

PHYSICAL EDUCATION AND HEALTH

School of Health Sciences, Physical Education and Athletics

Dean: Keith Shackelford, J.D.

Academic Chair, Athletics: Martin McGrogan

Academic Chair, Physical Education and Health: Tom Pestolesi

Faculty: Monique Brass, Stacey Burg, Ben Burnett, Jeff Cellini, Dr. Simon Davies, Jason Dietrich, Dr. Ann Doty, Pamela Fagen, Silvie Grote, Julie Hanks, Ron Hastings, Jerry Hernandez, Chris Hogstedt, Lesley Lowe, Kent Madole, Martin McGrogan, Kathryn Milostan-Egus, Janet Olsen, Tom Pestolesi, JoAnna Schoon, Jovan Stojanovski, Ted Weatherford

CURRICULUM

The Physical Education program at Irvine Valley College is designed to acquaint students with the concepts of lifelong fitness and health. Students not only exercise but also are introduced to topics related to exercise such as the physiology of the body, nutrition, injury prevention, and health enhancement. The program serves all students, regardless of age, fitness level, or previous experience.

Classes are offered in cardiovascular fitness, individual/paired sports, intramurals, intercollegiate athletics, aikido, yoga, tai chi, dance, team sports, combative skills, and physical training. The school also provides special services courses for physically challenged individuals seeking corrective and rehabilitative exercise. All activity classes are designed not only to provide for physiological development but also to educate students about the principles involved in that process and to introduce them to the related topics of nutrition, injury prevention, and health enhancement.

The college's physical education complex currently includes baseball, soccer and softball fields; lighted outdoor tennis courts; sand volleyball courts; and outdoor basketball courts. The Hart Gymnasium serves as home court of the Lasers basketball, badminton, and volleyball teams. The gymnasium also houses a strength training center, dance studio, and PE classrooms. The Health Fitness Complex includes an aerobics/multi-purpose room; the Life Fitness Center, with top-of-the-line strength-training and aerobic exercise equipment; and locker rooms. Students may use the center by enrolling in PE 192 and completing the required orientation session.

MAJOR

The Physical Education faculty recommend that students intending to transfer to a four-year institution with a major in physical education consult with a faculty member in the Physical Education Department. Those seeking employment in an industrial fitness/club fitness setting are advised to explore the fitness specialist certificate program. This one-year program is designed to qualify students to serve as personal trainers, aerobics instructors, and/or strength-training instructors. Those who pursue this program will be educated in the principles of exercise science that apply to fitness evaluation, exercise recommendation, and application of appropriate exercise methods.

CAREER OPTIONS

Career options for the physical education major include the following:

- Athletic Trainer
- Fitness Trainer
- Positions in the Leisure, Wellness and Health Industries
- Recreation Leader
- Teacher

ASSOCIATE DEGREE

• Associate in Arts Degree in Physical Education

Students must complete a minimum of 60 units of credit, including the courses in the major ("Major Requirements") and general education requirements (pages 65-73), with an overall GPA of 2.0 or better. A minimum of 12 units must be completed at Irvine Valley College. See pages 61-64 for further information.

CERTIFICATE

• Certificate of Achievement: Fitness Specialist

Students must complete all courses in the certificate program ("Major Requirements") with a grade of "C" or better. A minimum of 12 units in the certificate program must be completed at Irvine Valley College. See page 62 for further information.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Irvine Valley College may not be the same as those required for completing the major at a transfer institution offering a baccalaureate degree. Students who plan to transfer to a four-year college or university should (1) refer to the University Studies major (page 224) and "Transfer Planning" (page 76); (2) consult the catalog of their prospective transfer institution (see the IVC Transfer Center for assistance); and (3) schedule an appointment with an IVC counselor to develop a plan of study before beginning their program. It may be helpful to meet with the department faculty at IVC.

MAJOR REQUIREMENTS: PHYSICAL EDUCATION Associate in Arts Degree

Students who plan to transfer to a four-year college or university should see an IVC counselor and a faculty member in the Physical Education Department before beginning their course of study.

Complete the following courses:		Units
HLTH 1	Health Education	3
OR		
NUT 1	Principles of Nutrition	3

Complete at least <u>two</u> of the following courses:		Units
BIO 11	Human Anatomy	4
OR		
BIO 12	Human Physiology	3
HLTH 2	First Aid: Responding to Emergencies	3
OR		
PE 85	Prevention and Treatment of Athletic Injuries	3

Complete a minimum of <u>two</u> cardiovascular courses:		Units
PE 4-9	(Strength training, conditioning, aerobics)	1-2

Complete a minimum of <u>four</u> different courses from those noted below in individual or team sports, combative skills, fitness, body movement, or dance:		Units
PE 11-47	(Individual sports)	0.5-1
PE 71-79	(Team sports)	0.5-1
PE 90-97	(Combative skills, fitness, body movement)	0.5-1
DNCE 6-51	(Dance)	0.5-1

TOTAL UNITS MUST BE AT LEAST 18

Recommended Electives:

PE 86, 201, 202

CERTIFICATE OF ACHIEVEMENT: FITNESS SPECIALIST

Complete the following courses:		Units
PE 88	First Aid and Injury Prevention	1.5
PE 201	Applied Kinesiology	2
PE 202	Applied Exercise Physiology	2
PE 203	Techniques of Instructing Aerobic Exercise	2
PE 204	Exercise for Special Populations	2
PE 205	Nutrition for Fitness and Sport	2
PE 207	Exercise Testing	2
PE 208	Instructional Techniques of Strength Training	2
PE 209	Exercise Psychology	1
PE 210	Marketing Techniques for the Fitness Specialist	1
PE 215	Fitness Specialist Internship-A	2
TOTAL UNITS:		19.5

COURSES

HEALTH AND NUTRITION

HLTH 1: HEALTH EDUCATION

3 Units

3 hours lecture

Transfers: CSU, UC

This course investigates issues of human health from a holistic perspective, addressing its physiological, emotional, mental, social, and environmental aspects. General topics of investigation include nutrition, fitness, stress, sexuality, relationships, aging, drug abuse, and personal health care. NR

HLTH 2: FIRST AID: RESPONDING TO EMERGENCIES

3 Units

3 hours lecture

Transfers: CSU, UC credit provisions (see UC course list).

This lifesaving skill-training course provides students with the practical resources necessary to respond effectively in emergency situations. The course covers accident and injury prevention, emergency medical care, emergency childbirth, first aid for common injuries and for people with special needs, and responding to delayed help (e.g., wilderness) situations. Successful completion of the course qualifies students for two American Red Cross first aid certificates: "Responding to Emergencies" and "Community CPR." NR

NUT 1: PRINCIPLES OF NUTRITION

3 Units

3 hours lecture

Transfers: CSU, UC

This course provides a thorough introduction to the principles of nutrition and their application in wellness and disease. The course includes discussions of the role, function and sources of carbohydrates, proteins, fats, vitamins, minerals, and water; food pyramids, diets, and fads; food safety; changing nutritional needs; and global issues such as world hunger. Emphasis is on assessing nutritional information and applying it to the individual diet. NR

PHYSICAL FITNESS AND BODY MOVEMENT

PE 4: WEIGHT TRAINING

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This course introduces the basic principles related to the acquisition of muscular strength and endurance. The course addresses the physiological adaptations which occur as a result of strength training. Students will explore training techniques as well as available equipment. A combination of Physical Education 4 and 5 may be taken a total of four times. R-A-3

PE 5: ADVANCED STRENGTH TRAINING

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

Recommended Preparation: PE 4

This course is designed to help students develop their physical strength through weight lifting. Students practice advanced methods and techniques of weight lifting and develop an individual program to improve their strength. A combination of Physical Education 4 and 5 may be taken a total of four times. R-A-3

PE 6: ADVANCED STRENGTH TRAINING AND CONDITIONING FOR SPORT

1.5 or 2 Units

1 hour lecture, 2 hours lab; or

1.5 hours lecture, 2.5 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

Recommended Preparation: Previous strength training experience

This course is designed for students interested in strength-training and conditioning methods specific to their sport. The course focuses on advanced modes of strength training, including free weights, machines, medicine balls, plyometrics, circuit training, and conditioning. R-E-3

PE 8: BEGINNING AEROBICS

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This is a beginning course designed to introduce students to the basic concepts related to muscular strength and endurance, cardiorespiratory endurance, stretching, and nutrition. A combination of Physical Education 8 and 9 may be taken a maximum of four times. R-A-3

PE 9: INTERMEDIATE AEROBICS

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This is a course designed for the intermediate student who has had previous experience in aerobics or has successfully completed the beginning aerobics course and can participate in twenty minutes of high-intensity aerobics. In addition to participating in workouts, students will be introduced to concepts related to muscular strength and endurance, stretching, and nutrition. A combination of Physical Education 8 and 9 may be taken a maximum of four times. R-A-3

PE 94: TAI CHI

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This course provides an introduction to the principles and basic movements of the ancient Taoist art of t'ai chi ch'uan. Emphasis is on balance, physical strength and flexibility through the discipline of slow, fluid movements. The course is designed to promote relaxation, tranquility, health and well-being. R-E-3

PE 96: INTRODUCTION TO YOGA

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This is an overview course in yoga, an integrated study of health. It involves the investigation and practice of breathing techniques, hatha yoga postures (asanas), meditation, and relaxation. Emphasis is on practicing the principles of pranayama (breathing) and deep relaxation to reduce stress; improve concentration, circulation, and flexibility; and unify body, mind, and spirit. The hatha yoga portion will also help to tone and strengthen muscles. R-E-3

PE 97: HATHA YOGA

.5 or 1 Unit

2 or 3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This course involves the investigation and practice of hatha yoga principles. Emphasis is on physical exercises, postures (asanas), and associated breathing techniques designed to improve body alignment; joint flexibility; muscle tone; relaxation; and unity of body, mind and spirit. R-E-3

PE 131: SIMPLE STRATEGIES FOR SUCCESSFUL WEIGHT MANAGEMENT

1.5 Units

1 hour lecture, 1.5 hours lab

Transfers: CSU

This course is designed to help students manage their weight. The emphasis is on combining good nutrition and regular exercise to meet body weight goals. This comprehensive class includes classroom teaching time as well as workouts at the IVC Fitness Center. Students learn how to choose healthy, balanced meals at home or away; read packaged food labels; avoid the "diet failure mentality"; use exercise equipment properly; and design a safe, individualized exercise program. R-E-1

PE 192: LIFE FITNESS CENTER LABORATORY

.5 or 1 or 1.5 or 2 Units

1 or 2 or 3 or 4 hours learning center

Transfers: CSU

The Life Fitness Center is an open exercise laboratory designed to develop and encourage healthy attitudes and habits with regard to cardiovascular efficiency, body composition, muscular strength and endurance, and flexibility. The course enables students to enhance their fitness levels using state-of-the-art weight-training and cardiovascular equipment. Students enrolling in this course must attend an orientation session before using the center. This course is offered on a credit/no-credit basis and is open-entry/open-exit. Units will be credited based on amount of work completed. R-E-3

PHYSICAL EDUCATION (COMBATIVE SKILLS)

PE 90: SELF-DEFENSE

1 Unit

3 hours lab

Transfers: CSU, UC credit provisions (see UC course list)

This course is designed to develop both cognitive and physical skills for self-defense. The student will learn how to recognize and avoid potentially dangerous situations and how to apply basic self-defense techniques appropriately. R-E-3

PE 91: BEGINNING AIKIDO**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course will cover the basic movements, techniques and theory of aikido, a classic Japanese martial art by which the weak control the strong through balance, displacement, concentration, and strong spirit. A combination of Physical Education 91 and 92 may be taken a maximum of four times. R-A-3

PE 92: INTERMEDIATE AIKIDO**1 Unit****3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Recommended Preparation:** PE 91

This course will emphasize the basic physical movements of aikido practiced in more complex combinations with a training partner. Students will concentrate on developing and applying skills and appropriate technique. A combination of Physical Education 91 and 92 may be taken a maximum of four times. R-A-3

INTERCOLLEGIATE ATHLETICS**IA 2: INTERCOLLEGIATE MEN'S BASKETBALL****1 or 2 Units****5 or 10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in men's intercollegiate basketball. R-E-3

IA 3: INTERCOLLEGIATE MEN'S BASEBALL**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in men's intercollegiate baseball. R-E-3

IA 6: INTERCOLLEGIATE MEN'S GOLF**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course is designed to give students an opportunity to train for and participate in men's intercollegiate golf. R-E-3

IA 7: INTERCOLLEGIATE WOMEN'S GOLF**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course is designed to give students an opportunity to train for and participate in women's intercollegiate golf. R-E-3

IA 9: INTERCOLLEGIATE MEN'S TENNIS**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

Recommended Preparation: PE 26 or 27 or two years of organized competitive playing experience strongly recommended.

This course gives students an opportunity to train for and participate in men's intercollegiate tennis. R-E-2

IA 10: INTERCOLLEGIATE WOMEN'S VOLLEYBALL**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate volleyball. R-E-3

IA 11: INTERCOLLEGIATE WOMEN'S SOFTBALL**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate softball. R-E-2

IA 12: INTERCOLLEGIATE WOMEN'S BASKETBALL**1 or 2 Units****5 or 10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate basketball. R-E-3

IA 13: INTERCOLLEGIATE WOMEN'S TENNIS**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Recommended Preparation:** PE 26

or PE 27 or two years of organized competitive playing experience strongly recommended.

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate tennis. R-E-2

IA 15: INTERCOLLEGIATE MEN'S SOCCER**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Recommended Preparation: PE 73 or two years of organized competitive playing experience.

Limitation: Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in men's intercollegiate soccer. R-E-2

IA 18: INTERCOLLEGIATE WOMEN'S SOCCER**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Recommended Preparation:** PE 73 or two years of organized competitive playing experience.**Limitation:** Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate soccer. R-E-3

IA 19: INTERCOLLEGIATE MEN'S VOLLEYBALL**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Limitation:** Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in men's intercollegiate volleyball. R-E-3

IA 20: INTERCOLLEGIATE WOMEN'S BADMINTON**2 Units****10 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Recommended Preparation:** PE 12 or PE 13 or two years of organized competitive playing experience strongly recommended.**Limitation:** Students must meet the COA eligibility requirement and pass a physical examination prior to intercollegiate competition.

This course gives students an opportunity to train for and participate in women's intercollegiate badminton. R-E-3

PHYSICAL EDUCATION (SPORTS)**PE 11: BEGINNING BADMINTON****.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course introduces the official singles and doubles games of badminton, including the basic strokes, footwork, strategy, rules, and etiquette. A combination of Physical Education 11, 12, and 13 may be taken a total of four times. R-A-3

PE 12: INTERMEDIATE BADMINTON**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Emphasis is on individual stroke analysis, playing strategies, and match play in both singles and doubles games. A combination of Physical Education 11, 12, and 13 may be taken a total of four times. R-A-3

PE 13: ADVANCED BADMINTON**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course focuses on advanced strokes, playing strategies, and match play in both singles and doubles games. A combination of Physical Education 11, 12, and 13 may be taken a total of four times. R-A-3

PE 20: BEGINNING GOLF**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed to teach fundamental techniques, basic rules, and proper course etiquette of the game of golf. A lab fee will be required to cover green fees. A combination of Physical Education 20, 22 and 23 may be taken a total of four times. R-A-3

PE 22: INTERMEDIATE GOLF**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed to present intermediate techniques, rules, and etiquette of the game of golf. Students study and practice chipping, putting, sand shots and wood shots, and golfing strategies. Students will incorporate these skills in playing a successful round of golf. A lab fee will be required to cover green fees. A combination of Physical Education 20, 22 and 23 may be taken a total of four times. R-A-3

PE 23: ADVANCED GOLF**1 Unit****3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)**Recommended Preparation:** Demonstrated ability to score consistently in the 70's-80's.

This course provides advanced training for students prior to participating on one of the intercollegiate golf teams. Students develop a personal golf profile that includes air carry distances for each club, ball-striking and ball-flight tendencies, and strategies for the various lies. Students are responsible for golf balls, green fees, and golf clubs. A combination of Physical Education 20, 22, and 23 may be taken a maximum of four times. R-A-3

PE 25: BEGINNING TENNIS**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course introduces the official singles and doubles games. It also provides an exercise program for those striving for a healthy lifetime activity. Students practice forehand and backhand strokes, serves, basic strategies, footwork, scoring and court etiquette. A combination of Physical Education 25, 26, and 27 may be taken a total of four times. R-A-3

PE 26: INTERMEDIATE TENNIS**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed to help the intermediate tennis student improve basic skills, analyze weaknesses, and learn strategies on the court. The course will include review of basic strokes, match play, and singles and doubles games. A combination of Physical Education 25, 26, and 27 may be taken a total of four times. R-A-3

PE 27: ADVANCED TENNIS**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course presents advanced techniques for playing of singles, doubles, mixed doubles, and match play. Students concentrate on improving their form, strokes, and serves. A combination of Physical Education 25, 26, and 27 may be taken a total of four times. R-A-3

PE 32: INTRAMURAL ACTIVITIES**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course provides an opportunity for students to participate in individual and team sports. Sports offered vary by semester and may include volleyball, soccer, tennis, basketball, and golf. This course is taught on a credit/no credit basis only. R-E-3

PE 47: CROSS-COUNTRY**1 Unit****3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed to introduce cross-country running techniques and tactics. The course covers basic skills, training, conditioning, and strategies for running. R-E-3

PE 71: ADVANCED BASKETBALL**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course focuses on developing advanced basketball skills and preparing students for competitive team play. The course is intended primarily to provide advanced training for students prior to participating on one of the intercollegiate basketball teams; however, it is open to all students possessing advanced basketball abilities. R-E-3

PE 73: ADVANCED SOCCER**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

Recommended Preparation: Two years of organized competitive playing experience strongly recommended.

This course is designed to develop advanced skills for individual and team play. Students practice dribbling, heading, shooting, trapping, passing, and defensive tactics, and work to improve their individual performance. UC credit provisions (see UC course list). R-E-3

PE 74: COED SOFTBALL: SLOWPITCH**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course offers instruction in slow-pitch softball for men and women, focusing on the fundamentals of offensive and defensive play. Students participate in basic drills and team games. Learning objectives will be achieved through active participation in individual and/or group assignments. R-E-3

PE 75: ADVANCED SOFTBALL FOR WOMEN**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed for students of advanced ability in competitive fast-pitch softball. Students practice such skills and tactics as throwing, fielding, batting, bunting, base running, sliding, and positioning, as well as offensive and defensive strategy. R-E-3

PE 76: BEGINNING VOLLEYBALL**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course introduces the fundamental strategies and skills of volleyball, including setting, passing, spiking, blocking, and serving, as well as beginning concepts of team and tournament play. A combination of Physical Education 76, 77, and 78 may be taken a total of four times. R-A-3

PE 77: INTERMEDIATE VOLLEYBALL**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course gives intermediate students an opportunity to improve their volleyball skills. Students practice passing, setting, hitting, serving and blocking, as well as basic offensive and defensive systems of play. The course includes discussions of rules and strategy. A combination of Physical Education 76, 77, and 78 may be taken a total of four times. R-A-3

PE 78: ADVANCED VOLLEYBALL**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course presents advanced volleyball techniques and tactics for team and tournament play. The course covers advanced skills, court positioning, rolls, dives, and team strategy, both offensive and defensive. A combination of Physical Education 76, 77, and 78 may be taken a total of four times. R-A-3

PE 79: ADVANCED BASEBALL**.5 or 1 Unit****2 or 3 hours lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course is designed for students interested in competing in baseball at the intercollegiate level. The course focuses on advanced offensive and defensive strategies. R-E-3

PHYSICAL EDUCATION (TRAINING & THEORY)**PE 85: PREVENTION AND TREATMENT OF ATHLETIC INJURIES****3 Units****3 hours lecture****Transfers:** CSU, UC credit provisions (see UC course list)

This course studies both the theory and the practice of preventing, recognizing, and rehabilitating common athletic injuries. Students gain practical experience in basic taping, wrapping, and bracing. The course is designed to assist trainers, coaches, athletes, and physical education majors. R-E-2

PE 86: THEORY OF COACHING**3 Units****3 hours lecture****Transfers:** CSU, UC credit provisions (see UC course list)

This generic foundations course is designed for individuals interested in coaching sports at various levels. The course examines the philosophy of coaching; the role and responsibilities of the modern coach; techniques for motivating and communicating with athletes; principles and methods of training; developing and organizing sports programs; nutrition for health and performance; and managing injuries and emergencies. NR

PE 88: FIRST AID AND INJURY PREVENTION**1.5 Units****1.5 hours lecture, 1 hour lab****Transfers:** CSU, UC credit provisions (see UC course list)

This course, part of the Fitness Specialist Certificate Program, discusses cardiovascular disease and sudden death, CPR, first aid, athletic/exercise injury, and injury prevention and treatment. Through a combination of lectures, slides, films, demonstrations, and practicums, students will learn the basic assessment, care, and prevention of medical emergencies and common injuries. NR

PE 107: SURVEY AND ASSESSMENT OF FITNESS**1 Unit****1 hour lecture****Transfers:** CSU

This course uses different testing and assessment techniques to evaluate the physical condition of students, including their muscular strength and endurance, flexibility, body composition, cardiovascular endurance, and skill-related fitness. The course examines personality factors, as well as lifestyle, diet, nutrition and weight management, and their effect on managing stress levels and designing a viable fitness program for life. NR

PE 201: APPLIED KINESIOLOGY**2 Units****2 hours lecture**

This course, a part of the Fitness Specialist Certificate Program, discusses movement as it relates to exercise. Students will learn the practical implications of bones, joints, muscles, nerves, and muscle actions in developing structurally sound exercise programs. NR

PE 202: APPLIED EXERCISE PHYSIOLOGY**2 Units****2 hours lecture**

This course, part of the Fitness Specialist Certificate Program, examines how the body functions under conditions of exercise stress. Students will study the practical implications of muscle function, cardiorespiratory function, training techniques, and the environment on exercise. NR

PE 203: TECHNIQUES OF INSTRUCTING AEROBIC EXERCISE**2 Units****2 hours lecture, 1 hour lab**

This course, a part of the Fitness Specialist Certificate Program, studies the principles and techniques involved in teaching aerobics. Students will learn how to construct a physiologically safe and effective exercise class. NR

PE 204: EXERCISE FOR SPECIAL POPULATIONS**2 Units****2 hours lecture**

This course is a part of the Fitness Specialist Certificate Program. Students will learn the physiological as well as anatomical differences between various special populations and how these differences impact each population's exercise program. Special groups discussed include pregnant and postpartum women, seniors, children, and the physically impaired. NR

PE 205: NUTRITION FOR FITNESS AND SPORT**2 Units****2 hours lecture**

This course is a part of the Fitness Specialist Certificate Program. Students will study the basic principles of nutrition and the ramifications of nutrition on sports activities. NR

PE 207: EXERCISE TESTING**2 Units****2 hours lecture, 1 hour lab**

This course is a part of the Fitness Specialist Certificate Program. Students will learn to assess cardiorespiratory endurance, body fat, muscle strength and endurance, pulmonary function, and blood pressure and to evaluate the results of such tests. NR

PE 208: INSTRUCTIONAL TECHNIQUES OF STRENGTH TRAINING**2 Units****2 hours lecture**

This course, part of the Fitness Specialist Certificate Program, is designed to provide a thorough review for those intending to teach strength training. The course studies anatomy and physiology, training sequences, available equipment, and safety factors, including contraindications. NR

PE 209: EXERCISE PSYCHOLOGY**1 Unit****1 hour lecture**

This course is part of the Fitness Specialist Certificate Program. Students will explore theoretical information and practical techniques that individuals may apply to change a specific behavior related to exercise and maintain that change. The course is designed primarily for fitness instructors, but others may also benefit from it, including coaches, nurses, teachers, and recreational and competitive athletes. NR

PE 210: MARKETING TECHNIQUES FOR THE FITNESS SPECIALIST**1 Unit****1 hour lecture**

This course, part of the Fitness Specialist Certificate Program, is designed to develop basic marketing and business skills specific to the fitness industry. Students will learn how to identify a target market and create a marketing plan to support and promote their career goal. NR

PE 212: SPORTS MEDICINE INTERNSHIP**2 Units****1 hour lecture, 3 hours lab**

This course provides both theoretical and practical instruction in the prevention, recognition, and rehabilitation of common athletic injuries. It presents an opportunity for students to study and apply athletic training techniques by working with the intercollegiate athletic teams. R-E-3

PE 215: FITNESS SPECIALIST INTERNSHIP-A**1.5 or 2 Units****1 hour lecture, 1.5 hours lab; or****1 hour lecture, 3 hours lab**

Recommended Preparation: Completion of one semester in the Fitness Specialist Certificate program or the equivalent. This course is designed to provide students in the Fitness Specialist Certificate program with practical experience in screening individuals for risk of heart disease, performing physical fitness testing, and formulating an exercise prescription based on fitness testing indicators. In addition to the scheduled lecture and lab hours, there will be additional practicum hours to be arranged. R-E-3

PHYSICAL EDUCATION (ADAPTIVE PE)**APE 1: ADAPTED PERSONALIZED FITNESS****.5 or 1 Unit****2 or 3 hours lab**

Transfers: CSU, UC credit provisions (see UC course list)

This fitness class stresses strength, flexibility, cardiovascular endurance, balance, and gait. It is designed for students who have participated in physical therapy or have a chronic medical diagnosis, or permanent disability. R-E-3

APE 6: ADAPTED SPORTS**.5 or 1 Unit****2 or 3 hours lab**

Transfers: CSU, UC credit provisions (see UC course list)

This course is designed for individuals who need assistance and equipment adaptations to participate in activities and sports. The course discusses equipment modifications, rule variations, skill-building techniques, and strategies for competition. R-E-3