KINESIOLOGY (KIN)

NOTE: All prerequisites for Kinesiology (KIN) courses must be completed with a grade of "C-" or better.

Kinesiology (KIN) Courses

KIN 1001. Individual Physical Activities. (0-3) 1 Credit Hour.
Practice in the techniques of individual physical activities. Sections focus on particular sports or fitness activities as indicated in the Schedule of Classes. May be repeated for credit, but not more than 6 semester credit hours of KIN 1001 alone or in combination with KIN 1101 will apply to a bachelor's degree. Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 1013. Freshman Topics in Kinesiology. (3-0) 3 Credit Hours.
This course is designed to help students acquire the tools and life skills necessary to succeed in college and the future. The curriculum is an overview of topics including: note and test taking, learning styles, concentration skills, stress management, communication, diversity, and how to choose a major and a career. The student will be oriented with the different aspects of Roadrunners for Life, UTSA’s version of the NCAA CHAMPS/Life Skills Program. A maximum of 3 semester credit hours of freshman topics courses may apply to a bachelor's degree. Generally offered: Fall, Summer. Course Fees: LRHC $10; STHC $18.

KIN 1101. Team Sports. (0-3) 1 Credit Hour.
Practice in the techniques of team sports. Sections focus on particular sports as indicated in the Schedule of Classes. May be repeated for credit, but not more than 6 semester credit hours of KIN 1101 alone or in combination with KIN 1001 will apply to a bachelor's degree. Generally offered Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 2003. Computer Applications in Kinesiology and Health. (3-0) 3 Credit Hours.
Prerequisite: KIN 2303 or HTH 2413. Application of computer and multimedia technology in Kinesiology and Health disciplines. Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 2111. Lifetime Fitness Activity Instruction. (1-2) 1 Credit Hour.
Practice in delivering instructions in lifetime fitness activities for adults. These activities include cycling, hiking, jogging, golf, badminton and tennis. Course Fees: LRH1 $10; PAG1 $20; STSH $5.

KIN 2123. Fitness and Wellness Concepts. (3-0) 3 Credit Hours. (TCCN = KINE 1338)
Prerequisite: KIN 2303 or consent of instructor. This course is designed to provide students with developmentally appropriate knowledge and skills in health and fitness. The course will address health-related issues in personal, interpersonal, and community settings. An individual fitness requirement may be required. Generally offered Fall, Spring. Course Fees: DL01 $75; LRHC $10; PAG1 $20; STHC $18.

KIN 2141. Medical Terminology. (1-1) 1 Credit Hour.
Prerequisites: KIN 2303 and admission to the Athletic Training concentration or Kinesiology and Health Science concentration. This course examines the word roots, prefixes, suffixes and terms used in medicine and clinical exercise. A major focus will be on the terms used in the major organ systems of the body, diseases, injuries, and medical treatments. Course Fees: DL01 $75; LRHC $10; STHC $6.

KIN 2211. First Aid and CPR. (1-2) 1 Credit Hour.
A study of basic first aid procedures, cardiopulmonary resuscitation (CPR), automated external defibrillation (AED), and blood borne pathogens. Upon successful completion of this course students will be able to sit for national certification in first aid and CPR. (Formerly KIN 3213. Credit cannot be earned for both KIN 2211 and KIN 3213.) Course Fees: KSM $10; LRHC $10; STHC $6.

KIN 2303. Foundations of Kinesiology. (3-0) 3 Credit Hours. (TCCN = KINE 1301)
Study of the history and philosophy of physical activity, and an introduction to anatomy, physiology, biomechanics, motor behavior, and psychology of exercise and sport. This course will also introduce careers in kinesiology and the requirements for graduation with a degree in kinesiology. (Formerly titled “Cultural and Scientific Foundations of Kinesiology.”) Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; STHC $18.

KIN 2421. Outdoor Activities and Innovative Games. (1-2) 1 Credit Hour.
Prerequisite: KIN 2303. Practice in delivering instructions of selected outdoor activities (hiking, orienteering, biking) and innovative games for all age groups. Weekend class field trips required. Laboratory fee will be assessed. (Formerly titled "Outdoor Activities and Lifetime Sports"). Generally offered: Fall, Spring. Course Fees: LRHC $10; PARC $40; STHC $6.

KIN 2441. Management in Kinesiology. (1-0) 1 Credit Hour.
Prerequisite: KIN 2303. Introduction to concepts and skills that will prepare the student to become an effective leader of physical fitness. (Formerly KIN 2423. Credit cannot be earned for both KIN 2423 and KIN 2441.) Course Fees: DL01 $25; LRHC $10; STHC $6.

KIN 3001. Skill Analysis in Physical Activity: Individual Activities. (1-2) 1 Credit Hour.
Practice in delivering developmentally appropriate physical activity instruction in a variety of selected individual activities such as golf, bowling, archery, and track and field. Generally offered Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 3011. Skill Analysis in Physical Activity: Team Sports I. (1-2) 1 Credit Hour.
Practice in delivering developmentally appropriate physical activity instruction in a variety of selected team sports, such as basketball, soccer, and baseball/softball. Generally offered: Fall. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 3013. Theory of Coaching. (3-0) 3 Credit Hours.
This course will discuss the principles and philosophies of coaching sports. Domains will remain consistent with that of the National Standards for Sport Coaches and will focus on philosophy and ethics, safety and injury prevention, physical conditioning, growth and development, teaching and communication, sport skills and tactics, organization and administration, and evaluation. Generally offered Fall, Spring. Course Fees: LRHC $10; STHC $18.

KIN 3021. Skill Analysis in Physical Activity: Team Sports II. (1-2) 1 Credit Hour.
Practice in delivering developmentally appropriate physical activity instruction in a variety of selected team sports, such as football, volleyball, and team handball. Generally offered: Spring. Course Fees: LRHC $10; PAG1 $20; STHC $6.
KIN 3031. Skill Analysis in Physical Activity: Dual Sports. (1-2) 1 Credit Hour.
Practice in delivering developmentally appropriate physical activity instruction in a variety of selected dual sports, such as badminton, tennis and handball. Generally offered: Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 3051. Group Fitness Instruction. (1-2) 1 Credit Hour.
Prerequisite: KIN 2303 or consent of instructor. Practice in delivering a variety of appropriate aerobic, musculoskeletal fitness, and wellness activities for children and adults. (Formerly titled "Aerobic Fitness Instruction"). Generally offered: Fall, Spring. Summer. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 3061. Foundational Movement. (1-2) 1 Credit Hour.
Provide instruction in facilitating the foundational movement skills which provide the basis for all movement capacities and their application in specialized activities geared to the early childhood through adolescent stages. (Formerly titled "Rhythmic Activities and Dance"). Generally offered: Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $6.

KIN 3103. Motor Development. (3-0) 3 Credit Hours.
A study of motor, physical, and neuromuscular development across the human life span. Effects of social, cognitive, growth and maturation, and aging factors on motor development will be addressed. Directed field experience may be required. Generally offered: Fall, Spring. Course Fees: LRHC $10; STFK $57; STHC $18.

KIN 3113. Scientific Principles of Physical Activity. (3-1) 3 Credit Hours.
A study of the physiological and biomechanical principles of physical activity and human movement. Emphasis is placed on acute responses and chronic adaptations of the musculoskeletal and cardiorespiratory systems to physical activity. Generally offered: Fall, Spring. Course Fees: DL01 $75; KSM1 $10; LRHC $10; STHC $18.

KIN 3303. Care and Prevention of Athletic Injuries. (3-0) 3 Credit Hours.
Prerequisite: KIN 3313 or BIO 2053. Prevention and care of athletic injuries. A study of training and conditioning for the team and individual. Techniques and procedures for emergencies: diagnostic, preventive, and remedial measures. Organization of the training room facility. Directed field experience may be required. (Formerly titled "Athletic Injuries and Training Procedures"). Generally offered: Fall, Spring. Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 3313. Anatomy and Physiology for Kinesiology. (3-1) 3 Credit Hours.
Prerequisite: KIN 2303 or HTH 2413. A detailed study of anatomy and physiology of the human cardiorespiratory, musculoskeletal and nervous systems. Emphasis will be placed on the anatomical factors that cause human movement and application to common exercise-related injuries. Anatomy laboratory hours may be required. Generally offered: Fall, Spring, Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 3321. Biomechanics Laboratory. (1-1) 1 Credit Hour.
Prerequisite: KIN 3313 or BIO 2053 and concurrent enrollment in KIN 3323. Quantitative and qualitative evaluation of human movement through analysis of video and biomechanical data. Application of Biomechanics to sports performance enhancement and injury prevention. This lab will complement the content covered in KIN 3323. Course Fees: KSM1 $10; LRHC $10; STHC $6.

KIN 3323. Biomechanics. (3-0) 3 Credit Hours.
Prerequisite: KIN 3313 or BIO 2053. The study of the human body in sports motion and sport objects in motion. The application of mechanical principles, kinematics, and kinetics. Biomechanics laboratory hours are required. Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; STHC $18.

KIN 3413. Instruction of Sports Activities and Games. (3-0) 3 Credit Hours.
Development, organization, and delivery of appropriate physical activities for children through the adolescent stage. Some fieldwork observation experiences may be required. Generally offered: Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $18.

KIN 3431. Exercise Physiology Laboratory. (1-1) 1 Credit Hour.
Prerequisite: KIN 3313 or BIO 2053 and BIO 2063) and concurrent enrollment in KIN 3433. Laboratory exercises demonstrating principles of exercise physiology. Topics include metabolic, cardiorespiratory, and neuromuscular responses to physical activity and exercise. Course Fees: KSM1 $10; LRHC $10; STHC $6.

KIN 3433. Exercise Physiology. (3-0) 3 Credit Hours.
Prerequisite: KIN 3313 or BIO 2053 and BIO 2063. A study of the adaptation and effects of the body to physiological stress. Emphasis will be placed on the physiology of training, metabolism and work capacity, and electrocardiography. Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; STHC $18.

KIN 3441. Health Related Fitness Assessment Laboratory. (0-2) 1 Credit Hour.
Prerequisite: KIN 3313 and concurrent enrollment in KIN 3443. This course includes laboratory and clinical measurements of aerobic capacity, body composition, electrocardiography, flexibility, muscular endurance, muscular strength, and pulmonary function. Students are required to demonstrate competence in administering health related physical fitness. (Formerly titled "Graded Exercise Testing and Fitness Assessment Laboratory." Course Fees: KSM1 $10; LRHC $10; STHC $6.

KIN 3443. Health Related Fitness Assessment. (3-0) 3 Credit Hours.
Prerequisites: KIN 3433 and concurrent enrollment in KIN 3443. A study of the principles and concepts of fitness measurement. Topics include graded exercise testing, electrocardiography, assessment of aerobic capacity, body composition, flexibility, muscular strength, muscular endurance, and pulmonary function. (Formerly titled "Graded Exercise Testing and Fitness Assessment") Generally offered: Fall, Spring. Course Fees: LRHC $10; STHC $18.

KIN 3453. Exercise Prescription. (3-1) 3 Credit Hours.
Prerequisites: KIN 3071 and KIN 3433. A study and application of principles and concepts related to designing exercise programs. The target population includes apparently healthy adults and individuals with special considerations, including cardiovascular disease, pulmonary disease, obesity, diabetes, pregnancy, and children. Generally offered: Fall, Spring. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 3463. Musculoskeletal Anatomy. (3-1) 3 Credit Hours.
Prerequisite: KIN 3313 or BIO 2053. A detailed examination of the nervous, muscular, and skeletal systems. This course focuses on bones, bone markings, articulations, origins, insertions, actions, and innervations of these systems. The etiology and pathophysiology of common sport and exercise related injuries to the musculoskeletal will be introduced. Laboratory examination of the skeletal system may be required. Course Fees: KSM1 $10; LRHC $10; STHC $18.
KIN 4023. Exercise Psychology. (3-0) 3 Credit Hours.
Prerequisite: KIN 2303. An investigation of psychological processes and behaviors related to participation in exercise and physical activities. Psychological effects of exercise, motives for fitness, exercise adherence, and fitness counseling. Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; STHC $18.

KIN 4043. Therapeutic Modalities. (3-0) 3 Credit Hours.
Prerequisites: KIN 3303, KIN 3463, KIN 4143, and admission to the Athletic Training concentration or Kinesiology and Health Science concentration. This course is designed to introduce students to a variety of therapeutic modalities currently used in clinical rehabilitation. Students will learn the theoretical basis and application procedures for a variety of modalities including therapeutic heat and cold, electrotherapy, therapeutic massage, ultrasound, and laser/light therapy. Generally offered: Fall, Spring. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4113. Evaluation. (3-0) 3 Credit Hours.
Application of test, measurement, and evaluation theory. Emphasis is on proper selection and administration of tests, appropriate evaluation of test results using basic statistical procedures, and assignment of grades. Field experience required. Generally offered: Fall, Spring. Course Fees: DL01 $75; LRHC $10; PAG1 $20; STHC $18.

KIN 4123. Introduction to Sport Psychology. (3-0) 3 Credit Hours.
Prerequisite: KIN 2303. This course involves an in-depth study of the psychological factors that underlie and support human behavior and performance, particularly as it relates to sports. This course introduces contemporary and practical theories regarding mental processes and applicable uses for this information. (Formerly titled "Psychosocial Aspects of Exercise and Sport"). Generally offered: Fall, Spring. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4143. Evaluation of Athletic Injuries. (3-0) 3 Credit Hours.
Prerequisites: KIN 3303 and KIN 3463, and admission to the Athletic Training concentration or Kinesiology and Health Science concentration. This course deals in depth with issues related to athletic training, including assessment of injuries, and proper taping and wrapping techniques. (Formerly titled "Advanced Athletic Training"). Generally offered: Fall, Spring, Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4203. Teaching Secondary Physical Education. (3-1) 3 Credit Hours.
Prerequisites: KIN 4433, KIN 4423, and admission to the Teacher Certification Program. Examination of current trends, issues, and pedagogical approaches to the teaching and learning of physical education in the secondary school curriculum. Contemporary programming, behavior management strategies, and community outreach activities will be emphasized. Weekly fieldwork in the public schools at the secondary school level is required. Restricted course; advisor code required for registration. (Same as CI 4273. Credit cannot be earned for both KIN 4303 and CI 4273.) Generally offered: Fall, Spring. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4243. Musculoskeletal Rehabilitation. (3-1) 3 Credit Hours.
Prerequisites: KIN 3303, KIN 3463, KIN 4143, and admission to the Athletic Training concentration or Kinesiology and Health Science concentration. This course examines various therapeutic exercises and programs used in the treatment and rehabilitation of exercise-related injuries. Generally offered: Fall, Spring, Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4253. Exercise Nutrition. (3-0) 3 Credit Hours.
Prerequisite: KIN 3303. This course will address the basic concepts of nutrition from a scientific basis, applying these concepts to understanding of food nutritional labeling, dietary recommendations for health and fitness, as well as exercise or sport performance enhancement. Generally offered: Fall, Spring, Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4263. Clinical Exercise Physiology. (3-1) 3 Credit Hours.
Prerequisites: KIN 3441, KIN 3443, and KIN 4353. This course will examine the essential knowledge, skills, and abilities necessary for exercise physiology practiced in clinical settings. Topics will include diseases of the cardiovascular, pulmonary, and metabolic systems. Skills in administering graded exercise testing with ECG monitoring, pulmonary function testing, and screening for metabolic disease will be emphasized in laboratory settings. Additionally, exercise prescription and programming will be studied for persons with chronic disease. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4303. Teaching Elementary Physical Education. (3-1) 3 Credit Hours.
Prerequisites: KIN 4343, KIN 4423, and admission to the Teacher Certification Program. Examination of current trends, issues, and pedagogical approaches to teaching and facilitating learning of physical education in the elementary school curriculum. Contemporary programming, problem solving, and community outreach activities will be emphasized. Weekly fieldwork in the public schools at the elementary school level is required. Restricted course; advisor code required for registration. (Same as EI 4273. Credit cannot be earned for both KIN 4303 and EI 4273.) Generally offered: Fall, Spring. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4343. Fundamental Motor Skills. (3-0) 3 Credit Hours.
Prerequisite: KIN 3413. Provide instruction in facilitating motor skills, which provide the basis for all movement capacities and their application in specialized activities geared to the early childhood through adolescent stages. Generally offered: Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $18.

KIN 4401. Motor Learning Laboratory. (1-1) 1 Credit Hour.
Prerequisite: KIN 3313 or BIO 2053 and concurrent enrollment in KIN 4403. Laboratory exercises demonstrating the principles of motor learning and motor control. This lab will complement KIN 4403. Course Fees: KSM1 $10; LRHC $10; STHC $6.

KIN 4403. Motor Learning. (3-0) 3 Credit Hours.
Prerequisite: KIN 3313 or BIO 2053. Functional applications of motor control and learning theory in skill instruction and sports performance. Motor learning laboratory hours are required. Generally offered: Fall, Spring, Summer. Course Fees: DL01 $75; LRHC $10; STHC $18.

KIN 4413. Coaching Athletics. (2-2) 3 Credit Hours.
Theory of coaching relevant to athletics. Emphasis on organization and content involved in coaching sports. The sport content may vary in different semesters between baseball, basketball, football, soccer, softball, and volleyball. Course may be repeated for credit. Generally offered: Fall, Spring. Course Fees: LRHC $10; PAG1 $20; STHC $18.
KIN 4423. Developmental/Adapted Physical Activity. (3-1) 3 Credit Hours. Prerequisites: KIN 3103 or consent of instructor. A developmental and functional approach to the study of disabilities in physical activity. Legislation, pathologies, and adaptation principles. Field experience is required throughout the course. Generally offered: Fall, Spring. Course Fees: DL01 $75; LRHC $10; PAG1 $20; STHC $18.

KIN 4911. Independent Study. (0-0) 1 Credit Hour. Prerequisites: Permission in writing (form available) from the instructor, the student’s advisor, the Department Chair, and the Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor’s degree. Course Fee: STHC $6.

KIN 4912. Independent Study. (0-0) 2 Credit Hours. Prerequisites: Permission in writing (form available) from the instructor, the student’s advisor, the Department Chair, and the Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor’s degree. Course Fee: STHC $12.

KIN 4913. Independent Study. (0-0) 3 Credit Hours. Prerequisites: Permission in writing (form available) from the instructor, the student’s advisor, the Department Chair, and the Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor’s degree. Generally offered: Fall, Spring. Course Fee: STHC $18.

KIN 4931. Clinical Applications of Athletic Injuries. (1-2) 1 Credit Hour. Prerequisites: Consent of instructor and admission to the Athletic Training concentration. This course provides practical applications in prevention, diagnosis, treatment, and rehabilitation of athletic injuries, and includes a minimum of 150 hours of supervised field and clinical experiences in athletic training. May be repeated for credit for a maximum of 6 semester credit hours. Course Fees: LRHC $10; STHC $18.

KIN 4933. Practicum in Kinesiology Research. (0-0) 3 Credit Hours. Prerequisites: Admission to Kinesiology major and consent of instructor. This course provides supervised research experience in various areas of kinesiology. May be repeated for credit, but not more than 6 semester credit hours will apply to a bachelor’s degree. The 6 semester credit hours of this course can be used to substitute for KIN 4936. (Credit cannot be earned for both KIN 4936 and KIN 4933.) Generally offered: Fall, Spring, Summer. Course Fees: LRHC $10; STHC $18.

KIN 4936. Internship in Kinesiology. (0-0) 6 Credit Hours. Prerequisites: Student is required to have a cumulative grade point average of 2.5 or greater and must be within 13 semester credit hours of graduation (including the 6 hours of the internship), and attend the mandatory new candidate meeting the semester prior to completing the internship to register for this course. Supervised internship with appropriate agency in the field of kinesiology. Student must complete this course during the last semester before graduation. No more than 6 semester credit hours of internship will apply to a bachelor’s degree. (Credit cannot be earned for both KIN 4936 and HTH 4936.) Generally offered: Fall, Spring, Summer. Course Fees: STFK $57; STHC $36.

KIN 4943. Athletic Coaching Practicum. (0-0) 3 Credit Hours. Prerequisites: First Aid and CPR certification and consent of instructor. Supervised coaching practicum with appropriate agency in the field of kinesiology. May be repeated for credit for a maximum of 6 semester credit hours. (Formerly titled “Practicum in Kinesiology”) Generally offered: Spring. Course Fees: LRHC $10; STHC $18.

KIN 4953. Special Studies. (3-0) 3 Credit Hours. Organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when topics vary, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor’s degree. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4973. Wellness Counseling. (3-0) 3 Credit Hours. Prerequisites: KIN 3443 and KIN 4253. Students will learn and apply counseling techniques to promote the adoption of health-promoting lifestyle behaviors in diverse populations. Basic counseling theories will be introduced. Generally offered: Fall, Spring. Course Fees: LRHC $10; STHC $18.

KIN 4983. Applied Exercise Science. (3-1) 3 Credit Hours. Prerequisites: KIN 3233, KIN 3443, KIN 3453, and KIN 4253. Capstone course and seminar for students pursuing training and certification in exercise science, and preparation for graduate studies. Generally offered: Fall, Spring, Summer. Course Fees: KSM1 $10; LRHC $10; STHC $18.

KIN 4993. Honors Thesis. (0-0) 3 Credit Hours. Prerequisites: Enrollment limited to candidates for honors in the Department of Health and Kinesiology during the last two semesters; consent of the Honors College. Supervised research and preparation of an honors thesis. May be repeated once for credit with advisor’s approval. Course Fee: STHC $18.