Rice's Kinesiology department was one of the first in the nation to institute an academic program structure that allows students to concentrate their efforts in a specific sub-discipline. Within the Kinesiology major, there are two distinct major concentrations: Health Sciences and Sports Medicine.

**Major in Kinesiology and a Major Concentration in Health Sciences**

The goal of the health sciences program is to provide students with a fundamental background in health promotion and disease prevention. This background will enable them to understand the role that health promotion plays in society and the mechanisms that affect public and community health while also considering the complexities of maintaining an optimal level of personal health. The health science program is viewed as an excellent option for undergraduate students who are preparing to enter graduate school in public health, health promotion, and health education, as well as other health-related graduate or professional programs such as medicine or dentistry.

**Major in Kinesiology and a Major Concentration in Sports Medicine**

The sports medicine curriculum intends to provide a strong natural science foundation and interface this foundation with application to the human body. Prerequisite courses in chemistry and physics, elective courses in biology and biochemistry, as well as an array of required and elective courses offered within the department provide this foundation. The sports medicine program is the only academic specialization on campus that provides detailed exposure to human anatomy and human physiology. In addition, students receive coursework in foundations of Kinesiology, research methods, motor learning, statistics, exercise physiology, and sports medicine. Practical experience is afforded through several academic labs. Other elective courses include epidemiology, case studies in human performance, motor control, advanced exercise physiology and preventive medicine, sports nutrition, medical terminology, and muscle physiology and plasticity. During advising sessions, students are encouraged to select from these electives according to their respective career goals. Students in the sports medicine program are expected to develop a strong scientific knowledge.

Students who choose the sports medicine program typically continue their education at the graduate level or plan on attending medical school or other medically related professional schools, such as physical therapy. Graduates also may be directly employed in medical and corporate settings, which include both preventative and rehabilitative programs.
Emergency Med Studies/Practice (EMSP)

EMSP 281 - EMT-B: Introduction to Emergency Care
- Short Title: EMT-B Intro to Emergency Care
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Lecture/Laboratory
- Distribution Group: Distribution Group III
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: This course is a state-sanctioned EMT-B Certification course which includes practical and didactic exploration into pre-hospital care. This class culminates with a national certification to practice pre-hospital care on the EMT-B level. This course will discuss anatomy, body systems, and the biochemical basis of emergency intervention in addition to practical application of EMT-B skills. Formerly HEAL 308 and BIOS 281 and NSCI 281. Instructor Permission Required.

EMSP 282 - Advanced EMT
- Short Title: Advanced EMT
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Lecture/Laboratory
- Distribution Group: Distribution Group III
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: Continuation of EMSP 281, Emergency Care. Formerly BIOS 282, HEAL 310, and NSCI 282. Instructor Permission Required.

EMSP 375 - EMS Incharge Leadership Course
- Short Title: EMS Incharge Leadership Course
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Independent Study
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: Preparation to hold leadership positions in EMS will expand their competency in emergency services, including emergency management and incident response, in addition to improving patient care and leadership skills. Participants will achieve certification in national emergency services courses, and will work as a team to manage a major event. Formerly UNIV 275. Instructor Permission Required.

EMSP 491 - Emergency Medical Services Research Course
- Short Title: EMS Research Course
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Research
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: EMSP 491 is an independent program of study for students interested in research in prehospital medicine. All students will complete a research project under the supervision of a physician faculty member from Baylor College of Medicine. Projects may vary based on each student's interest and faculty projects. Formerly NSCI 491. Instructor Permission Required. Repeatable for Credit.

EMSP 492 - Emergency Medical Services Research Course
- Short Title: EMS Research Course
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Research
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: EMSP 492 is an independent program of study for students interested in research in prehospital medicine. All students will complete a research project under the supervision of a physician faculty member from Baylor College of Medicine. Projects may vary based on each student's interest and faculty projects. Formerly NSCI 492. Instructor Permission Required. Repeatable for Credit.

EMSP 499 - EMT Teaching Practicum
- Short Title: EMT Teaching Practicum
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Internship/Practicum
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: This course is open to an undergraduate student who serves as an instructor for the Emergency Medical Technician course. As an instructor, he/she would need to participate in course planning, course assignments, and student evaluation. They would also be expected to present course material through preparing and delivering lectures, presentations, and practical skills instructions. Grade would be assigned based on student self-evaluation, class evaluation, and primary instructor assessment. Formerly NSCI 289. Instructor Permission Required. Repeatable for Credit.

Health Sciences (HEAL)

HEAL 103 - Nutrition
- Short Title: Nutrition
- Department: Kinesiology
- Grade Mode: Standard Letter
- Course Type: Lecture
- Credit Hours: 3
- Restrictions: Graduate level students may not enroll.
- Description: Concepts underlying the science of nutrition: food composition, calories and needs for energy, special nutrients, and nutritional deficiencies.
HEAL 119 - INTRODUCTION TO HEALTH AND WELLNESS
Short Title: INTRO TO HEALTH & WELLNESS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment limited to students with a class of Freshman. Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: Designed to help students develop a greater understanding and appreciation of health and well being, as it relates to themselves and others around them, and for students to apply health and wellness knowledge in their personal life to improve their health.

HEAL 132 - MEDICAL TERMINOLOGY
Short Title: MEDICAL TERMINOLOGY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: This course introduces the student interested in medical and health professions to a large vocabulary of medical language which develops skills in understanding and remembering new words. It describes word origins, basic terms in anatomy and terms pertaining to each body system as well as pharmacology and medical equipment, and many frequently used medical terms, abbreviations and symbols.

HEAL 208 - CHEMICAL ALTERATIONS OF BEHAVIOR
Short Title: CHEM ALTERATIONS OF BEHAVIOR
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: Examination of social, cultural psychological, physiological causes and effects of drug use and abuse. Individual, family, and community factors related to prevention and treatment will be addressed.

HEAL 212 - CONSUMER HEALTH AND THE MEDIA
Short Title: CONSUMER HEALTH AND THE MEDIA
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: Study of factual information and guidelines that enable consumers to act intelligently in selecting health products and services, with emphasis on the economic aspects of health.

HEAL 222 - PRINCIPLES OF PUBLIC AND COMMUNITY HEALTH
Short Title: PRIN PUBLIC&COMMHEALTH
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: Principles of Public & Community Health examines aspects of the community that relate to health including health issues within community subgroups; identification and analysis of community health programs; organizational patterns and functions of voluntary and governmental health agencies and coordination of community health programs.

HEAL 306 - HUMAN SEXUALITY
Short Title: HUMAN SEXUALITY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Designed to explore the physiological, psychological, and sociological parameters of human sexuality, while providing accurate information and helping students develop healthy attitudes toward sexuality. Cross-list: SWGS 306.

HEAL 313 - FOUNDATIONS OF HEALTH PROMOTION AND EDUCATION
Short Title: FOUNDATIONS HEALTH PROMO&EDUC
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to students with a major in Kinesiology. Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Foundations of Health Promotion/Health Education is designed to introduce students to the discipline of health education and the practice of health promotion. The course explores critical issues in the field of health promotion, accountability and professional preparation, professional ethics, credentialing and the changing technology in the field. Intended for Health Science majors only.

HEAL 350 - UNDERSTANDING CANCER
Short Title: UNDERSTANDING CANCER
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Examination of cancer from a biological, psychological and sociological perspective with emphasis on cancer epidemiology, prevention, and early detection.
HEAL 360 - VIOLENCE IN AMERICA: A PUBLIC HEALTH PERSPECTIVE  
Short Title: VIOLENCE IN AMERICA  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Seminar  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: This course explores the aspects of race and ethnicity that influence health, public health policy, and the management and practice of healthcare, as well as, the trends which drive ethnic demographic transition including an aging white population, declining white birth rate, immigration of non-whites, and the higher birth rate of minority groups. Graduate/Undergraduate Equivalency: HEAL 580. Mutually Exclusive: Credit cannot be earned for HEAL 380 and HEAL 580.  

HEAL 379 - INTERNSHIP IN HEALTH SCIENCES  
Short Title: INTERNSHIP IN HEALTH SCIENCES  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Internship/Practicum  
Credit Hours: 1-3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Internship experience for upper-level health sciences majors only. Department Permission Required. Repeatable for Credit.  

HEAL 380 - DISPARITIES IN HEALTH IN AMERICA  
Short Title: DISPARITIES IN HEALTH IN AMER  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: This course explores the aspects of race and ethnicity that influence health, public health policy, and the management and practice of healthcare, as well as, the trends which drive ethnic demographic transition including an aging white population, declining white birth rate, immigration of non-whites, and the higher birth rate of minority groups. Graduate/Undergraduate Equivalency: HEAL 580. Mutually Exclusive: Credit cannot be earned for HEAL 380 and HEAL 580.  

HEAL 407 - EPIDEMIOLOGY  
Short Title: EPIDEMIOLOGY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Study of communicable, noncommunicable, and behavioral diseases with emphasis on the disease process and basic epidemiologic methods. Graduate/Undergraduate Equivalency: HEAL 507. Mutually Exclusive: Credit cannot be earned for HEAL 407 and HEAL 507.  

HEAL 422 - THEORIES AND MODELS OF HEALTH BEHAVIOR  
Short Title: THEORY&MODELS HLTH BEHAVIOR  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Seminar  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): HEAL 222  
Description: Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate/Undergraduate Equivalency: HEAL 522. Mutually Exclusive: Credit cannot be earned for HEAL 422 and HEAL 522.  

HEAL 460 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION  
Short Title: PLAN/EVAL: HEALTH PROGRAMS  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Enrollment limited to students with a class of Junior or Senior. Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): HEAL 222  
Description: Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate/Undergraduate Equivalency: HEAL 560. Mutually Exclusive: Credit cannot be earned for HEAL 460 and HEAL 560.  

HEAL 495 - INDEPENDENT STUDIES IN HEALTH SCIENCES  
Short Title: INDEPENDENT STUDIES  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Independent Study  
Credit Hours: 1-3  
Restrictions: Enrollment limited to students with a class of Junior or Senior. Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Independent study or directed reading on an approved project under faculty supervision. Department Permission Required. Repeatable for Credit.  

HEAL 496 - INDEPENDENT STUDIES IN HEALTH SCIENCES  
Short Title: INDEPENDENT STUDY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Independent Study  
Credit Hours: 1-3  
Restrictions: Enrollment limited to students with a class of Junior or Senior. Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Independent study or directed reading on an approved project under faculty supervision. Instructor Permission Required. Repeatable for Credit.
HEAL 522 - THEORIES AND MODELS OF HEALTH BEHAVIOR
Short Title: THEORY&MODELS HLTH BEHAVIOR
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 422. Mutually Exclusive: Credit cannot be earned for HEAL 522 and HEAL 422.

HEAL 560 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION
Short Title: PLAN/EVAL: HEALTH PROGRAMS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 460. Mutually Exclusive: Credit cannot be earned for HEAL 560 and HEAL 460.

HEAL 580 - DISPARITIES IN HEALTH IN AMERICA
Short Title: DISPARITIES IN HEALTH IN AMER
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: This course explores the aspects of race and ethnicity that influence health, public health policy, and the management and practice of healthcare, as well as, the trends which drive ethnic demographic transition including an aging white population, declining white birth rate, immigration of non-whites, and the higher birth rate of minority groups. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 380. Mutually Exclusive: Credit cannot be earned for HEAL 580 and HEAL 380.

Kinesiology (KINE)

KINE 120 - SCIENTIFIC FOUNDATIONS OF KINESIOLOGY
Short Title: FOUNDATIONS OF KINESIOLOGY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment limited to students with a class of Freshman. Graduate level students may not enroll.
Course Level: Undergraduate Lower-Level
Description: An introduction to studies in the areas of human movement: anatomy and physiology, exercise physiology, biomechanics, motor learning and control, and psychological aspects of sport and exercise.

KINE 300 - HUMAN ANATOMY
Short Title: HUMAN ANATOMY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Introduction to human anatomy including concepts of function.
KINE 301 - HUMAN PHYSIOLOGY  
Short Title: HUMAN PHYSIOLOGY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Distribution Group: Distribution Group III  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: This course will address the fundamental principles of human physiology at the cell, tissue, organ, organ system, and organism levels. Emphasis will be placed on mechanisms of function and homeostasis as achieved through the coordinated function of homeostatic control systems.

KINE 302 - BIOMECHANICS  
Short Title: BIOMECHANICS  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): KINE 300  
Description: An introduction to the discipline of mechanics as it applies to biological systems. Primary emphasis is placed on humans and other vertebrate species. Topics covered include the kinematics and kinetics of movement, material and functional properties of musculoskeletal tissues and the integration of musculoskeletal function from molecules and cells to whole animals. Recommended prerequisite(s): KINE 321.

KINE 310 - PSYCHOLOGICAL ASPECTS OF SPORT AND EXERCISE  
Short Title: PSYC OF SPORT & EXERCISE  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): KINE 300  
Description: Examine the psychological foundations that underlie sport and exercise participation. Recommended Prerequisite(s): PSYC 101.

KINE 311 - MOTOR LEARNING  
Short Title: MOTOR LEARNING  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Designed to provide a basic understanding of the theories related to skill acquisition, development, and movement. Learners develop an understanding of the cognitive, behavioral, and neurological concepts needed to become skilled at movements. The course will also incorporate laboratory experiences in the physiological, neurological, and psychological factors of human movement.

KINE 319 - STATISTICS FOR THE HEALTH PROFESSIONAL  
Short Title: STATS FOR HEALTH PROFESSIONAL  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: Topics include displaying and describing data, the normal curve, regression, statistical inference including parametric and non-parametric analyses, and hypothesis testing. Students also have the opportunity to analyze data using SPSS and Excel software.

KINE 321 - EXERCISE PHYSIOLOGY  
Short Title: EXERCISE PHYSIOLOGY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): KINE 300 and KINE 301  
Corequisite: KINE 323  
Description: This course examines the acute and chronic effects of exercise on physiological functions. Topics include nutrition, energy transfer, fatigue, metabolism, disease, aging, preventative medicine, genetics, elite performance, ergogenic aids, exercise testing, and specificity of training. Must register for co-req course KINE 323 also.

KINE 323 - EXERCISE PHYSIOLOGY LABORATORY  
Short Title: EXERCISE PHYSIOLOGY LABORATORY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Laboratory  
Credit Hour: 1  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Prerequisite(s): KINE 300 and KINE 301  
Corequisite: KINE 321  
Description: This course introduces the concepts and assessment techniques used to quantify physiological function. Laboratory experiences will require students to acquire and apply knowledge of systems physiology to make direct functional assessments using themselves as subjects. A major emphasis will be placed on metabolism and energy transfer in the body. Cardiovascular, musculoskeletal, and central nervous system function will also be covered. Individual body composition, musculoskeletal levers, metabolic power and fitness, and neuromuscular control and coordination. Must register for co-req course KINE 321 also.

KINE 326 - EXERCISE EPIDEMIOLOGY  
Short Title: EXERCISE EPIDEMIOLOGY  
Department: Kinesiology  
Grade Mode: Standard Letter  
Course Type: Lecture  
Credit Hours: 3  
Restrictions: Graduate level students may not enroll.  
Course Level: Undergraduate Upper-Level  
Description: This course provides an epidemiological foundation to exercise and physical activity research related to public health. The course is designed to present evidence of the positive effects of physical activity and exercise in preventing disease, disability, and increasing quality of life. Recommended Prerequisite(s): KINE 321 or KINE 323.
KINE 351 - HUMAN ANATOMY LAB
Short Title: HUMAN ANATOMY LAB
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Laboratory
Credit Hour: 1
Restrictions: Enrollment is limited to students with a major in Kinesiology. Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Prerequisite(s): KINE 300
Description: Study of the pro-sections and cadavers are used for learning and understanding human anatomy in a gross anatomy examination laboratory at BCM in the Texas Medical Center. Hands-on examination of human anatomy in this course provides supplemental practical experience for lectures in KINE 300, Human Anatomy courses.

KINE 412 - MOTOR CONTROL
Short Title: MOTOR CONTROL
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Prerequisite(s): KINE 311 and KINE 325
Description: Exploration of the neurophysiological, behavioral, and biomechanical aspects of human movement and development.

KINE 421 - ADVANCED TOPICS IN EXERCISE PHYSIOLOGY AND PREVENTIVE MEDICINE
Short Title: ADV TOPICS IN EX PHY & MED
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Prerequisite(s): KINE 321 and KINE 323
Description: This course is a seminar style course that examines acute and chronic effects of exercise stimuli on physiological adaptation as relevant to health, disease and human performance. Topics will vary depending on current issues in exercise physiology. Examples include metabolism, fatigue, diabetes, genetics, muscular dystrophy, orthopedics, cancer and cardiovascular disease. The course is intended for those with a background in biology and/or physiology and interest in exercise and health.

KINE 410 - CASE STUDIES IN HUMAN PERFORMANCE
Short Title: CASE STUDIES HUMAN PERFORMANCE
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Research
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: An advanced, multidisciplinary consideration of how humans perform. Class work will center around problem solving using a case study methodology.
KINE 490 - SEMINAR IN SPORTS MEDICINE
Short Title: SEMINAR IN SPORTS MEDICINE
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Considers issues related to athletic injury including mechanisms, assessment, management, and rehabilitation.

KINE 495 - INDEPENDENT STUDY IN SPORTS MEDICINE
Short Title: INDEPENDENT STUDY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Independent Study
Credit Hours: 1-3
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major in Kinesiology. Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: To provide the student with research opportunity to gain or enhance knowledge in the sports medicine area or to explore an area of interest related to research in sports medicine. Department Permission Required. Recommended Prerequisite(s): KINE 319 and KINE 440. Repeatable for Credit.

KINE 496 - INDEPENDENT STUDY IN SPORTS MEDICINE
Short Title: INDEPENDENT STUDY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Independent Study
Credit Hours: 1-3
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major in Kinesiology. Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: To provide the student with research opportunity to gain or enhance knowledge in the sports medicine area or to explore an area of interest related to research in sports medicine. Department Permission Required. Recommended Prerequisite(s): KINE 319 and KINE 440. Repeatable for Credit.

KINE 498 - SPECIAL TOPICS IN SPORTS MEDICINE
Short Title: SPECIAL TOPICS IN SPORTS MED
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1-3
Restrictions: Enrollment limited to students with a class of Junior or Senior. Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Prerequisite(s): KINE 300
Description: Course will address management of common sports injury to return to play. Students will learn how to identify common athletic injuries including mechanism of injury, signs and symptoms, treatment, evaluation of involved body region, and return to play decision making criteria. Fall 2015 topic: Management, Evaluation and Treatment of Sports Injuries. Recommended Prerequisite(s): KINE 321 or KINE 323. Repeatable for Credit.

KINE 499 - TEACHING PRACTICUM IN SPORTS MEDICINE
Short Title: TEACHING PRACTICUM
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Internship/Practicum
Credit Hours: 1-3
Restrictions: Graduate level students may not enroll.
Course Level: Undergraduate Upper-Level
Description: Advanced teaching experience for upper level students who have demonstrated particular aptitude and interest in one area of kinesiology. Students will assist in conducting a course in which they have previously excelled. The student will learn techniques in course management, instruction, and evaluation. Department Permission Required. Recommended prerequisite(s): Junior or senior standing, declared major in Kinesiology, and at least an "A-" in the course serving as the practicum. Repeatable for Credit.

Descriptions and Codes Legend
Note: Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference:

Course Catalog/Schedule
• Course offerings/subject code for Kinesiology: KINE
• Course offerings/subject code for Emergency Medical Services/Practice: EMSP
• Course offerings/subject code for Health Sciences: HEAL

Department Description and Code
• Kinesiology: KINE

Undergraduate Degree Description Code
• Bachelor of Arts degree: BA

Undergraduate Major Description and Code
• Major in Kinesiology: KINE

Undergraduate Major Concentration Descriptions and Codes
• Major Concentration in Health Sciences: KHSC
• Major Concentration in Sports Medicine: KSPM