



Department of
Kinesiology

400 Level Courses

**Department of Kinesiology, California State University,
Northridge**

KIN 401 - Concepts of Physical Education - (2 Units)

Prerequisite: KIN 305. Examination of the sources, nature, and role of such concepts as values, purposes, and principles found in professional thought and practice.

KIN 402 - Computer Applications in Kinesiology - (2 Units)

Prerequisite: KIN 302 or equivalent. Corequisite: KIN 402L. Significance of the computer in Kinesiology. Examination and analysis of various types of software written for exercise science, physical education and athletics. Application of computer uses for skill and fitness testing in both laboratory and school settings. With 402L, satisfies the computer literacy requirement for the clear credential.

KIN 402L - Computer Applications in Kinesiology Laboratory - (1 Unit)

Prerequisite: KIN 302 or equivalent. Corequisite: KIN 402. Practical application of microcomputer programs in Kinesiology. With 402, satisfies the computer literacy requirement for the clear credential.

KIN 403 - Measurement and Evaluation Laboratory - (1 Unit)

Prerequisite: KIN 302. Application of measurement techniques for exercise sports, games and dance. (Formerly 302L)

KIN 404 - Problems of School Athletics - (2 Units)

Prerequisite: Advanced Senior or Graduate standing. Investigation of current problems and trends in the conducting of interscholastic athletics. Examination of principles, policies, and procedures of competitive athletics.

KIN 407 - Sport, Culture and Society - (3 Units)

Prerequisite: KIN 306. A study of the role, meaning, and use of American sports from colonial times to the present. An examination of the effects of forces which influence sports in this society and the status of international sports including the role of U.S. Factors affected sports at the international level and future directions.

KIN 408 - The Olympic Games - (3 Units)

Prerequisite: KIN 305. A study of sport through the perspective of the ancient and modern Olympic Games from a historical and philosophical point of view.

KIN 415 - Medical Aspects of Sport and Related Injuries - (3 Units)

Prerequisite: KIN 345 or equivalent. A review of selected medical aspects of sport taught by guest medical experts from community hospitals and private practice.

KIN 420 - Coaching Competitive Sports - (3 Units)

Prerequisite: Upper division standing. The psychological, sociological, philosophical perspectives of coaching as these relate to motivation, discipline and interpersonal relations in competitive sports programs.

KIN 426 - Choreography - (2 Units)

Prerequisites: KIN 236 and 316. A view of dance composition including: movement sources, rhythmic spatial, and dynamic techniques of organization; thematic development; dramatic intent. Composition of solo and small group dances.

KIN 427 - Dance Production - (3 Units)

Prerequisite: KIN 316. The study of techniques and materials in dance as applied to music analysis, and advanced individual and group choreography for performance.

KIN 428 - Aesthetics of Human Movement - (3 Units)

Examines historical and contemporary physical activity movement forms (such as sport, dance and exercise) and the human body as aesthetic expressions and culturally symbolic representations.

KIN 429 - Perceptual Motor Problems of the Atypical Child - (3 Units)

Prerequisite: KIN 329. A descriptive analysis of the characteristics of the atypical child, including diagnosis of motor retardation and principles of directed remedial learning procedures for rehabilitation. Observation and field practice included.

KIN 436 - Applied Exercise and Sports Physiology - (3 Units)

Prerequisites: KIN 346 and completion of lower division writing requirement. Physiological conditioning concepts, including the effects of acute and chronic bouts of exercise training, for the enhancement of health objectives and improvement of sports performance. Regular written assignments will be required.

KIN 437 - Prevention and Care of Athletic Injuries II - (3 Units)

Prerequisites: KIN 337, 345, 346, 347. Concurrent enrollment in KIN, 498AT1 or 2 for athletic training students. An advanced study in the prevention, recognition and care of athletic injuries. Emphasis will be placed on advanced evaluation, treatment and in particular reconditioning of injuries sustained by athletes. This is the capstone course for athletic training students.

KIN 445 - Quantitative Biomechanics - (3 Units)

Prerequisite: KIN 345 and Math 104 or equivalent. The evaluation and interpretation of motor skill performance on the basis of applied mechanics.

KIN 446 - Research in Exercise Physiology - (2 Units)

Prerequisite: KIN 346 or equivalent and current certification in American Heart Association basic cardiopulmonary resuscitation (C.P.R.). Concurrent enrollment required in KIN 446L (1 unit). A course designed to explore advanced theory of exercise physiology, as well as concepts and techniques of research.

KIN 446L - Research in Exercise Physiology Laboratory - (1 Unit)

Prerequisite: KIN 346 or equivalent and current certification in American Heart Association basic cardiopulmonary resuscitation (C.P.R.). Concurrent enrollment required in KIN 446. A laboratory experience designed to provide competency in the application of biomedical instrumentation to exercise physiology research.

KIN 447 - Implementation and Instruction of Adapted PE Programs - (3 Units)

Prerequisite: KIN 347. A study of the principles used in organizing, implementing, and instructing Adapted Physical Education programs.

KIN 448 - Program Management for the Physically Disabled - (2 Units)

Prerequisite: KIN 347. A study of the Adapted Physical Education classroom setting, including testing techniques and equipment procedures. Case studies and exercise prescriptions for severely physically disabled students will be examined. (To be taken concurrently with KIN 448 Lab.)

KIN 448L - Program Management for the Physically Disabled Lab - (1 Unit)

Prerequisite: Concurrent enrollment in KIN 448. Practical experience in program planning and development including the utilization of Special exercise and testing equipment for the physical improvement of the severely disabled. Includes oneonone assignment and complete case study.

KIN 449 - Physical Education for Physically Handicapped - (3 Units)

Prerequisite: KIN 347. A comprehensive study of the etiology of physically handicapping conditions including learning characteristics, planning for, and instruction in appropriate physical education experiences. Practicum experience.

KIN 456 - Adult Exercise Program Design - (3 Units)

Prerequisite: KIN 346. A review of field tests for determination of muscular strength and endurance, flexibility, body composition and aerobic endurance for normal adults. Study of the application of exercise guidelines for normal adults based upon the standards of the American Heart Association and the American College of Sports Medicine.

KIN 457 - Reconditioning of Athletic Injuries - (2 Units)

Prerequisites KIN 338 or 339 (admission into Athletic Training Program, consent of instructor; concurrent enrollment in KIN 457L. Planning and implementation of comprehensive reconditioning programs for injuries sustained by athletes. A lecture and demonstration format will be used to provide the student with learning experiences concerning topic areas such as physical agents and reconditioning exercise.

KIN 457L - Reconditioning of Athletic Injuries Lab - (1 Unit)

Prerequisite: Concurrent enrollment in KIN 457. Laboratory experiences designed to provide competency in the application of selected therapeutic agents and in the development of reconditioning programs.

KIN 466 - Clinical EKG and Exercise Stress Testing - (3 Units)

Prerequisite: KIN 446 and 446L. A course in electrocardiography that includes detailed evaluation of basic EKG arrhythmias and their relationship to exercise testing and training.

KIN 470 - Physical Education for Children - (2 Units)

Course focuses upon the growing/moving/learning elementary age child and upon purposes, content, procedures, materials, and equipment central to elementary school Physical Education. (Not available for credit for kinesiology majors.)

KIN 470L - Physical Education for Children Laboratory - (1 Unit)

Prerequisite: Concurrent enrollment in KIN 470. Observation and laboratory experience in elementary school Physical Education. (Not available for credit for kinesiology majors.)

KIN 471/L - Developmental Movement Programs for Children/Lab - (2/1 Units)

Prerequisites: KIN 325 and KIN 329. Content, methodology, materials and equipment central to the planning, implementation, and evaluation of developmental physical activity programs for children. Laboratory provides observation, active participation, and practical experiences in activity programs for children, with an emphasis on elementary school physical education. Not available for credit to students who have successfully completed KIN 470.

KIN 494 A,B,C - Academic Internship in Kinesiology - (1-3 Units)

Off campus study and research in selected areas of Physical Education with course content to be determined. Basis for grading limited to credit/no credit. (See subtitle in appropriate Schedule of Classes.) An Academic Internship course.

KIN 496A-Z - Selected Topics in Kinesiology - (1-3 Units)

Selected topics in Kinesiology with course content to be determined.

KIN 498A-X - Supervised Individual Projects - (1-3 Units)

Off campus study and research in selected areas of Kinesiology with course content to be determined. Basis for grading limited to credit/no credit.

KIN 498LS - Field Experience in PE for Elementary School Age Children - (2 Units)

Prerequisite: KIN 314 and either 470 or 471. A field experience course designed to give the prospective elementary school teacher an opportunity to develop understanding and skills in observing children's motor skill behavior and in evaluating a comprehensive elementary school physical education program. Students will be required to complete 45 hours of observation/participation in assigned schools. Regular class meetings will provide guidance and the opportunity to discuss the off-campus experiences. Available for credit/no credit only.

KIN 498T1 A,B,C - Clinical Experience in Athletic Training I - (1-3 Units)

Under supervision of the certified athletic trainer the student trainer is responsible for providing total athletic training care for an assigned team area. CR/NC only.

KIN 498T2 A,B,C - Clinical Experience in Athletic Training II - (1-3 Units)

Prerequisite: 498AT1 A,B,C Clinical Experience in Athletic Training I. Under the supervision of the certified athletic trainer the student trainer is assigned an area of major responsibility in the training room including, but not limited to, providing total athletic training care for an assigned team area. CR/NC only.

KIN 499 - Independent Study - (1-3 Units)
