

# KIN - KINESIOLOGY

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## **KIN 1000 Fitness Through Movement (GE) (2 Units)**

Development of personal fitness through assessment, theory, and practice; introduces principles of conditioning, nutrition, and stress management leading to a lifetime of fitness and desirable health attitudes and practices.

Letter grade.  
(GELO2A)

## **KIN 1001 Orientation to Kinesiology and the Health Sciences (1 Unit)**

This introductory course provides a comprehensive overview of the professional standards, expectations, and career pathways for future healthcare professionals within the Department of Kinesiology and Health Sciences. Topics covered include essential networking and professional skills, research methodologies, and effective writing techniques specific to departmental assignments. Students will receive guidance on major course requirements, internship opportunities, and pathways to graduate programs in healthcare fields. This course also emphasizes the pursuit of a purposeful professional life, encouraging students to explore their vocation and calling as central themes.

Letter grade.

## **KIN 1002 Emergency Medical Technician - Basic (4 Units)**

Introduces techniques of emergency care as outlined by the Emergency Medical Services Education Standards (NAEMSES). Provides the theoretical portion of the EMS standards, designed to prepare graduates to work in prehospital care (ambulance, firefighter) and emergency departments at EMT basic level.

Letter grade.

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

## **KIN 1003L Emergency Medical Technician Lab - Basic (4 Units)**

Provides lecture and laboratory activities to attain competency at the EMT-Basic level. Includes competency-based skills training, community experience to observe and assess patients in a hospital emergency department (ED) and ride-along experiences with a Basic Life Support (BLS) ambulance crew.

Letter grade.

**Pre or Corequisite(s):** KIN 1002

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

## **KIN 1010 Martial Arts and Self Defense (GE) (1 Unit)**

An introductory course for the general student covering mixed martial arts (karate/tae kwon do, jujitsu/aikido) and self defense.

Letter grade.

## **KIN 1011 Beginning Soccer (GE) (1 Unit)**

This course will cover the basic beginning concepts of soccer. It will also enhance the importance of healthy stewardship of personal health.

Letter grade.

## **KIN 1012 Yoga Sculpt (GE) (1 Unit)**

Development of personal fitness through a variety of activities including yoga, pilates, core stability ball, light weights, resistance bands, and mat work.

## **KIN 1013 Yoga (GE) (1 Unit)**

This course explores fundamental yoga and mindfulness practices suitable for all-levels of experience. Students will be guided through physical yoga postures from various styles of yoga practice to improve flexibility, strength, and balance. Additionally, students will explore mindful breathing techniques and meditation practices to reduce stress and enhance overall health and well-being.

Letter grade.

## **KIN 1014 Cheerleading (GE) (1 Unit)**

May be repeated up to a total of four (4) units. Letter grade.

**Prerequisite(s):** Consent of instructor.

## **KIN 1015 Adapted Physical Activity (GE) (1 Unit)**

Individually-tailored exercise program for those students physically unable to enroll in the regular physical activity courses. Introduces concepts of physical fitness, basic physiology, nutrition, and proper body mechanics.

May be repeated up to a total of two (2) units. Letter grade.

**Prerequisite(s):** Physician's referral and approval of the department chair.

## **KIN 1016 High Intensity Functional Training (GE) (1 Unit)**

Development of skills and knowledge pertaining to strength, endurance, and flexibility while participating in higher-intensity functional movements through the use of body weight exercises, weights, medicine balls, and more.

Letter grade.

## **KIN 1017 Contemporary Dance (GE) (1 Unit)**

This course is designed to give students exposure to multiple forms of contemporary dance. Forms that may be explored include: hip hop, zumba, bollywood, salsa, and others depending on instructor expertise.

Letter grade.

## **KIN 1018 Southern California Hiking (GE) (1 Unit)**

Course is designed to give lifetime fitness opportunities to university students. Students will meet the 10,000 steps/week goal via trail and road walking during class time and weekend hikes. Fitness concepts including nutrition, long term goal setting, mindfulness, and mental health issues will be addressed. Spiritual aspects to mind-body overall health focus will be emphasized.

Letter grade.

## **KIN 1019 Core and Cardio Training (GE) (1 Unit)**

This class is a variety of workouts aimed at combining core strengthening and cardiovascular endurance activities that will help increase one's stamina, heart health, and boost metabolism. Meets in Golden Gym.

Letter grade.

## **KIN 1020 Beginning Tennis (GE) (1 Unit)**

Fundamental techniques, rules, court play, and etiquette.

Letter grade.

## **KIN 1021 Advanced Tennis (GE) (1 Unit)**

Development of the advanced skills of the approach shot, net play, varied serves, and spins. Participation in singles and doubles strategies and competition.

Letter grade.

**Prerequisite(s):** Consent of instructor.

**KIN 1022 Pickleball (GE) (1 Unit)**

This is a beginning pickleball course in which students will develop the basic skills to play the game of pickleball. These will include: safety, etiquette, rules, scoring, forehand and backhand groundstrokes, volleys, serves, lobs, overheads, dink shots, proper footwork, basic strategies and court positioning for singles and doubles play. Basic fitness and training principles will be discussed as applicable to the sport of pickleball. Letter grade.

**KIN 1030 Beginning Volleyball (GE) (1 Unit)**

An introduction to the fundamental skills for effective play and an understanding of the rules of the game. Letter grade.

**KIN 1035 Badminton (GE) (1 Unit)**

An introduction to the basic techniques, strategies, and rules for singles and doubles play. Letter grade.

**KIN 1040 Beginning Swimming (GE) (1 Unit)**

Fundamental swim strokes, skills, and safety techniques geared toward developing fitness. Letter grade.

**KIN 1041 Advanced Swimming (GE) (1 Unit)**

Training techniques in competitive swimming. Starts, turns, conditioning, stroke mechanics. Letter grade.

**Prerequisite(s):** KIN 1040 or consent of instructor.

**KIN 1044 Beginning Surfing (GE) (1 Unit)**

Instruction and participation in the basic skills of surfing and rough water safety. Letter grade.

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 1048 Boot Camp Fitness (Aerobics) (GE) (1 Unit)**

Boot Camp Fitness class combines the cardiovascular, musculoskeletal and neuromuscular systems that will include workouts such as: circuit, HIIT, Tabata, Medicine ball, some choreography aerobic dance, functional training using dumbbells, resistance bands, stability balls, ViPre, sand bags and more all set to inspirational music. Meets in Golden Gym. Letter grade.

**KIN 1055 Weight Training (GE) (1 Unit)**

Development of skills and knowledge pertaining to building strength, endurance, and flexibility through the use of weights. Letter grade.

**KIN 1060 Golf (GE) (1 Unit)**

An introduction to basic skill techniques, rules, safety, and etiquette leading to a practical golf course experience. Letter grade.

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 1068 Outdoor Adventures (GE) (1 Unit)**

Instruction in the necessary skills and use of proper equipment for safe, enjoyable wilderness outings. Concepts of survival, route-finding, leadership and trip planning for backpacking, rock climbing, and whitewater rafting are part of the student's experience. Letter grade.

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 1070 Varsity Basketball: Men (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1071 Varsity Basketball: Women (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1072 Varsity Tennis: Men (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1073 Varsity Tennis: Women (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1075 Varsity Track and Field: Women (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1076 Varsity Golf (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1077 Varsity Baseball (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1078 Varsity Softball (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1080 Varsity Soccer: Men (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1081 Varsity Volleyball (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1083 Varsity Cross Country: Women (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 1084 Varsity Soccer: Women (GE) (1 Unit)**

May be repeated up to four (4) units. Letter grade.

**KIN 2000 Optimal Health (GE) (2 Units)**

Students are encouraged to take charge of their own lives in terms of attitude, exercise, and nutrition-fostering new habits in these areas and developing an understanding of health as more than the absence of disease.

Letter grade.  
(GELO2A)

**KIN 2001 Fundamentals of Sport Science (2 Units)**

This course introduces essential concepts and scientific principles of sport science, focusing on health screening, risk stratification, training principles, performance monitoring, and physical fitness components. Students will explore real-world applications, including physical assessments of health-related components, and examine how sport science supports athletic performance, injury prevention, and monitors overall physical fitness. Through a blend of theory and practical skill development, this course prepares students for advanced studies and careers in sport, fitness, and health sciences.

Letter grade.

**KIN 2020 Team Sports Fundamentals and Strategies (GE) (2 Units)**

Development and practical application of skills, play, and strategy of team sports from a participation and coaching perspective. Content includes baseball/softball, basketball, football, soccer, and volleyball. In addition to play, students will develop and manage an athletic team, including tactical and technical instruction, game management, and understanding game officiating.

Letter grade.  
(GELO2A)

**KIN 2025 Individual and Dual Sports Fundamentals and Strategies (GE) (2 Units)**

An introduction to the knowledge, skills, and progressions involved in teaching and participating in functional fitness activities. Emphasis will be placed on teaching and assessing movement progressions involved with individual and dual sports.

Letter grade.

(GELO2A)

**KIN 2030 Lifestyle as Medicine (GE) (2 Units)**

This course empowers students to optimize health and well-being through the power of their own lifestyle behaviors. With a whole person approach to wellness and a focus on the six pillars of lifestyle medicine - regular physical activity, plant-predominant diet, stress management, restorative sleep, avoidance of risky substance use and cultivating positive social connection - students will be equipped with evidence-based approaches to prevent and manage chronic diseases in their families, communities, and their own lives.

Letter grade.

(GELO2A)

**KIN 2050 Medical Terminology (2 Units)**

This course focuses on the principles of medical word building using root words, prefixes, and suffixes to help students develop medical vocabulary used in health care settings. The course includes common terms, definitions, and pronunciations for each body system, including pathology, pharmacology, radiography, laboratory tests, and surgical procedures.

Letter grade.

**KIN 2080 Care and Prevention of Athletic Injuries (2 Units)**

Recognition and initial care of commonly occurring injuries to active people. Objective methods of determining if a person is able to continue to play following injury or if referral to medical care is required.

Letter grade.

**KIN 2080L Care and Prevention of Athletic Injuries Lab (1 Unit)**

Skill acquisition in the techniques and procedures required of the Athletic Training clinician. Laboratory instruction on techniques of strapping, binding, and wound management.

Required of Athletic Training majors. Letter grade.

**Corequisite(s):** KIN 2080

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 3002 Clinical Exercise Testing and Prescription (3 Units)**

This course will expand on knowledge of pathophysiology and special consideration for non-diseased and clinical populations by going into depth with clinical exercise testing. EKG interpretation, clinical exercise prescription including medication effects, and contraindications to exercise. The aim is to provide the knowledge and skills necessary for conducting diagnostic and functional cardiopulmonary evaluations and exercise programs for various clinical and non-diseased populations.

Letter grade.

**Prerequisite(s):** Junior or Senior standing.

**Corequisite(s):** KIN 3002L

**KIN 3002L Clinical Exercise Testing and Prescription Lab (1 Unit)**

This lab course accompanies the KIN 3002 lecture and teaches students how to administer, interpret, and apply clinical exercise laboratory tests as well as field-assessments for cardiorespiratory, muscular, body composition, and functional movement fitness domains.

Letter grade.

**Corequisite(s):** KIN 3002

**KIN 3008 Methods of Teaching Physical Education (3 Units)**

Development of competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Organization of teaching units, classroom management, and selection of methods and materials for preschool and elementary grades. Includes outside observation hours.

Letter grade.

**Prerequisite(s):** KIN 1000 or KIN 2000 or KIN 2020 or KIN 2025 or KIN 2030 or SWF 3015

**KIN 3012 Motor Learning and Motor Development (3 Units)**

Motor Development: A study of motor, physical, and neuromuscular development from prenatal periods to old age. Motor Learning: A study of factors involved in the learning and performance of motor skills.

Laboratory experiences included. Letter grade.

**Prerequisite(s):** Junior or Senior standing.

**KIN 3025 Structural Kinesiology (2 Units)**

In-depth study of the structure and function of neuro-musculo-skeletal components of the human body in motion.

Laboratory experiences included. Letter grade.

**Prerequisite(s):** BIO 1030 or consent of instructor.

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 3027 Applied Biomechanics (2 Units)**

Quantitative and qualitative assessments of human movement through the use of kinematic and kinetic means. Students apply the physics of motion to the understanding and teaching of movement in the physical activity and rehabilitative contexts.

Letter grade.

**Corequisite(s):** KIN 3025

**KIN 3027L Biomechanics Lab (1 Unit)**

This class is designed to allow students to analyze human movement using laboratory and clinically based measures. This course will focus on the development of techniques of human movement analysis from structural and functional points of view. It will incorporate principles of mechanics as they apply to the analysis of human motion based on the anatomical, neuromuscular and mechanical principles learned in biomechanics class.

Letter grade.

**Pre or Corequisite(s):** KIN 3027

**KIN 3030 Nutrition for Exercise and Sport Performance (3 Units)**

This course provides essential knowledge in the roles of nutrients to improve and sustain optimal performance in sport and exercise. Specific emphasis will be placed on understanding the functions of macro and micronutrients in the body which fuel energy systems, prevent injury, enhance recovery and optimize health. Current research and practices will be incorporated that use nutritional intervention to improve performance.

Letter grade.

**Prerequisite(s):** KIN 2000, KIN 2030, or consent of instructor.

**KIN 3040 Physiology of Exercise (3 Units)**

A study of the effects of vigorous physical activity upon the systems of the body; development of an understanding of factors which constitute training of the human body for high levels of health and physical performance.

Laboratory experiences included. Letter grade.

**Prerequisite(s):** BIO 1040 or consent of instructor.

**KIN 3040L Physiology of Exercise Lab (1 Unit)**

Practical experiences in assessing human physiological responses to exercise and training.

Letter grade.

**Corequisite(s):** KIN 3040

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 3050 Foundations and Techniques of Coaching (3 Units)**

An overview of coaching aspects including psychology of coaching, administrative coaching skills, and technical strategies of team sports. Includes sport-specific training in: basketball, softball/baseball, and volleyball.

Letter grade.

**Prerequisite(s):** KIN 2020 or consent of instructor.

**KIN 3070 Praxis of Strength Training and Conditioning (3 Units)**

This course provides an in-depth study of the principles and techniques used to assess health and physical fitness and to design and prescribe exercise programs and physical activities. Students will acquire the knowledge and skills necessary to sit for the NSCA's certification exam or another fitness related certification exam (e.g. ACSM, ACE, NASM).

Letter grade.

**Prerequisite(s):** Junior or Senior Standing.

**KIN 3070L Praxis of Strength Training and Conditioning Lab (1 Unit)**

This hands-on lab course provides students with practical experience in the techniques, methodologies, and principles of strength and conditioning. Emphasizing application, students will develop skills in exercise selection, movement analysis, technique instruction, and program design for varied athletic populations. Through direct practice, students will learn to assess individual needs, coach foundational and advanced exercises, and apply periodization concepts to optimize strength, power, agility, change of direction, speed, and conditioning. This lab supports the integration of theory into real-world scenarios, preparing students for field experiences and professional roles in strength and conditioning settings.

Letter grade.

**Pre or Corequisite(s):** KIN 3070

**KIN 3075 Movement Interventions and Corrective Exercise (2 Units)**

This course will provide an integrated approach to restoring and maximizing the human movement system. This course is designed to prepare the student to help clients/patients improve quality of movement. Through a practical and hands on approach students will learn how to analyze the functional aspect of human movement and identify impairments in the human movement system (postural abnormalities and muscular imbalances). Students will also learn how to prescribe functional exercises to correct faulty movement patterns in order to prevent client/patient injuries and improve performance.

Letter grade.

**Prerequisite(s):** BIO 1030 and BIO 1040

**Corequisite(s):** KIN 3025

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 3085 Pathology of Injury and Illness (3 Units)**

An in-depth study of the etiological factors and care of injury and illness. Mechanisms of injury, pathology of illness, topographical appearance, imaging technology for assessment, implications for return to activity and long term health sequelae serve as the matrix for study of pathology. Psychology of injury and illness is studied.

Letter grade.

**Prerequisite(s):** BIO 1040

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 3089 Orthopaedic Assessment (3 Units)**

Systematic evaluation of injuries of the pelvis, lower extremity, axial skeleton, central nervous system, thorax, abdomen, and the upper extremity are studied. Mastering clinical note taking and clinical role playing in lab setting allow students to practice neuromusculoskeletal injury assessment.

Letter grade.

**KIN 4010 Therapeutic Interventions (3 Units)**

This course will equip students with the knowledge and skills required to utilize various mechanical and manual therapeutic techniques to promote tissue healing and restore optimal function. Students will learn how to create rehabilitation programming for individuals suffering from musculoskeletal pathologies and integrate best available evidence to improve patient outcomes.

Letter grade.

**KIN 4020 Pharmacology (1 Unit)**

Study of drug classifications and medico-legal aspects of therapeutic and pharmacological treatments.

Letter grade.

**KIN 4030 Clinical Exercise Physiology (3 Units)**

Detailed analysis of the effects of exercise on the organ systems of the body.

Lecture and laboratory experiences relating to apparently healthy populations as well as those with obesity, diabetes, and metabolic syndrome.

**Prerequisite(s):** KIN 3040

**Fee:** Course fee applies. See "Special Fees" in Financing a PLNU Education.

**KIN 4041 Applied Research (3 Units)**

This course introduces students to key research methodologies in sport and health science, including study design, data collection, and analysis. Additionally, students will learn the foundational skills required to critically evaluate research quality and apply research outcomes to improve athletic performance and health.

Letter grade.

**Prerequisite(s):** MTH 2003

**KIN 4042 Sport Informatics (1 Unit)**

This course provides an in-depth exploration of information systems and data analytics commonly used in sport science. Students will learn how to apply technologies such as wearables, GPS monitoring systems, motion capture, force plates, and other biomechanical assessment tools to collect and interpret data related to athletic performance and health. Emphasis will be placed on data management, analysis, visualization, and the integration of technology to optimize training, prevent injury, and improve recovery.

Letter grade.

**Prerequisite(s):** KIN 3027 or KIN 3070

**KIN 4080 Leadership in the Fitness Professions (3 Units)**

This course surveys general organizational leadership principles and their application to the organization and administration of the health/fitness, coaching and physical education professions. Emphasis is on business management principles and operational concepts, including organizational structure, facility management, industry standards and guidelines, and personnel management practices.

Letter grade.

**KIN 4084 Practicum in Kinesiology (1-3 Units)**

An on-campus experience in which the student works with a faculty member to gain experience in the field of Kinesiology.

May be repeated for up to a total of six (6) units. Letter grade.

**Prerequisite(s):** Consent of instructor.

**KIN 4088 Internship in Kinesiology (1-3 Units)**

An off-campus experience under supervision of a faculty member in which the student gains experience in the field of kinesiology.

May be repeated for up to a total of six (6) units. Letter grade.

**Prerequisite(s):** Consent of instructor.

"C" Designation is for California Internships. "E" Designation is for Out of State Internships.

**KIN 4090 Special Studies in Kinesiology (1-3 Units)**

An intensive study by an individual or group under the direction of a faculty member of a topic in kinesiology not otherwise studied in the curriculum. Intended for junior or senior students in strong academic standing.

May be repeated for up to a total of six (6) units. Letter grade.

**Prerequisite(s):** Consent of instructor and department chair.

**KIN 4091 Research in Kinesiology (1-3 Units)**

Independent investigation under faculty supervision of a specific problem in the field of kinesiology. Intended for junior or senior students in strong academic standing.

May be repeated for up to a total of six (6) units. Letter grade.

**Prerequisite(s):** Consent of department chair.

**KIN 4095 Senior Seminar (1 Unit)**

This course provides a culminating experience for students in their final year to connect their foundational knowledge in Kinesiology with their deeper vocation and calling. Students will learn to integrate the Christian faith into their professional lives, continue to discern their career calling, and prepare for graduate school or to enter the professional setting by developing cover letter and resume, engaging in networking and mock interviews, presenting a culminating senior project, and becoming professionally socialized.

Letter grade.

**Prerequisite(s):** Senior standing only.

**KIN 5010 Evidence-Based Practice and Decision Making in Kinesiology (3 Units)**

This course will enable students to practice the judicious use of current best evidence in making decisions about the care of individual patients and clients. Students will learn to integrate the best external evidence with their clinical expertise and patient concerns to: ask a focused question to satisfy the health needs of a specific patient; find the best evidence by searching the literature; critically appraise the literature; apply the results in clinical practice; and evaluate the outcomes in patients.

Online. Letter grade.

Also offered as KIN 6010.