KINESIOLOGY

Contact Information

Division
Kinesiology and Athletics

Dean
Roz Goldenberg (Interim)

Associate Dean
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Division Office
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Overview

The Kinesiology program offers a wide variety of courses that improve physical fitness, sport skills and dance performance abilities. The courses are designed to provide physiological results and wholesome social interchange. Lower division curricula for majors are dependent upon California university and out-of-state university requirements.

Faculty

Darci D. Brownell
Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.A., California State University, Sacramento
M.S., National University

Mary V. Conway
Professor, Athletics/Health Education/Kinesiology/Recreation Management
A.A., Packer Collegiate Institute
B.S., City University of New York, Brooklyn College
M.S., University of Illinois, Chicago

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Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.A., University of California, Davis
M.A., United States Sports Academy

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Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.A., California Lutheran University
M.A., Azusa Pacific University

John C. Fusano
Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.A., California State University, Sacramento
M.A., Saint Mary's College of California

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Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.S., California State University, Sacramento
M.S., California State University, Sacramento

Brandie Murrish
Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.S., California Lutheran University
M.S., California State University, Northridge
M.Ed., Grand Canyon University

Vera Nelson
Professor, Athletics/Health Education/Kinesiology/Recreation Management
B.A., California Polytechnic State University, San Luis Obispo
M.S., California State University, Sacramento

Ben S. Noonan
Professor, Athletics/Health Education/Kinesiology/Recreation Management
A.A. Santa Rosa Junior College
B.A., Bemidji State University
M.S., Texas A and M University-Kingsville

Robert B. Willson
Professor, Athletics/Health Education/Kinesiology/Recreation Management
A.A., Laney College
B.A., Sonoma State University
M.A., Saint Mary's College of California

Degrees/Certificates

Kinesiology for Transfer

AA-T Degree

Kinesiology involves the study of physical activity and its impact on health, society and quality of life. Students will create a balance between physical fitness, social well-being, health and academic success; distinguish principles of healthy weight management through exercise and nutrition; identify and practice the fundamental concepts of wellness and fitness; demonstrate essential motor skill patterns to fit a variety of activities and identify and practice high safety standards, support environmental needs and provide a positive experience for participants.

The Associate in Arts in Kinesiology for Transfer degree (AA-T) prepares students to transfer into the CSU system to complete a bachelor’s degree in Kinesiology, Physical Education, or a major deemed similar by a CSU campus. Students earning an associate degree for transfer and meeting the CSU minimum transfer admission requirements are guaranteed admission with junior standing within the CSU system. Students are also given priority admission consideration to their local CSU campus but not to a particular campus or major. Upon transfer, students will be required to complete no more than 60 additional prescribed units to earn a bachelor’s degree.

To earn the Associate in Arts in Kinesiology for Transfer degree, students must complete 60 CSU-transferable semester units with a minimum grade point average of 2.0, including both of the following:

• completion of all courses required for the major with grades of “C” or better; and
• completion of the California State University General Education Breadth (CSU GE) (http://catalog.sierracollege.edu/student-resources/general-education/california-state-university-general-education-breadth-requirements) pattern or the Intersegmental General Education Transfer Curriculum (IGETC) (http://catalog.sierracollege.edu/student-resources/general-education/
intersegmental-general-education-transfer-curriculum-igetc) pattern. (Students transferring to a CSU campus using IGETC must complete Area 1C Oral Communication to be eligible for admission.)

The exact wording of the law pertaining to associate degrees for transfer may be found in Education Code Section 66746.

It is highly recommended that, prior to transferring, students complete courses that satisfy the CSU United States History, Constitution and American Ideals graduation requirement. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

**RESTRICTION:** International coursework from non-United States regionally accredited institutions cannot be applied to associate degrees for transfer.

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>KIN 0081</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 0005</td>
<td>Human Anatomy (OR)</td>
<td>4-5</td>
</tr>
<tr>
<td>or BIOL 0007A &amp; BIOL 0007B</td>
<td>Human Anatomy I and Human Anatomy II</td>
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<tr>
<td>BIOL 0006</td>
<td>Human Physiology</td>
<td>5</td>
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Select a maximum of one course (minimum 1-unit each) from any three of the following areas:

**Aquatics:**
- KIN 0040 Aquacise
- KIN 0041 Fundamental Swimming
- KIN 0042 Swimming Conditioning

**Combatives:**
- KIN 0018 Peaceful Self Defense
- KIN 0019 Combative Self Defense
- KIN 0020 Multi Self Defense System
- KIN 0023 Tai Chi

**Dance:**
- KIN 0050A Ballet I
- KIN 0051 Jazz Dance
- KIN 0053 Modern Ballroom Dance
- KIN 0054 Modern Dance
- KIN 0055 Line Dance

**Fitness:**
- KIN 0003A Basic Aerobic Training with Fitness Equipment
- KIN 0003B Advanced Aerobic Circuit Training with Fitness Equipment
- KIN 0005A Weight Training
- KIN 0005B Strength Training - Circuit and Power Lifting
- KIN 0006 Physical Fitness
- KIN 0007 Aerobic Fitness
- KIN 0008 Step Aerobic Training
- KIN 0009 Cardio Kickboxing
- KIN 0062 Fundamentals of Yoga
- KIN 0069 Mat Pilates

**Individual Sports:**
- KIN 0026 Badminton
- KIN 0030 Golf

### Courses

Understanding course descriptions ([http://catalog.sierracollege.edu/student-resources/course-information/understanding-course-descriptions](http://catalog.sierracollege.edu/student-resources/course-information/understanding-course-descriptions))

#### KIN 0003A. Basic Aerobic Training with Fitness Equipment
**Units: 0.5-2**
Formerly known as PHED 0003A
Hours: 36 activity per unit
Designed to educate students in the areas of basic aerobic and cardiovascular fitness using fitness equipment as well as evaluate and improve present aerobic fitness level. (CSU, UC-with unit limitation)

#### KIN 0003B. Advanced Aerobic Circuit Training with Fitness Equipment
**Units: 0.5-2**
Formerly known as PHED 0003B
Advisory: Completion of KIN 0003A with grade of "C" or better
Hours: 36 activity per unit
Designed to educate students in the areas of aerobic circuit training as well as evaluate and improve present aerobic fitness level. (CSU, UC-with unit limitation)

#### KIN 0004. Cross Training
**Units: 2**
Formerly known as PHED 0087
Hours: 54 (18 lecture, 36 activity)
Daily physical fitness training utilizing aerobic and anaerobic training methods including: swim workouts, resistance training, stationary exercise equipment and running. (CSU, UC-with unit limitation)

#### KIN 0005A. Weight Training
**Units: 0.5-2**
Formerly known as PHED 0005A
Hours: 36 activity per unit
Progressive resistance exercises with free weights and weight machines to develop muscular strength and endurance. (CSU, UC-with unit limitation)

#### KIN 0005B. Strength Training - Circuit and Power Lifting
**Units: 0.5-2**
Formerly known as PHED 0005B
Hours: 36 activity per unit
Strength training exercises in progressive circuit and power lifting with free weights and weight machines. Designed to develop core strength, muscular strength and endurance. (CSU, UC-with unit limitation)
KIN 0006. Physical Fitness  
Units: 0.5-2  
Formerly known as PHED 0006  
Hours: 36 activity per unit  
Emphasis on life-long exercise principles using a variety of muscular strength and endurance, aerobics and flexibility workouts. Examines cardio-respiratory fitness, exercise principles, and how to design and evaluate fitness programs/workouts. Students experience different types of workouts and are encouraged to apply the information to their own body and level of conditioning. (CSU, UC-with unit limitation)

KIN 0007. Aerobic Fitness  
Units: 0.5-2  
Formerly known as PHED 0007  
Hours: 36 activity per unit  
Creative exercises to promote a wide range of flexibility, muscular strength and endurance, and cardiovascular endurance. Includes a choreographed warm-up, aerobic segment, floorwork, and warm-down utilizing a variety of calisthenic and dance techniques and skills. (CSU, UC-with unit limitation)

KIN 0008. Step Aerobic Training  
Units: 0.5-2  
Formerly known as PHED 0009  
Hours: 36 activity per unit  
An intense cardiovascular and muscular endurance workout utilizing an adjustable "step" for differing fitness levels choreographed to music to include: warm-up, cardiovascular step segment, floor work and flexibility warm-down. (CSU, UC-with unit limitation)

KIN 0009. Cardio Kickboxing  
Units: 0.5-2  
Formerly known as PHED 0013  
Hours: 36 activity per unit  
An intense cardiovascular and muscular endurance workout utilizing boxing, calisthenics, Tai Chi, and QiGong for differing fitness levels choreographed to music to include: warm-up, cardiovascular kickboxing segment, floor work, self-defense and cool down. (CSU, UC-with unit limitation)

KIN 0010. Fitness and Weight Management Boot Camp  
Units: 2-3  
Formerly known as PHED 0022  
Hours: 54 (18 lecture, 36 activity) 2 units; 72 (36 lecture, 36 activity) 3 units  
This course encourages a healthy attitude toward exercise, wellness and weight management. Topics include assessing and improving fitness levels, as well as nutrition, healthy living, and active lifestyle strategies that are involved in attaining and maintaining appropriate levels of wellness. Students with body mass indexes of 25 or over are best suited for this course because of the emphasis on weight management. (CSU, UC-with unit limitation)

KIN 0011. Instructional Methods for Group Fitness  
Units: 3  
Formerly known as PHED 0085  
Hours: 72 (36 lecture, 36 activity)  
Addresses methods of instruction in leading group exercise in health clubs, resorts, institutions, corporate programs or medically supervised exercise programs. Topics include movement choreography, communication and cueing, music selection and counting. Practical application of kinesiology and muscle physiology are used to design various music based class formats and other current group fitness trends. (CSU)

KIN 0012. Instructional Methods for Personal Trainers  
Units: 3  
Hours: 72 (36 lecture, 36 laboratory)  
Emphasizes the development of instructional skills based on learning modalities and pedagogical practices for individuals working as a personal trainer in the fitness industry. Activities focused on those used to develop muscular endurance, muscular strength, muscular hypertrophy, and flexibility using various equipment options. Practical application of exercise science principles in anatomy, physiology, kinesiology, and exercise physiology used for exercise instruction and program design. (CSU)

KIN 0018. Peaceful Self Defense  
Units: 0.5-2  
Formerly known as PHED 0069  
Hours: 36 activity per unit  
Introduction to fundamental principles, concepts, and theories of martial arts. Includes basic self defense, nonviolent self defense strategies, cardio conditioning, strength building exercises, flexibility training, nutrition, deep relaxation, and meditation with a focus on mind-body connection as it pertains to the art of physical combat. Benefits students of all skill levels. (CSU, UC-with unit limitation)

KIN 0019. Combative Self Defense  
Units: 1-2  
Formerly known as PHED 0066  
Hours: 36 activity per unit  
Hand-to-hand combat for self defense. Emphasis on disarming and immobilizing an assailant; includes martial arts such as Kenju Do. (CSU, UC-with unit limitation)

KIN 0020. Multi Self Defense System  
Units: 0.5-2  
Formerly known as PHED 0080  
Hours: 36 activity per unit  
A multi combat self defense system combining the martial arts of Escrima (stick and knife fighting), Jujitsu, and Kenpo. Focus on teaching application of principles leading to utilizing ordinary items to help defend oneself. Emphasis on strengthening the body and improving endurance. (CSU, UC-with unit limitation)

KIN 0023. Tai Chi  
Units: 0.5-2  
Formerly known as PHED 0014  
Hours: 36 activity per unit  
Ancient Chinese martial art that improves balance and coordination, promotes health, and reduces stress. Emphasizes meditation in motion and self-defense. Focus on mind/body harmony through balancing body energy (chi). (CSU, UC-with unit limitation)

KIN 0024. Self-Defense for Personal Safety  
Unit: 1.5  
Formerly known as PHED 0063  
Hours: 54 (18 lecture, 36 laboratory)  
Provides individuals with information about personal safety and develops skills to avoid harm. Covers awareness in a variety of locations, such as home, workplace, school, online environment, car and parking lot. Topics include avoidance and awareness of potential dangers, appropriate responses, self-defense strategies (physical and non-physical), legal aspects of self-defense, physical fitness, sensitivity to violent crime victims, and the psychological factors involved in victimization. (CSU)
KIN 0026. Badminton
Units: 0.5-2
Formerly known as PHED 0011
Hours: 36 activity per unit
Fundamental techniques of badminton skills including: service, drop shots, clear shots, forehand and backhand strokes. Covers strategy of singles and doubles play, rules, and game etiquette. Provides an opportunity for competition. (CSU, UC-with unit limitation)

KIN 0027. Recreational Basketball
Units: 0.5-2
Formerly known as PHED 0023
Hours: 36 activity per unit
Introduction to basketball as a recreational/cardio sport, designed to assist students in acquiring basic skills and increasing aerobic fitness, balance, and advanced fitness levels, while actively participating in basketball activities. (CSU, UC-with unit limitation)

KIN 0028. Independent Study
Units: 1-3
Formerly known as PHED 0028
Designed for students interested in furthering their knowledge at an independent study level in an area where no specific curriculum offering is currently available. Independent study might include, but is not limited to, research papers, special subject area projects, and research projects. See Independent Study page in catalog. (CSU, UC-with unit limitation)

KIN 0029. Flag Football
Units: 0.5-2
Formerly known as PHED 0029
Hours: 36 activity per unit
Fundamental theory and practice of flag football skills and knowledge including: passing, kicking, receiving, blocking, defending and rushing. Covers the strategy of team play, rules and etiquette. Provides the opportunity for skill development and competition. (CSU, UC-with unit limitation)

KIN 0030. Golf
Units: 0.5-2
Formerly known as PHED 0010
Hours: 36 activity per unit
Development of sufficient basic proficiency in golf to recognize and enjoy it as a lifetime activity; includes U.S.G.A. rules, etiquette and the fundamental mechanics involved in the use of irons and woods. (CSU, UC-with unit limitation)

KIN 0031A. Soccer Level I
Units: 0.5-2
Formerly known as PHED 0027A
Hours: 36 activity per unit
Fundamental theory and practice, including passing, dribbling, shooting, formations, and strategy. Primary emphasis on the application of skills, rules, and introduction to strategy in game play. (CSU, UC-with unit limitation)

KIN 0031B. Soccer Level II
Units: 0.5-2
Formerly known as PHED 0027B
Hours: 36 activity per unit
Tactical theory and practice, including small group attacking, small group defending, team attacking and team defending. Primary emphasis on tactics and strategy within the game. (CSU, UC-with unit limitation)

KIN 0032. Tennis
Units: 0.5-2
Formerly known as PHED 0016
Hours: 36 activity per unit
Fundamental techniques of service, forehand, and backhand. Covers strategy, rules, and etiquette. Provides an opportunity for competition in both singles and doubles play. (CSU, UC-with unit limitation)

KIN 0033. Volleyball
Units: 0.5-2
Formerly known as PHED 0026
Hours: 36 activity per unit
Fundamental skills, rules, and strategy. Primary emphasis on the application of skills and strategy needed to play volleyball. (CSU, UC-with unit limitation)

KIN 0034. Sand Volleyball
Units: 0.5-2
Hours: 36 activity per unit
Provides instruction and practice in fundamental sand volleyball techniques. Individual skills, such as passing, setting, hitting, blocking and serving, as well as team offensive and defensive strategies. (CSU, UC-with unit limitation)

KIN 0035A. Futsal - Level I
Units: 0.5-2
Advisory: Completion of KIN 0035A with grade of "C" or better
Hours: 36 activity per unit
Introductory course includes game strategy, tactics, and laws of the game. Futsal is a modified form of soccer played indoors on a hard surface with a low bouncing ball. Students develop basic skills in dribbling, passing, heading, shooting and receiving, along with offensive and defensive strategies. (CSU, UC-with unit limitation)

KIN 0035B. Futsal - Level II
Units: 0.5-2
Advisory: Completion of KIN 0035A with grade of "C" or better
Hours: 36 activity per unit
Students develop advanced tactical theory and practice, including small group attacking, small group defending, team attacking and team defending. Primary emphasis on tactics and strategy within the game. (CSU, UC-with unit limitation)

KIN 0040. Aquacise
Units: 0.5-2
Formerly known as PHED 0008
Hours: 36 activity per unit
Designed to improve muscle tone and cardiovascular fitness. Exercises conducted in the water, utilizing the resistance of water against body movement. Strength and conditioning exercises are integrated with aerobic exercises so that students may have the potential for maximum benefit in a short time. Suitable for students with injuries or physical limitations. (CSU, UC-with unit limitation)

KIN 0041. Fundamental Swimming
Units: 0.5-2
Formerly known as PHED 0036
Hours: 36 activity per unit
Development of physical and mental adjustment to the water. For nonswimmers through advanced. Basic instruction in swimming, water safety skills, water entry and exit, and water exercises. Instruction and practice in developing aerobic fitness. (CSU, UC-with unit limitation)
KIN 0042. Swimming Conditioning
Units: 0.5-2
Formerly known as PHED 0039
Hours: 36 activity per unit
Development of muscular and cardiovascular endurance. Instruction in
distance training, interval training, water exercise, sprint training, stroke
techniques and water games. (CSU, UC-with unit limitation)

KIN 0043. Lifeguard Training
Units: 2.5
Formerly known as PHED 0035
Advisory: Candidates must demonstrate strong swimming skills
Hours: 54 (36 lecture, 18 activity)
Knowledge and skills necessary to keep patrons of aquatic facilities
safe in and around water. American Red Cross Lifeguard Training and
CPR/AED for the Professional Rescuer/First Aid certificates issued upon
successful completion of course and American Red Cross requirements.
(CSU, UC)

KIN 0044. Recertification for Lifeguard Training and Professional Rescue
CPR
Unit: 1
Formerly known as PHED 0033
Prerequisite: Possession of a current or recently expired (within 1 year)
Lifeguard Training certificate
Hours: 24 (12 lecture, 12 activity)
Review of Lifeguard Training and CPR for the Professional Rescuer.
Leads to recertification of American Red Cross Lifeguard Training and
CPR. Certificates issued upon successful completion of Red Cross
requirements. (not transferable)

KIN 0050A. Ballet I
Units: 0.5-2
Formerly known as PHED 0056A
Hours: 36 activity per unit
Introduction to fundamentals of classical ballet focusing on the
development of technique through proper alignment, flexibility and
strength. Elements of history, terminology and appreciation of ballet as
an art form are explored. (CSU, UC)

KIN 0050B. Ballet II
Units: 0.5-2
Formerly known as PHED 0056B
Advisory: Completion of KIN 0050A with grade of "C" or better
Hours: 36 activity per unit
Continuation of classical ballet training, exploring elements of ballet
history, musicality, terminology, technique, and performance. Pointe
technique and character dance are also presented. (CSU, UC)

KIN 0051. Jazz Dance
Units: 0.5-2
Formerly known as PHED 0054
Hours: 36 activity per unit
Fundamentals of jazz dance with emphasis on ballet basics, flexibility,
coordination, weight transfer, isolation, floor and barre work,
including jazz history, composition basics, stylization, and improvisation.
(CSU, UC)

KIN 0052. Square Dance
Units: 0.5-2
Formerly known as PHED 0051B
Hours: 36 activity per unit
Introduction to square, round, and contra dancing. Includes development
of rhythm and the history of the dances. (CSU, UC)

KIN 0053. Modern Ballroom Dance
Units: 0.5-2
Formerly known as PHED 0051D
Hours: 36 activity per unit
Basic skills in social and ballroom dance steps, including Swing,
Tango, Waltz, Fox Trot, Cha-Cha, Rumba, Mambo, and Samba. Includes
development of rhythm and the history of social dances. (CSU, UC)

KIN 0054. Modern Dance
Units: 0.5-2
Formerly known as PHED 0053
Hours: 36 activity per unit
Development and improvement in body alignment, flexibility, strength
endurance, balance coordination, relaxation coordination and modern
dance techniques so that the body can be used as an instrument of
creative expression. (CSU, UC)

KIN 0055. Line Dance
Units: 0.5-2
Formerly known as PHED 0051C
Hours: 36 activity per unit
Basic skills in line dancing. Traditional, past and current dances are
taught. Includes development of rhythm and the history of social dances.
(CSU, UC)

KIN 0056. Fundamentals of Yoga
Units: 0.5-2
Formerly known as PHED 0055
Hours: 36 activity per unit
Development of basic Yoga postures, breathing practices, stretching,
and relaxation techniques as a method to improve flexibility, decrease
stress and improve physical and mental well-being. (CSU, UC-with unit
limitation)

KIN 0057. Introduction to Meditation
Units: 0.5-2
Formerly known as PHED 0068
Hours: 36 activity per unit
Exploration of the body/mind connection through techniques of
visualization, affirmation, concentration and meditation. (CSU)

KIN 0058. Mat Pilates
Units: 0.5-2
Formerly known as PHED 0019
Hours: 36 activity per unit
Designed to improve "core" muscles of the torso, improve posture,
suppleness, and elongate the body. Targets back and abdominal
muscle groups. Includes cardiovascular warm up, aerobic conditioning,
strengthening exercises, and cool down. Student must provide Yoga or
Pilates "sticky" mat. (CSU, UC-with unit limitation)

KIN 0059. Adapted Aquatics
Units: 0.5-2
Formerly known as PHED 0073
Advisory: Physician's approval recommended for participation
Hours: 36 activity per unit
For physically limited individuals, providing individually prescribed
exercises, adaptive and/or modified swimming, and exercises designed to
improve cardiovascular endurance. (CSU, UC-with unit limitation)
KIN 0072. Adapted Aerobic Fitness  
*Units: 0.5-2*  
Formerly known as PHED 0074  
Advisory: Physician’s approval recommended for participation  
Hours: 36 activity per unit  
Aerobic fitness training for individuals with disabilities. Emphasis on improving individual levels of aerobic fitness through the use of fitness machines. Class activities adapted and modified to meet individual needs. (CSU, UC-with unit limitation)

KIN 0073. Adapted Individualized Exercises  
*Units: 0.5-2*  
Formerly known as PHED 0072  
Advisory: Physician’s approval recommended for participation  
Hours: 36 activity per unit  
Designed for students having difficulty with ambulation, balance, and/or motor skills. Individualized exercise programs based on the student's physical abilities, physician’s recommendation, and student’s personal goals. (CSU, UC-with unit limitation)

KIN 0074. Adapted Group Activities  
*Units: 0.5-2*  
Formerly known as PHED 0071  
Advisory: Physician’s approval recommended for participation  
Hours: 36 activity per unit  
Introduces students with physical and/or developmental disabilities to a variety of group activities, such as basketball, ultimate frisbee, and flag football. Emphasis on developing fundamental physical and social skills to effectively participate in group activities. (CSU, UC-with unit limitation)

KIN 0075. Adapted Walk/Jog  
*Unit: 1*  
Formerly known as PHED 0075  
Advisory: Physician’s approval recommended for participation  
Hours: 36 activity per unit  
Walking/Jogging for people with permanent or short-term disabilities. Emphasis on walking/jogging techniques, aerobic conditioning, program development, nutrition, proper workout attire and safety. (CSU, UC-with unit limitation)

KIN 0080. ACE Personal Trainer Preparation  
*Units: 3*  
Formerly known as PHED 0032  
Hours: 54 lecture  
Synthesis of principles and theories in exercise physiology, kinesiology, nutrition, and basic behavioral sciences. Application of principles to physical fitness testing and exercise program design and implementation. Prepares students for the American Council on Exercise (ACE) personal trainer certification examination. (CSU)

KIN 0081. Introduction to Kinesiology  
*Units: 3*  
Formerly known as PHED 0081  
Hours: 54 lecture  
Introduces the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology are discussed along with career opportunities in teaching, coaching, allied health, and fitness professions. (C-ID KIN 100) (CSU, UC-with unit limitation)

KIN 0082. Sports Officiating  
*Units: 2*  
Formerly known as PHED 0082  
Hours: 54 (36 lecture, 18 laboratory)  
Officiating team and individual sports. Emphasizes officiating concepts, skills, fundamentals and etiquette of basketball, baseball/softball, volleyball and soccer. Students are required to perform physical activities associated with officiating. (CSU)

KIN 0083. Physiology of Fitness  
*Units: 3*  
Formerly known as PHED 0083  
Hours: 54 lecture  
Introductory course in sports physiology with special emphasis on body systems and how each adapts and responds to physical movement. Review of training strategies implemented to increase functionality of organ systems to improve physical fitness and performance. Provides students with exposure to a variety of performance goals and fitness levels including exercise for health, fitness, recreation, and sports competition. (CSU, UC-with unit limitation)

KIN 0084. Care and Prevention of Athletic Injuries  
*Units: 3*  
Formerly known as PHED 0084  
Hours: 54 lecture  
Designed for students interested in the prevention, evaluation and care of athletic injuries. Introduction to theoretical concepts and practical skills necessary for the proper and effective management of common athletic injuries and medical conditions. Includes the prevention, recognition, evaluation, management and rehabilitation of injuries, taping techniques, and emergency procedures. (CSU)

KIN 0086. Psychology of Sport  
*Units: 3*  
Formerly known as PHED 0086  
Hours: 54 lecture  
Surveys the theory, research, and applications of psychology pertaining to exercise and sports. Presents current topics and issues relevant to sport psychology. Designed for students interested in coaching, athletic training and personal performance. (CSU)

KIN 0087A. Theory of Baseball  
*Units: 3*  
Formerly known as PHED 0089A  
Hours: 54 lecture  
Study and analysis of competitive baseball. Emphasis on defense, offense, pitching, base running, and team strategy. Designed for students with baseball experience and/or the desire to coach baseball at any level. (CSU, UC-with unit limitation)

KIN 0087B. Theory of Basketball  
*Units: 3*  
Formerly known as PHED 0089B  
Hours: 54 lecture  
Study and analysis of competitive basketball. Emphasis on defense, offense, individual and team skill development, rules and games preparation and strategy. Designed for students with basketball experience and/or the desire to coach basketball at any level. (CSU, UC-with unit limitation)
KIN 0087C. Theory of Football  
*Units: 3*
Formerly known as PHED 0089F  
Hours: 54 lecture  
Study and analysis of competitive football. Emphasis on defense, offense, special teams and strategies. Designed for students with football experience and/or the desire to coach football at any level. (CSU, UC-with unit limitation)

KIN 0087D. Theory of Soccer  
*Units: 3*
Formerly known as PHED 0089H  
Hours: 54 lecture  
Theories of offensive and defensive strategies in competitive soccer. Includes study, analysis, and critique of skills and strategies in preparation for all levels of soccer competition. Designed for students with soccer experience and/or the desire to coach soccer at any level. (CSU, UC-with unit limitation)

KIN 0087E. Theory of Softball  
*Units: 3*
Formerly known as PHED 0089C  
Hours: 54 lecture  
Study and analysis of competitive softball. Emphasis on defense, offense, pitching, baserunning, team strategies, stats recording and scorekeeping. Designed for students with softball experience and/or the desire to coach softball at any level. (CSU, UC-with unit limitation)

KIN 0087F. Theory of Volleyball  
*Units: 3*
Formerly known as PHED 0089G  
Hours: 54 lecture  
Theories of offensive and defensive strategies of competitive volleyball. Study, analysis, and critique of offensive and defensive skills and strategies in preparation for all levels of volleyball competition. Designed for students with volleyball experience and/or the desire to coach or play volleyball at any level. (CSU, UC-with unit limitation)

KIN 0088. Introduction to Coaching Team Sports  
*Units: 3*
Formerly known as PHED 0088  
Hours: 54 lecture  
Designed for students interested in coaching team sports. Emphasizes the components of team concepts and the organizational skills needed to implement and conduct a team sport program. (CSU, UC-with unit limitation)

KIN 0095. Internship in Kinesiology  
*Units: 0.5-4*
Designed for advanced students to work in an area related to their educational or occupational goal. Provides new on-the-job technical training under the direction of a worksite supervisor, allowing students to expand knowledge and skills in the chosen field. Mandatory orientation session and faculty approval to determine eligibility. One unit of credit is equal to each 60 hours of non-paid work, or each 75 hours of paid work. Students may earn up to a total of 16 units in internship courses (any course numbered 95 and PDEV 94). (CSU-with unit limitation)

KIN 0096. Sports Activities  
*Units: 0.5-2*
Formerly known as PHED 0093  
Hours: 36 activity per unit  
Intra-class competition in the group activities of basketball, flag football, volleyball, soccer and softball. (CSU, UC-with unit limitation)

KIN 0097. Fire Academy Physical Training  
*Units: 2.5*
Formerly known as PHED 0200  
Corequisite: Concurrent enrollment in FIRE 0100  
Hours: 80 (28 lecture, 52 laboratory)  
Designed for Firefighter I Academy Trainees, emphasizing lifetime fitness, principles of physical fitness, individual fitness programs, managing body composition, stress indicators and management, nutrition, and development of muscular strength and cardiovascular efficiency. (CSU)

KIN 0101. Sport First Aid for Coaches  
*Units: 3*
Hours: 54 lecture  
Provides new and experienced coaches with the action steps for the care and prevention of athletic injuries and illnesses. Includes performing physical assessments, strategies for reducing athletes' risk of injury or illness; developing a medical emergency plan; returning athletes to play; and educating athletes and coaches on the effects and dangers of performance enhancers. (CSU)

KIN 0802. Adaptive Motor Skill Development  
*Units: 0*
Formerly known as PHED 0802  
Hours: 54 laboratory  
Physical activities to meet the varied needs of substantially disabled students. Activities include team sports, jogging/walking, weight training, Special Olympic training, swimming, and yoga. May be repeated. (noncredit)

**Program Student Learning Outcomes (PSLOs)**

- Establish a measurable improvement in one or more fitness components.
- Distinguish principles of healthy weight management through exercise and nutrition.
- Identify and practice high safety standards, support environmental needs, and provide a safe positive experience for other participants (students, student athletes, visiting athletes, community, faculty).
- Demonstrate essential motor skills to fit a variety of activities. Describe and perform exercises reflecting increased knowledge and ability over the semester.
- Generate knowledge of physical education and/or the benefits of exercise.