thesis symposium must be completed to the satisfaction of the advisor and members of the thesis committee. Variable Credit (1-3).

KINE 6399. Thesis. 3 Hours.

This phase of the thesis includes the completion of the data collection, as well as the actual writing and defense of the thesis.

Chair: **Emily A Roper**

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