KINESIOLOGY AND DANCE

Undergraduate Program Information
The Department of Kinesiology and Dance provides students with the education necessary to pursue careers in allied health sciences (medicine, physician's assistant, physical therapy, occupational therapy, etc.), athletic training, physical education, dance and dance education and for a variety of careers in the fitness and wellness industry. Details of the degree programs and their respective concentrations are provided below.

The department also offers minors in dance and exercise science.

Graduate Program Information
The PhD in Kinesiology encompasses opportunities for focused study in physiological, biomechanical, psychological, and pedagogical domains of human movement. Program emphasis is placed on the acquisition of skills needed for high quality research and innovative teaching. Students are expected to become proficient in research methods within their respective areas of interests. The program prepares students for postdoctoral or faculty positions in higher education, or positions in applied sport and clinical settings. Students are expected to work with specific faculty members to explore interests in Biomechanics, Exercise Physiology, Strength & Condition, Aging, Physical Education, Dance and Sport Psychology & Motor Behavior.

Admission
The Department of Kinesiology & Dance offers a Doctorate of Philosophy (PhD) in Kinesiology. To maximize consideration for admittance (for a recommended August start date), candidates should submit applications by January 15 of that same year.

Students will be admitted to graduate study on the basis of their potential for achievement in research, scholarship and teaching. The most promising applicants will be accepted. Because the number of students that the department can successfully accommodate is limited, it will not always be possible to admit all qualified applicants. The admissions committee will consider any material that a candidate for admission wishes to present. Application forms and instructions are available here: http://prospective.nmsu.edu/graduate/apply/index.html. The minimum application consists of the following:

1. A completed Graduate School admission application.
2. Complete transcripts of all college work, reflecting a bachelors and a masters degree (or 30 hours of graduate work) in a related field of study, and a minimum cumulative GPA of 3.0 in prior degree programs.
3. Scores on the Graduate Record Examination (there is no minimum requirement; however, the scores will be considered in the admission decision).
4. Three letters of recommendation from professors, employers or others qualified to evaluate your potential for graduate work.
5. A curriculum vitae or resume.
6. A personal statement explaining how graduate work at NMSU fits your educational and career goals, and,
7. An indication of the faculty members whose work is of particular interest to you, and a letter of support from at least one faculty member indicating an interest in guiding you through your program of studies.

Degrees for the Department
Dance - Bachelor of Arts in Dance (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/dance-bachelor-arts-dance)
Athletic Training - Bachelor of Science in Athletic Training (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/athletic-training-bachelor-science-athletic-training)
Kinesiology - Bachelor of Science in Kinesiology (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/kinesiology-bachelor-science-kinesiology)
Kinesiology - Doctor of Philosophy (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/kinesiology-doctor-philosophy)

Minors for the Department
Dance - Undergraduate Minor (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/dance-undergraduate-minor)
Exercise Science - Undergraduate Minor (http://catalogs.nmsu.edu/nmsu/education/kinesiology-dance/exercise-science-undergraduate-minor)

Professor, Robert Wood, Academic Department Head

Professors Berning, Knapp, Oliver; Associate Professor Gear, Keeley, Gilpin, Post; Assistant Professors Aiken, An, Aranda, Lee, Meyer, O’Connell; Instructor Gavit

Graduate Faculty: Robert H. Wood, Department Head, PhD (Louisiana State University), Phillip G. Post, Graduate Program Coordinator, PhD (Associate Professor, University of Tennessee), Christopher A. Aiken (Assistant Professor, Louisiana State University), Yong Woo An (Assistant Professor, University of Delaware), Joseph M. Berning, PhD (Professor, University of Nebraska), William S. Gear, PhD (Associate Professor, University of Pittsburgh), Frank G. “Paco” Gilpin, MS (College Associate Professor, New Mexico State University), David W. Keeley, PhD (Associate Professor, University of Arkansas), Debra W. Knapp, EdD (Professor, New Mexico State University), Sang-Rok, Lee (Assistant Professor, Florida State University), Kimberly L. Oliver, PhD (Professor, Virginia Polytechnic Institute).

Instructional Faculty: Raquel S. Aranda, MS (College Assistant Professor, New Mexico State University), Ann N. Gavit, MS (College Instructor, New Mexico State University), Shon Meyer, MS (College Assistant Professor Instructor, University of Idaho), Kimberly O’Connell, MS (College Assistant Professor, California University of Pennsylvania).

phone: (575) 646-2216
website: https://kind.nmsu.edu/kin/

DANC 101G. Dance Appreciation
3 Credits
An investigation of movement, dance and choreographic work as a vehicle for understanding culture. Includes concepts in dance appreciation, themes and purposes of dance analysis of dance works, exposure to different styles of dance and understanding the roles and effects of major historical periods. Restricted to: Main campus only.
DANC 102. Introduction to Hip-Hop Dance
1 Credit
This course is an introduction to Hip-Hop dance. The movement material will cover West coast and Southern styles with the inclusion of the history and evolution of Hip-Hop dance. No previous dance experience required. May be repeated up to 4 credits. Restricted to Las Cruces campus only.

DANC 109. Argentine Tango I
1 Credit
Introduction to skills and techniques of Argentine Tango.

DANC 118. West Coast Swing I
1 Credit
Students will learn to dance the smooth style of Swing. The West Coast Swing may be danced to ANY style of music that has a beat (Country, R&B, Hip Hop, Disco, House). Also featured is the Hustle (fast paced and exhilarating). May be repeated up to 4 credits. Restricted to Las Cruces campus only.

DANC 120. Ballet Folklorico I
1 Credit
Introductory course in folklorico dances of New Mexico and Mexico. May be repeated for a maximum of 2 credits.

DANC 121. Beginning Country Western Dance
1 Credit
Beginning Country Western dance, including Country Western two-step, nightclub two-step, polka, and Country Western line dance. May be repeated up to 2 credits. Restricted to Las Cruces campus only.

DANC 122. Introduction to Latin Social Dance
1 Credit
Introduction to Latin social dance for non dance majors. Students will learn basic Latin dance technique and partnering work. May be repeated up to 2 credits. Restricted to Las Cruces campus only.

DANC 123. Ballet Technique I
1 Credit
Introduction to basic ballet technique, vocabulary, and history. Includes practical application of anatomical placement, posture and control through participation and academic study. May be repeated for a maximum of 2 credits.

DANC 124. Jazz Technique I
1 Credit
Introduction to basic jazz technique, styles, and history through participation and academic study. May be repeated for a maximum of 2 credits.

DANC 125. Introduction to Ballroom Dance
1 Credit
Introduction to ballroom dance for non dance majors. Students will learn basic ballroom technique and partnering work. May be repeated up to 2 credits. Restricted to Las Cruces campus only.

DANC 126. Modern Dance Technique I
1 Credit
Introduction to and development of basic modern dance technique, history, and aesthetics through participation and academic study. May be repeated for a maximum of 2 credits.

DANC 127. Tap Dance I
1 Credit
Introduction to skills and techniques of tap dance. May be repeated for a maximum of 2 credits.

DANC 128. Latin Club Dance
1 Credit
Introduction to the most popular Latin Club Dances to include the Salsa, Merengue, and Bachata. May be repeated up to 2 credits. Restricted to Las Cruces campus only.

DANC 129. Flamenco I
1 Credit
Introduction to skills and techniques of flamenco dance. May be repeated for a maximum of 2 credits.

DANC 151. Master Works
1 Credit
This course investigates the work of master choreographers in contemporary, Spanish, and social dance styles. Students will engage in exploring concepts in dance appreciation, themes and purposes of dance by analyzing dance works using principles, elements, and process of compositional design. This course will require students to communicate their opinions through verbal discussions, group projects, and written assignments. Restricted to Las Cruces campus only.

DANC 200. Dance Pedagogy: Educational Theory
1 Credit
This course will examine how people learn cognitively, physically, and emotionally so that students can become better at self-teaching and self-assessment. Students will study several educational theories and how they relate to dance. Restricted to Las Cruces campus only.

DANC 201. Dance Production I
1 Credit
Students will learn the production process of dance events which may include performances, festivals, workshops, conferences. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 202. Dance Sport I
1 Credit
Performance-based, team formation dance in a variety of Latin and ballroom dances. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 203. Contemporary Dance Ensemble I
1 Credit
Performance-based, team formation dance in a variety of Latin and ballroom dances. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 204. Contemporary Dance Ensemble II
1 Credit
Performance-based, team formation dance in a variety of Latin and ballroom dances. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 205. Contemporary Dance Ensemble III
1 Credit
Performance-based instruction for students pursuing a career in contemporary dance. Instruction includes contemporary dance repertory and choreography for stage, outdoor arenas, and site-specific areas. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
DANC 206. Spanish Dance Ensembles I
1 Credit
Performance-based instruction for students pursuing a career in dance with an emphasis in Spanish Dance. Instruction includes dance repertory and choreography for stage, outdoor arenas, and site-specific areas. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 209. Argentine Tango II
1 Credit
Intermediate study in Argentine tango. Learn advanced patterns, techniques and partnering skills. May be repeated up to 2 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): Consent of instructor.

DANC 210. Classical Spanish II
2 Credits (1+3P)
The study of theory, techniques, and practice of Classical Spanish at the intermediate level. Includes historical and cultural contexts of this art form. May be repeated up to 8 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 129.

DANC 212. Intermediate Hip-Hop Dance
2 Credits
This course is for students who have experience in Hip-Hop dance. The movement material will cover West coast and Southern styles with the inclusion of the history and evolution of Hip-Hop dance. May be repeated up to 8 credits. Restricted to Las Cruces campus only.

DANC 218. West Coast Swing II
2 Credits
Students will take their West Coast Swing & Hustle to the next level. Learn Intermediate and Advanced figures and techniques in both dances. Students will also enjoy advanced study on musicality and blending to create new amalgamations as well as practice in advanced leading & following techniques. May be repeated up to 8 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 118.

DANC 221. Country Western Dance
2 Credits
Intermediate skills in country/western two-step, nightclub two-step, polka, and Western line dances. May be repeated up to 4 credits. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 121 or consent of instructor.

DANC 222. Bronze American Rhythm
2 Credits (1+2P)
Bronze level American Rhythm patterns, techniques, and partnering with emphasis on elements of dance. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 223. Ballet Technique II
2 Credits
Continued study of classical ballet technique, vocabulary, and history through participation and academic study. May be repeated up to 8 credits. Restricted to Las Cruces campus only.

DANC 224. Jazz Technique II
2 Credits
Continued study of jazz technique and history through participation and academic study. May be repeated up to 8 credits. Restricted to Las Cruces campus only.

DANC 225. Bronze American Smooth
2 Credits (1+2P)
Bronze level American Smooth patterns, technique, and partnering with an emphasis on the elements of dance. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 125 or consent of instructor.

DANC 226. Modern Dance Technique II
2 Credits
Continued study of postmodern dance technique and history through participation and academic study. May be repeated up to 8 credits. Restricted to Las Cruces campus only.

DANC 227. Tap Dance II
1 Credit
Continued study of skills and techniques of tap dance at the advanced level. May be repeated for a maximum of 2 credits.
Prerequisite: DANC 127 or consent of instructor.

DANC 229. Flamenco II
2 Credits
The study of theory, techniques and practice of Flamenco at the intermediate level. Includes historical and cultural contexts of this art form. May be repeated up to 8 credits. Restricted to Las Cruces campus only.
Prerequisite(s): DANCE 129.

DANC 232. Bronze International Latin
2 Credits
This is the style of Latin dance that is danced around the globe and is featured in the World DanceSport Championships. Students will learn the Bronze Level figures and techniques in four (4) International Style dances: Rumba, Cha Cha, Samba & Jive and the techniques. May be repeated up to 8 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 222.

DANC 235. Bronze International Standard
2 Credits
This is the style of Ballroom dance that is performed around the globe and is featured in the World DanceSport Championships. Learn the Bronze Level figures and techniques in five (5) International Style dances: Waltz, Tango, Viennese Waltz, Foxtrot & Quickstep. Students will focus on understanding technical Elements of Dance, memorizing and performing routines. May be repeated up to 8 credits. Consent of Instructor required. Restricted to Las Cruces campus only.
Prerequisite(s): DANC 225.

DANC 239. DanceSport Choreography I
2 Credits
An introduction to the process and theory behind creating original choreography for both performance and competition level dance. With focus on the individual couple, gain necessary skills, knowledge and practice in choreographing Ballroom, Latin, Swing &/or Nightclub dance routines in various practical settings. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 257. Dance Studio Management
3 Credits
The study and practice of studio management. Includes study of financial procedures, marketing, entrepreneurship, leadership, management, fund-raising and other related topics. Restricted to majors and minors.
DANC 279. Flamenco Choreography I  
2 Credits  
Students develop and perform solo dance studies with an emphasis placed on the development of personal movement vocabulary, phrase building, and the exploration of choreographic tools for Flamenco on stage. Discussion, critiquing, and descriptive writing about their choreographic processes will supplement direct physical work. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

DANC 280. Improvisation I  
1 Credit  
Introduction and development of basic movement improvisation skills.

DANC 289. Principles of Choreography I  
2 Credits  
Solo dance choreography technique. Course must be passed with a grade of C or higher. Consent of instructor required. Restricted to: Main campus only. Restricted to Dance Majors Dance Minors majors.

DANC 300. Dance Pedagogy: Creative Movement  
3 Credits  
Teaching methods and class planning for creative movement dance curriculum at preschool and elementary school levels. Restricted to Las Cruces campus only.

DANC 301. Flamenco Pedagogy I  
3 Credits  
The methods and theory of teaching Flamenco dance forms particularly in the studio environment. Consent of Instructor required.  
Prerequisite(s): DANC 229 AND DANC 206.

DANC 303. Dance Production II  
1 Credit  
Students will learn the production process of dance events which may include performances, festivals, workshops, conferences.  
Prerequisite(s): DANC 203.

DANC 304. Dance Sport II  
1 Credit  
Advanced performance-based, team formation dance in a variety of Latin and social dances. May be repeated up to 4 credits. Consent of Instructor required.  
Prerequisite(s): Consent of instructor and one of DANC 121, DANC 122, DANC 125, or DANC 128.

DANC 305. Contemporary Dance Ensemble II  
1 Credit  
Advanced performance-based instruction for students pursuing a career in contemporary dance. Instruction includes contemporary dance repertory and choreography for stage, outdoor arenas, and site-specific areas. May be repeated up to 6 credits. Consent of Instructor required.

DANC 306. Spanish Dance Ensemble II  
1 Credit  
Performance-based instruction for students pursuing a career in dance with an emphasis in Spanish Dance. Instruction includes dance repertory and choreography for stage, outdoor arenas, and site-specific areas. May be repeated up to 4 credits. Consent of Instructor required.

DANC 310. Classical Spanish Dance III  
3 Credits  
Advanced study of Classical Spanish Dance with castanets, cultural history, and pedagogy methods. A expanded focus on integration of different classical genres with focus on solo work. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): DANC 210.

DANC 322. Silver American Rhythm  
3 Credits (2+2P)  
Silver level American Rhythm patterns and technique with emphasis on performance. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): DANC 222.

DANC 323. Ballet Technique III  
3 Credits  
Intermediate/advanced study of ballet technique, including vocabulary and history. May be repeated for a maximum of 12 credits.  
Prerequisite: DANC 223 or consent of instructor.

DANC 324. Jazz Technique III  
3 Credits  
Advanced study of jazz dance, including vocabulary and history. May be repeated for a maximum of 12 credits.  
Prerequisite: DANC 224 or consent of instructor.

DANC 325. Silver American Smooth  
3 Credits (2+2P)  
Silver level American Smooth patterns and technique with emphasis on performance. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): DANC 225.

DANC 326. Modern Dance III  
3 Credits  
Intermediately advanced-level modern dance technique and study of current dance aesthetics. May be repeated for a maximum of 12 credits.  
Prerequisite: DANC 226 or consent of instructor.

DANC 329. Flamenco III  
3 Credits  
Advanced study in flamenco dance technique, its cultural history and pedagogy methods. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): Consent of instructor.

DANC 332. Silver International Latin  
3 Credits  
Students will learn Silver Level syllabus figures in four (4) International Style dances: Rumba, Cha Cha, Samba & Jive and Bronze Level figures in Paso Doble. Continued training and practice in International Style Latin dance technique. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): DANC 232.

DANC 335. Silver International Standard  
3 Credits  
Learn Silver Level syllabus figures in the five (5) International Style Standard dances: Waltz, Tango, Viennese Waltz, Foxtrot & Quickstep. Students will focus on increased technical understanding to increase their ability in partnering and musicality. May be repeated up to 12 credits. Consent of Instructor required.  
Prerequisite(s): DANC 235.

DANC 339. Flamenco Structure and Improvisation  
3 Credits  
A Study of various elements necessary in an improvisational setting in Flamenco. Using a cross section of Flamenco forms as a format. Students study the compass of each palo, then move to several traditional letras appropriate to these forms. May be repeated up to 9 credits. Consent of Instructor required.  
Prerequisite(s): DANC 229.
DANC 342. DanceSport Pedagogy: Rhythm
3 Credits
In this teacher education course, students will begin to develop skills necessary in becoming a successful, professional Ballroom Dance Instructor. Students will gain technical mastery of Bronze level figures in four (4) Rhythm Dances to include the Rumba, Cha Cha, East Coast Swing and Mambo. Students will gain practical teacher education in the area of Private Lesson Instruction with required in class practicums. May be repeated up to 6 credits. Consent of Instructor required.
Prerequisite(s): DANC 222.

DANC 345. DanceSport Pedagogy: Smooth
3 Credits
In this teacher education course, students will begin to develop skills necessary in becoming a successful, professional Ballroom Dance Instructor. Students will gain technical mastery of Bronze level figures in the four (4) American Style Smooth Ballroom Dances to include the Waltz, Foxtrot, Tango and Viennese Waltz. Students will gain practical teacher education in the area of Group Class Instruction with required in class practicums. May be repeated up to 9 credits. Consent of instructor required.
Prerequisite(s): DANC 225.

DANC 380. Improvisation II
1 Credit
Continued practice in movement improvisation with more complex examination of improvisational structures.
Prerequisite: DANC 280.

DANC 389. Principles of Choreography II
2 Credits
Continued investigation of the choreographic process with an emphasis on group choreography. Course must be passed with a grade of C or higher. Consent of instructor required. Restricted to: Main campus only. Restricted to Dance majors Dance minors majors.
Prerequisite(s): DANC 289.
DANC 426. Modern Dance Technique IV
3 Credits
Advanced study of modern technique, including history and aesthetics. May be repeated for a maximum of 12 credits.
Prerequisite: DANC 326 or consent of instructor.

DANC 432. Gold International Latin
3 Credits
Students will complete all syllabus figures through the Gold level in the Rumba, Cha Cha, Samba, Jive and Paso Doble. Advanced training and practice in International Style Latin dance technique. May be repeated up to 12 credits. Consent of Instructor required.
Prerequisite(s): DANC 332.

DANC 435. Gold International Standard
3 Credits
Students will learn Gold Level syllabus figures in the five (5) International Style Standard dances: Waltz, Tango, Viennese Waltz, Foxtrot & Quickstep. Students will focus on physical and cognitive mastery of standard dance technique and elements as well as high-level performance ability, musicality and choreography. May be repeated up to 12 credits. Consent of Instructor required.
Prerequisite(s): DANC 335.

DANC 442. DanceSport Pedagogy: Latin
3 Credits
This teacher education course is designed to prepare future dance professionals in the teaching of the International Style Latin dances: Cha Cha, Samba, Rumba, Paso Doble & Jive. Gain a deep understanding of all elements and be well prepared to take the DVIDA or ISTD professional certification exams. May be repeated up to 6 credits. Consent of Instructor required.
Prerequisite(s): DANC 232 & 342.

DANC 445. DanceSport Pedagogy: Standard
3 Credits
This teacher education course is designed to prepare future dance professionals in the teaching of the International Style Standard dances: Waltz, Tango, Foxtrot & Viennese Waltz. Students will gain a deep understanding of all elements and be well prepared to take the DVIDA or ISTD professional certification exam. May be repeated up to 6 credits. Consent of Instructor required.
Prerequisite(s): DANC 235 & DANC 345.

DANC 447. DanceSport Certification Preparation
3 Credits
The Professional Certification process offers extraordinary benefits to dance teachers, deeply enriching their dancing and teaching, and greatly expanding their career opportunities. This intensive course is designed to fully prepare students in taking the DVIDA and/or ISTD exams in the Smooth, Rhythm, Standard or Latin dances depending on course offered. See subtitle for specific style being taught in the Schedule of Classes. May be repeated up to 12 credits. Consent of Instructor required.

DANC 450. Special Topics
1-3 Credits (1-3)
Specific subjects to be announced in the Schedule of Classes. May be repeated up to 3 credits. Consent of Instructor required.
Prerequisite(s): Consent of instructor.

DANC 451V. World Dance
3 Credits
Examination of dance forms from a cross-cultural perspective, focusing on the role of dance in different cultures around the globe. Same as HON 347V.
DANC 525. Advanced Theory of American Smooth Technique  
1 Credit  
Advanced study of dance pedagogy and theory with practice in American Smooth technique May be repeated up to 6 credits. Consent of Instructor required. Crosslisted with: DANC 325.

DANC 529. ADV THRY FLAM  
1 Credit  
Advanced study of dance pedagogy and theory with practice in Flamenco technique May be repeated up to 6 credits. Consent of Instructor required. Crosslisted with: DANC 329.

DANC 550. Special Topics  
1-6 Credits (1-6)  
Specific subjects offered in addition to standard academic curriculum. Course title to be announced in the Schedule of Classes. May be repeated up to 6 credits. Consent of Instructor required.

DANC 551. Movement as Social Text  
3 Credits  
Investigation of the meaning of movement and dance in different cultural, social, and historical contexts in both Western and non-Western dance forms. Emphasis will be placed on the nature of movement, its unique properties, the ways in which it conveys meaning, and its relationship to culture and society. Consent of instructor required.

DANC 556. Advanced Theory of Dance Pedagogy  
1-6 Credits (1-6)  
Advanced study of dance pedagogy theory and practice. May be repeated up to 6 credits. Consent of Instructor required.

DANC 567. Dance Internship I  
2 Credits  
Internship opportunities in either dance education, dance performance/production, or dance administration. Internship site determined by both Director of Dance Program and graduate student. Consent of Instructor required.

DANC 568. Advanced Theory of Modern Dance Technique  
1 Credit  
Advanced study of dance pedagogy and theory with practice in Modern dance technique May be repeated up to 6 credits. Consent of Instructor required. Crosslisted with: DANC 426.

DANC 570. Dance Administration and Leadership  
2 Credits  
The study and investigation of both management and leadership theories and how to apply these theories in practice.

DANC 599. Master's Thesis  
1-6 Credits (1-6)  
This course is for graduate dance students who choose to write a thesis instead of a performance or teaching project. May be repeated up to 6 credits. Thesis/Dissertation Grading.

DANC 600. Dance Research  
3 Credits  
Literature review and development of research in the field of dance.

DANC 670. Dance Internship II  
3 Credits  
Internship opportunities in either dance education, dance performance/production, or dance administration. Internship site determined by both Director of Dance Program and graduate student.

DANC 700. Doctoral Dissertation  
3 Credits  
This course is for graduate dance students working toward their EdD or PhD in dance. A dissertation is required. Topic and format to be determined by dissertation committee chair and graduate student. Consent of instructor required. Restricted to Graduate Dance Majors majors.

P E 102. Beginning Weight Training  
1 Credit  
Introduction to basic principles and techniques of weight training.

P E 103. Beginning Weight Training for Women  
1 Credit  
Introduction to basic principles and techniques of weight training as related to women.

P E 104. Military Physical Fitness  
1 Credit  
Directed physical fitness activities designed to develop and maintain muscular strength/endurance, cardiopulmonary efficiency, flexibility, and coordination required for leadership roles after graduation.

P E 109. Pilates  
1 Credit  
Designed exercise program involves the entire body while focusing on strengthening the core muscles of the torso. Exercises promote coordination, balance, and strength.

P E 110. Sports Conditioning  
1 Credit  
Sport specific conditioning using aerobic and resistive overload training. May be repeated for a maximum of 4 credits.  
Prerequisite: consent of instructor.

P E 112. Beginning Volleyball for Men  
1 Credit

P E 113. Beginning Volleyball for Women  
1 Credit

P E 114. Basketball for Women  
1 Credit

P E 115. Basketball for Men  
1 Credit

P E 117. Beginning Soccer  
1 Credit  
Introduction to the basic techniques and skills of soccer.

P E 127. Cardio-Kickboxing  
1 Credit  
Activities that mimic punches, blocks, and kicks which have been modified to serve the purpose of providing a cardiovascular workout.

P E 128. Aerobic Dance  
1 Credit  
Designed to increase knowledge of the human body's responses to exercise, enhance the level of muscular development, and cardiovascular endurance with the use of music.

P E 129. Step Aerobics  
1 Credit  
Designed to increase knowledge of the human body's responses to exercise, enhance the level of muscular development, and cardiovascular endurance with the use of music and steps.

P E 130. Beginning Swimming  
1 Credit
PE 131. Aqua Aerobics
1 Credit
Designed to increase knowledge of the human body’s responses to exercise, enhance the level of muscular development, and cardiovascular endurance through exercise in water.

PE 132. Intermediate Swimming
1 Credit
Development of fitness through participation in aquatics activities.
Prerequisite(s): Ability to swim 200 yards.

PE 134. Lifeguard Training
2 Credits
Skills training for a nonsurf lifeguard. Course will include Standard First Aid and CPR certification.
Prerequisites: swim 500 yards, dive to 9-foot depth and retrieve a 10-pound brick, surface dive to 5 feet then swim under water 15 yards, tread water one minute.

PE 147. Beginning Tennis
1 Credit

PE 148. Beginning Racquetball
1 Credit

PE 150. Beginning Golf
1 Credit

PE 154. Personal Defense
1 Credit
Physical conditioning and defense skills for men and women.

PE 159. Introduction to Brazilian Jiu-Jitsu
1 Credit
Brazilian Jiu-Jitsu is primarily a ground fighting art. This course will place heavy emphasis on positional strategy and focus on the sportive aspect of the sport. A Judo/Jiu-Jitsu Gi (uniform) is required.

PE 166. Futsal (Five-A-Side Soccer)
1 Credit
Futsal, official form of indoor soccer, approved by FIFA.

PE 173. Running Fitness
1 Credit
Basic fitness knowledge techniques and training methods of fitness running are practiced and refined.

PE 199. Yoga
1 Credit
A holistic approach to exercise benefiting the body, mind, and spirit. Practices focus on alignment, strength, breath relaxation, and restoration.

PE 202. Intermediate Weight Training
1 Credit
Intermediate training and skill techniques in weight lifting.
Prerequisites: P E 102 or consent of department head.

PE 204. Cross Training
1 Credit
Intensive training program that incorporates both aerobic and resistive overload approaches to training.

PE 205. Walking Fitness
1 Credit
Basic fitness knowledge techniques and training methods of fitness walking are practiced and refined.

PE 206. Beginning Physical Fitness
1 Credit
Progressive exposure to steady state exercise tailored to individual needs for the purpose of determining, improving, and maintaining physical fitness.

PE 208. Marathon Preparation
1 Credit
Gradual training progression for novice and experienced runners to develop and/or refine a training program enabling completion of or better personal record for the marathon. Discussions on equipment, nutrition, injury prevention and treatment.
Prerequisite: presently running three miles, three to four times per week.

PE 209. Intermediate Pilates
1 Credit
Intermediate training and skill techniques in Pilates.
Prerequisite(s): PE 109 or consent of instructor.

PE 212. Intermediate Volleyball-Men
1 Credit
Prerequisite: P E 112 or consent of department head.

PE 213. Intermediate Volleyball-Women
1 Credit
Prerequisite: P E 113 or consent of department head.

PE 215. Intermediate Walking
1 Credit
A continuation of basic fitness knowledge techniques and training methods of fitness walking are practiced and refined.
Prerequisite: P E 205 or consent of department head.

PE 216. Advanced Walking
1 Credit
Advanced walking fitness and training techniques are presented, practiced, and refined.

PE 228. Intermediate Aerobic Dance
1 Credit
Aerobic dance at a high intensity level with a more in-depth study of the body’s physiological response to exercise.
Prerequisite: P E 128 or consent of department head.

PE 229. Intermediate Step Aerobics
1 Credit
Step aerobic dance at a high intensity level with a more in-depth study of the body’s physiological response to exercise.
Prerequisite: PE 129 or consent of instructor.

PE 230. Advanced Swimming
1 Credit
Perfection of basic strokes, survival swimming, and physical fitness.
Prerequisite(s): P E 130 or ability to swim 100 yards.

PE 247. Intermediate Tennis
1 Credit
Prerequisite: P E 147 or consent of department head.

PE 248. Intermediate Racquetball
1 Credit
Advanced skills and strategies in racquetball.
Prerequisite: P E 148 or consent of instructor.

PE 250. Intermediate Golf
1 Credit
Prerequisite: P E 150 or consent of department head.
P E 263. Outdoor Recreation Skills
1 Credit
Selected outdoor activities. Appropriate subtitles, such as hiking and backpacking, camping and survival, hunting and gun safety, casting and angling skills. May be repeated for maximum of 4 credits.

P E 264. Intermediate Cycling
1 Credit
Introduction to competitive cycling. Content includes techniques in training, riding, racing, and racing tactics.

P E 270. Special Topics
1-3 Credits
Specific subjects to be announced in the Schedule of Classes. Each offering will carry appropriate subtitle. May be repeated for a maximum of 4 credits.

P E 276. Intermediate Aqua Aerobics
1 Credit
A continuation of basic fitness to increase knowledge of the human body’s responses to exercise, enhance the level of muscular development and cardiovascular endurance through exercise in water.

P E 299. Intermediate Yoga
1 Credit
Intermediate training and skill techniques in Yoga.
Prerequisite(s): PE 199 or consent of instructor.

P E 310. Advanced Weight Training: Theory and Practice
3 Credits
For men and women who wish to continue weight training and learn principles of strength training.

PE P 185. Introduction and Foundations
3 Credits
Historical and cultural foundations and vocational, scientific, and educational data on careers in health education, physical education, and recreation. Restricted to: Main campus only.

PE P 208. Fitness for Health and Sport
3 Credits
A study of the fitness needs for health enhancement and sport participation. Restricted to: P E, SP M, KIN, S ED majors.

PE P 210. Theory and Technique of Aquatics
2 Credits
Introduction to fundamental aquatics knowledge and skills.
Prerequisite(s): Ability to swim 100 yards.

PE P 296. Theory of Coaching I
3 Credits
Focus on areas of academic theory associated with coaching athletics. Orientation: theoretical and practical application.

PE P 315. Elementary School Physical Education
3 Credits (2+2P)
Methods for teaching physical education at the elementary level. Primary focus on creating a learning environment for the acquisition and enhancement of developmentally appropriate locomotor, manipulative, and nonmanipulative skills. Field experience included. Consent of instructor required. Restricted to SED/PE P majors.
Prerequisite(s): GPA of 2.5.

PE P 319. Lifetime Activities
2 Credits
Knowledge and skills related to the lifetime activities of swimming, weight training, and other fitness promoting activities with emphasis on learning progressions.
Prerequisite(s): PE P 208.

PE P 323. Racquet Sports
2 Credits
Knowledge and skills related to the racquet sports of tennis, badminton, and pickleball with emphasis on developmental strategies and skill performance that influences pedagogical content knowledge. Administrative issues will be addressed.

PE P 363. Theory and Technique of Lifelong Outdoor Leisure Activities
2 Credits
Knowledge and skills related to lifelong outdoor leisure activities, including the examination of environmental science and awareness, kinesiology, and fundamental motor skills.

PE P 392. Theory and Technique of Sports and Games
2 Credits
Knowledge and skills related to team sports and games, with emphasis on developmental strategies and skill performance that influence pedagogical content knowledge. Administrative issues will also be addressed.

PE P 393. Theory and Technique of Dance and Rhythms
2 Credits
Knowledge and skills related to dance and rhythms, with emphasis on the analysis of dance elements and its role in physical education.

PE P 394. Designing Student Centered Afterschool Physical Activity Clubs
3 Credits
Knowledge, skills and field based practical application for creating student centered and student designed after school physical activity clubs.

PE P 455. Adapted Physical Education
3 Credits
Selection and scope of corrective activities in posture and body mechanics, and the adaptation of movement activities for the exceptional student.
Prerequisite: junior or senior standing.

PE P 465. Senior Seminar
3 Credits
Capstone course for physical education. Graded S/U.
Prerequisite: senior standing.

PE P 466. Methods of Teaching Secondary Physical Education
6 Credits
Theoretical and practical applications of curriculum, pedagogy and assessment for teaching secondary physical education. Provides the students opportunities to develop curriculum, teach, and assess student learning through a supervised practicum in both middle and high school physical education settings. Consent of instructor required.
Prerequisite(s): PE P 315 and admittance to TEP required.

PE P 499. Problems
1-3 Credits (1-3)
Problems in physical education and recreation and independent work in their solutions. A maximum of 3 credits during any one semester. May be repeated up to 6 credits. Consent of Instructor required.
PE P 501. Special Topics
1-3 Credits (1-3)
Offered under various subtitles that indicate the subject matter. May be repeated for a maximum of 3 credits per semester and a total of 6 credits overall. May be repeated up to 6 credits.

PE P 504. Teaching Processes in Physical Education
3 Credits
Analysis of effective teaching and coaching. Systematic observation strategies will be employed to evaluate instructional variables such as feedback, climate, academic learning time, and styles of teaching.

PE P 515. Advanced Athletic Training Education
3 Credits
Advanced clinical experiences and education in athletic training. Assessment of Athletic Training Program clinical proficiencies as described by the National Athletic Trainers' Association Education Council. Consent of Instructor required.

PE P 550. Advanced Topics in Physical Education
1-4 Credits
Advanced study in teaching processes, perceptual motor development, bioenergetics, biomechanical instrumentation, psychological bases of performance, or motor control.

PE P 551. Sociology of Sports
3 Credits

PE P 555. Adapted Physical Education
3 Credits
Selection and scope of corrective activities in posture and body mechanics, and the adaptation of movement activities for the exceptional student. Same as PE P 455 with additional requirements for graduate credit.

Prerequisite: consent of instructor.

PE P 557. Adapted Physical Education: A Practitioner's Approach
3 Credits
Preparation for qualified physical education professionals to teach individuals with disabilities motor and fitness skills. Knowledge of the Adapted Physical Education National Standards is developed so students may become nationally certified in the field. The inclusion of disability sports into general physical education curriculum is also major emphasis of this course. Consent of Instructor required.

PE P 558. Adapted Physical Education National Standards (APENS) Professional Preparation
3 Credits
This distance education course is to prepare physical education teachers to pass the Certified Adapted Physical Education (CAPE) National Examination, which is based on the Adapted Physical Education National Standards (APENS). These standards were developed by professionals in the field to ensure that physical education instruction for students with disabilities is provided by qualified physical education teachers.

PE P 624. BODY IN CULTURE
3 Credits
This course will explore how people's health and physical activity experiences and choices are often shaped by cultural narratives and expectations of the male and female body. Designed for graduate students in allied health and physical activity professions

SP M 190. Introduction to Athletic Training
3 Credits
Introduction to the principles of athletic training.

SP M 191. Medical Terminology
3 Credits
Study of the structure of medical language with emphasis on sports medicine-related terminology. To include analysis and interpretation of medical documentation. Restricted to: Las Cruces campus only.

SP M 200. CAREER PREPARATION
1 Credit
From concept to implementation: Career exploration, setting up degree plans, finding graduate programs, developing professional resumes, writing letters of application, seeking letters of recommendation, and interview preparation. May be repeated up to 3 credits. Consent of Instructor required. Restricted to Las Cruces campus only.

SP M 223. Exploring Extreme Human Performance
3 Credits
A reading, writing and documentary based course studying human's quest and the related sacrifices associated with participating in extreme performance activities such as the Olympics, wakeboarding, snowboarding, military special forces, ultra-run events, marathons, etc. Consent of Instructor required. Restricted to Las Cruces campus only.

SP M 250. Emergency Response in Sports Medicine
2 Credits
Designed to provide knowledge and experience in emergency care procedures, blood borne pathogens, and first aid. Students will receive certification in CPR/AED for the Professional Rescuers and in First Aid, upon successful completion of course. May be repeated up to 2 credits. Restricted to Las Cruces campus only.

Prerequisite(s): Consent of Instructor.

SP M 271. Anatomy & Physiology I
3 Credits
Detailed study of the structure and function of the human musculoskeletal, cardiovascular, respiratory, and peripheral nervous systems. Designed specifically for students interested in allied health professions. Restricted to Las Cruces campus only.

SP M 271 L. Anatomy and Physiology Laboratory
1 Credit
Compliment to SP M 271. Students will engage in activities designed to enhance appreciation of the anatomical structures related to the content areas for SP M 271. Restricted to Las Cruces campus only.

SP M 272. Clinical Practicum I
2 Credits
Introduction to the clinical aspects of the athletic training education program. Must maintain at least 3.0 GPA. May be repeated up to 4 credits. Consent of Instructor required. Restricted to: SP M majors. Restricted to Las Cruces campus only.

SP M 273. Clinical Practicum II
3 Credits
Athletic training psycho-motor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M majors. Restricted to Las Cruces campus only.

SP M 275 L. A & P LAB PE/DANCE
1 Credit
Practical laboratory involving the kinematic and kinesthetic aspects of Human Anatomy and Physiology as it applied to Physical Education and Dance. Restricted to: Physical Education and Dance. Not acceptable for Kinesiology Majors majors. Restricted to Las Cruces campus only.

Prerequisite(s): SP M 271.
SP M 290. General Medical Conditions  
3 Credits  
Study of the recognition, evaluation, management, and treatment of non-orthopedic medical conditions that affect the physically active population. Consent of Instructor required. Restricted to: SP M and Kinesiology and Dance majors. Restricted to Las Cruces campus only.  
Prerequisite(s): SP M 190, 191 and 271/271L.

SP M 303. Health and Exercise Psychology  
3 Credits  
The course examines the reciprocal relationship among physical activity, exercise behavior, and psychological determinants associated with adopting and maintaining an exercise program. Topics include theories of behavioral change, exercise psychology interventions, the benefits/pitfalls of exercise, and psychological factors influencing patient rehabilitation.  
Prerequisite(s): GPA of 2.75.

SP M 304. Psychology of Sport  
3 Credits  
Development of coaching techniques to enhance sport performance based on understanding and use of psychological principles.  
Prerequisite(s): GPA of 2.75.

SP M 305. Applied Biomechanics  
3 Credits  
The application of anatomical, mechanical and electrical concepts to better understand the fundamental nature of human movement.  
Prerequisite(s): SP M 271 GPA of 2.75.

SP M 305 L. Applied Biomechanics Laboratory  
1 Credit  
This course serves to provide an introduction to the principles of motor development, early motor behavior, stage theory, and assessment. Field experiences will augment lecture and readings. May be repeated up to 3 credits. Consent of Instructor required.  
Prerequisite(s): SP M 271 and SP M 308 or consent of instructor.

SP M 307. Pathophysiology and Human Function(s)  
3 Credits  
Students will discuss basic concepts of pathophysiology such as inflammation & repair, infectious diseases, neoplasms, and diseases of specific physiological systems. In addition, students will discuss a variety of case studies, and in so doing will be able to relate pathophysiologic conditions to symptoms, activity restrictions and disability.  
Prerequisite(s): SP M 271; SP M 271L; SP M 308, GPA 2.75.

SP M 308. Exercise Physiology  
3 Credits (2+2P)  
Basic physiological principles as they apply to exercise and fitness programs. Laboratory experiences included. GPA of 2.75.  
Prerequisite(s): SP M 271 or PE P 208.

SP M 309. Neurophysiology and Human Function  
3 Credits  
Students will discuss neurological control of human movement. Topics will include central and peripheral nervous system functions, with particular emphasis given to somatosensory afferent and motor efferent control. In addition, students will develop an understanding of the techniques employed to assess neurologic function in various patient populations.  
Prerequisite(s): SP M 271; SP M 271L; SP M 308; and GPA of 2.75.

SP M 310. Orthopedic Examination, Evaluation and Diagnosis of Lower Extremity Injuries  
4 Credits  
Examines normal human anatomy, mechanisms of athletic injury, and deviation from normal anatomy following athletic injury to the lower extremity. Must maintain at least 3.0 GPA. Consent of Instructor required. Restricted to: SP M and KINES majors.

SP M 319. Lifetime Activities  
2 Credits  
Knowledge and skills with weight training, cardiovascular exercise, Tai Chi, Pilates, and other lifetime activities related to the promotion of health/fitness through a lifespan.

SP M 320 L. Palpation and Anatomical Kinesiology Laboratory  
2 Credits  
Practical hands-on clinical laboratory introducing techniques necessary for physiological and functional kinematic evaluation of human function. May be repeated up to 2 credits.  
Prerequisite(s): SP M 271, SP M 271L, GPA 2.75.

SP M 324. Introduction to Exercise Science: Exercise Physiology and Biomechanics  
3 Credits  
This course serves to provide a broad introduction to both the physiology of exercise and the mechanics of human movement. The conceptual framework of the course will allow for the development of a broad knowledge base regarding these concepts and the latter portions of the course will focus on real world application of the concepts. Consent of Instructor required.  
Prerequisite(s): SP M 271 Anatomy and Physiology I.

SP M 330. Exercise Testing and Prescription  
4 Credits  
This combined lecture and lab class introduces students to the scientific basis for and principles of exercise testing and prescription. The focus is on basic approaches to exercise testing and prescription for healthy adults, while application to some special populations with chronic disease will be discussed. GPA of 2.75.  
Prerequisite(s): SP M 271 and SP M 308 or consent of instructor.

SP M 341. Motor Development  
3 Credits  
Covers development of motor skills from infancy through maturity. Focus on the principles of motor development, early motor behavior, stage theory, and assessment. Field experiences will augment lecture and readings. May be repeated up to 3 credits. Consent of Instructor required.

SP M 342. Motor Learning  
3 Credits  
An examination of the theoretical foundations and related literature that underlie the learning, performing, and retention of motor skills with implications for effective teaching and coaching. May be repeated up to 3 credits.

SP M 371. Anatomy and Physiology II  
3 Credits  
Detailed study of the structure and function of the human endocrine, immune, digestive, reproductive, integumentary, central nervous and renal systems. Designed specifically for students interested in allied health professions. GPA of 2.75.  
Prerequisite(s): SP M 271G or consent of instructor.
SP M 371 L. Anatomy and Physiology II Lab
1 Credit
The students will develop skills in palpating various bony landmarks as well as origins and insertions of major soft tissues. In addition, problem based learning scenarios will be used to complement the SP M 371 lecture material and thereby further students understanding of certain physiologic systems including neural, digestive, reproductive, endocrine, and integumentary.
Prerequisite(s): SP M 271; SPM 271 L; GPA 2.75.

SP M 372. Clinical Practicum III
3 Credits
Athletic training psychomotor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M and KINES majors.

SP M 373. Clinical Practicum IV
3 Credits
Athletic training psychomotor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M majors.

SP M 375. Therapeutic Modalities
4 Credits
The physiological effects, indications, contraindications, dosage, and maintenance of therapeutic modalities related to the treatment of athletic or activity-related injuries. May be repeated up to 4 credits. Consent of Instructor required. Must maintain 2.75 GPA. Restricted to: SP M majors.
Prerequisite(s): Consent of Instructor, SP M 271.

SP M 409. Clinical Biomechanics
3 Credits
The application of biomechanical analysis of human movement as it relates to clinical proficiencies through the use of anatomical, mechanical and electrical concepts.
Prerequisite(s): SPM 271, GPA 3.0.
Corequisite(s): SP M 409 L.

SP M 409 L. Clinical Biomechanics Laboratory
1 Credit
Laboratory experiments and biomechanical analysis of human movement as they relate to clinical proficiencies through the use of anatomical, mechanical and electrical concepts.
Prerequisite(s): SP M 271, SP M 409, GPA 3.0.
Corequisite(s): SP M 409.

SP M 410. Orthopedic Examination, Evaluation and Diagnosis of Upper Extremity Injuries
4 Credits
Examines normal human anatomy, mechanisms of athletic injury, and deviation from normal anatomy following athletic injury to the upper extremity. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M and KINES majors.

SP M 411. Pharmacology in Athletic Training
2 Credits
An introduction to general medical conditions and pharmacological applications in the athletic training setting. Emphasis on the laws governing the development and distribution, indications, contraindications, precautions, and interactions of prescription and over-the-counter medications. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M and KINES majors.

SP M 412. Inferential Statistics in Sport and Exercise Science
3 Credits
Statistical concepts and methods basic to experimental research to include normal distribution, z-tests, t-tests, analysis of variance and regression analysis. An understanding of sport and exercise science theory is required for students enrolling in this course Restricted to: KIN,SP M majors.
Prerequisite(s): GPA of 2.75;or consent of instructor.

SP M 413. Statistical Application in Sports and Exercise Science
3 Credits
An introduction to descriptive statistics and the interpretation of data in the solution of problems in sport and exercise related research. GPA 2.75.
Prerequisite(s): Junior or senior standing.

SP M 415. Therapeutic Exercise
3 Credits
The physiological effects, indications, contraindications, dosage, and maintenance of therapeutic modalities related to the treatment of athletic or activity-related injuries. Must maintain a 3.0 GPA. Consent of Instructor required. Restricted to: SP M and KINES majors.

SP M 420. Orthopedic Examination, Evaluation and Diagnosis of Core, Spine and Head Injuries
3 Credits
Advanced clinical assessment techniques and applications. Must maintain at least a 3.0 GPA. Consent of Instructor required. Restricted to: SP M majors.

SP M 422. Clinical Practicum V
3 Credits
Athletic training psychomotor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Students might complete a general medical rotation with this course Consent of Instructor required. Restricted to: ATEP,SP M majors.

SP M 423. Clinical Practicum VI
3 Credits
Athletic training psycho-motor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Students might complete a general medical rotation with this course Consent of Instructor required. Restricted to: ATEP,SP M majors.

SP M 424. Clinical Practicum VII
3 Credits
Athletic training psychomotor skills are enhanced and assessed by a preceptor during clinical rotations. Emphasis is on competencies and proficiencies previously instructed in didactic courses. Students might complete a general medical rotation with this course Consent of Instructor required. Restricted to: SP M majors.

SP M 425. Organization and Administration in Athletic Training
3 Credits
An introduction to management, leadership, financial strategies, professional development and legal issues related to the athletic training setting. Must maintain 3.0 GPA. Consent of Instructor required. Restricted to: SP M majors.
SP M 445. Internship  
6,12 Credits (6,12P)  
A full-time internship in an approved wellness, fitness, athletic or 
recreation program with experience in all phases of management and 
operation. Field instructor supervision. This internship may require 
relocation to a site outside of the Las Cruces area. May be repeated up 
to 12 credits. Consent of Instructor required. Restricted to: Kinesiology 
Prerequisite(s): Senior standing, GPA of 2.75, completion of all major 
courses.  

SP M 451. Advanced Exercise Physiology  
3 Credits  
Detailed study of the integrated response of neuromuscular, 
cardiovascular, and respiratory systems to acute and chronic exercise, 
nutrition, and environmental conditions with a strong emphasis on 
laboratory experiences. GPA of 2.75.  
Prerequisite(s): SP M 271 and SP M 308 or consent of instructor.  

SP M 456. Exercise for Special Populations  
3 Credits  
Fundamentals of kinesiology adapted for adults with various diseases 
and disabilities. Focus will be on the application of exercise assessment 
and prescription for selected conditions.  
Prerequisite(s): SP M 308 and SP M 330; GPA of 2.75.  

SP M 458. Physical Dimensions of Aging  
3 Credits  
This course introduces students to physical, physiological, social, mental, 
and emotional aspects of human aging. Age-related changes in human 
function are discussed in the context of applied healthcare settings, 
and the implications for appropriate physical activity and functional 
independence. GPA of 2.75.  
Prerequisite(s): SP M 308.  

SP M 460. Principles of Strength and Conditioning  
3 Credits  
Application of research, theory, and methods of high-intensity, resistive 
overload training. Performance-specific topics include management, 
nutrition. GPA of 2.75.  
Prerequisite(s): SP M 308.  

SP M 460 L. Principles of Strength and Conditioning Laboratory  
1 Credit  
An applied examination of the theory, principles, rules and regulations 
associated with various strength and conditioning exercises to include 
but not limited to Olympic lifting, powerlifting, bodybuilding, plyometrics, 
speed, agility and speed-endurance development. Lab required for 
Kinesiology majors. GPA of 2.75.  
Prerequisite(s): SP M 308.  

SP M 465. Ethics and Legal Issues in Athletic Training  
3 Credits  
Examination of the legal and ethical issues associated with the practice 
of athletic training and other health care fields. Must maintain a 3.0 
GPA. May be repeated up to 3 credits. Consent of Instructor required. 
Restricted to: SP M majors.  

SP M 498. Advanced Athletic Training I  
1-3 Credits (1-3)  
Advanced clinical experiences and education in athletic training. 
Assessment of Athletic Training Program clinical proficiencies as 
described by the National Athletic Trainer’s Association Education 
Council. Consent of Instructor required.  

SP M 499. Problems  
1-3 Credits  
Problems in athletic training and independent work in their solutions. May 
be repeated up to 3 credits. Consent of Instructor required.  
Prerequisite(s): Junior or Senior status; Consent of ATEP director.  

SP M 504. Psychology of Sport  
3 Credits  
Development of coaching techniques to enhance sport performance 
based on understanding and use of psychological principles. Same as 
SP M 304 with additional requirements for graduate credits. Consent of 
Instructor required.  
Prerequisite(s): Consent of instructor.  

SP M 508. Applied Biomechanics  
3 Credits  
The application of anatomical, mechanical and electrical concepts to 
better understand the fundamental nature of human movement. Same as 
SP M 305 with additional requirements for graduate credits Consent of 
Instructor required.  
Prerequisite(s): Consent of instructor.  

SP M 509. Clinical Biomechanics  
3 Credits  
The application biomechanical analysis of human movement as it relates 
to clinical proficiencies through the use of anatomical, mechanical and 
electrical concepts. Same as SP M 409 with additional requirements for 
graduate credits Consent of Instructor required.  
Prerequisite(s): Consent of instructor.  

SP M 510. Graduate Athletic Training Seminar I  
1-3 Credits (1-3)  
Advanced seminar topics in athletic training. Students will explore 
generalized topics within the field of athletic training under the direct 
supervision of a Commission on Accreditation of Athletic Training 
Education (CAATE) accredited Athletic Training Program. Students 
may engage in teaching and research opportunities in unique areas. 
Students may explore athletic training topics within the classroom or 
independently through designated resources Consent of Instructor required.  

SP M 511. Graduate Athletic Training I  
1-3 Credits (1-3)  
Advanced clinical experiences and education in athletic training. 
Students will examine topics in athletic training in conjunction with 
faculty members within the Commission on the Accreditation of Athletic 
Training Education (CAATE) Athletic Training Program at New Mexico 
State University. Assessment of Athletic Training Program clinical 
proficiencies as described by the National Athletic Trainers’ Association 
Education Council. Consent of Instructor required.  

SP M 512. Inferential Statistics in Sports and Exercise Science  
3 Credits  
Statistical concepts and methods basic to experiential research to 
include normal distribution, z-tests, t-tests, analysis of variance and 
regression analysis. An understanding of sport and exercise science 
theory is required for students enrolling in this course. Same as SP M 412 
with additional requirements for graduate credit Consent of Instructor required.  
Prerequisite(s): Consent of Instructor.
SP M 513. Graduate Athletic Training Seminar II  
1-3 Credits (1-3)  
Advanced seminar topics in athletic training. Students will explore more specialized topics within the field of athletic training under the direct supervision of a Commission on Accreditation of Athletic Training Education (CAATE) accredited Athletic Training Program. Students should be prepared to further explore topics previously covered in SP M 512 (Graduate Athletic Training Seminar I). Students may engage in teaching and research opportunities in unique areas. Students may explore athletic training topics within the classroom or independently through designated resources. Consent of Instructor required.

SP M 514. Graduate Athletic Training Research I  
1-3 Credits (1-3)  
Advanced research topics in athletic training. Students will explore research and evidence based practices within the field of athletic training. Students will work under the direct supervision of a Commission on Accreditation of Athletic Training Education (CAATE) accredited Athletic Training Program faculty member. Students should be prepared to further explore research topics within a specific discipline with the intent of disseminating and sharing information with the athletic training community. Topics previously covered in SP M 512 (Graduate Athletic Training Seminar I). Students may engage in teaching and research opportunities in unique areas. Consent of Instructor required.

SP M 515. Graduate Athletic Training II  
3 Credits  
Advanced clinical experiences and education in athletic training. Assessment of Athletic Training Program clinical proficiencies as described by the National Athletic Trainers' Association Education Council. Consent of Instructor required.

SP M 545. Skill Acquisition and Performance  
3 Credits  
Behavioral and physiological examination factors that influence the acquisition and performance of motor skills. May be repeated up to 3 credits. Consent of Instructor required. Crosslisted with: SP M 342.

SP M 551. Advanced Exercise Physiology  
3 Credits  
Detailed study of the integrated response of neuromuscular, cardiovascular and respiratory systems to acute and chronic exercise, nutrition and environmental conditions with a strong emphasis on laboratory experience. Consent of Instructor required.

SP M 556. Exercise for Special Populations  
3 Credits  
Fundamentals of kinesiology adapted for adults with various diseases and disabilities. Focus will be on the application of exercise assessment and prescription for selected conditions. Taught with PE P 456 with additional work required at the graduate level. Consent of Instructor required.

SP M 558. Physical Dimensions of Aging  
3 Credits  
This course introduces graduate students to physical, physiological, social, mental, and emotional aspects of human aging. Age-related changes in human function are discussed in the context of applied healthcare settings, and the implications for appropriate physical activity and functional independence. Graduate students in this course are expected to participate in organizing and leading some of the class discussions and assisting in the identification of appropriate materials for the course. Consent of Instructor required.

SP M 560. Principles of Strength and Conditioning  
3 Credits  
Application of research, theory, and methods of high-intensity, resistance training. Performance-specific topics include management, nutrition, exercise prescription, periodization, lifting techniques, testing, and evaluation. Course will emphasize standards set forth by the National Strength and Conditioning Association preparing students interested in sitting for the NSCA certification examinations. Consent of Instructor required.

SP M 597. Project  
1-12 Credits (1-12)  
Selected projects for doctoral students. May be repeated up to 12 credits. Consent of Instructor required.

SP M 600. Kinesiology Research  
1-3 Credits (1-3)  
Research to be conducted under the direction of a Kinesiology faculty member. May be repeated up to 15 credits. Consent of Instructor required.

SP M 608. Cardiovascular Physiology  
3 Credits  
This graduate level course provides an in-depth study of cardiovascular structure and function. The course assumes that students have a strong background in human physiology. Topics include, but are not limited to: cellular structure of the heart and vascular system; cardiac function, including electrophysiology of the heart; vascular function; neurohumoral control of the heart and circulation, organ blood flow, exchange function of the microcirculation; the impact of common cardiovascular diseases on cardiovascular structure and function, and cardiovascular adaptations to chronic exercise.

SP M 660. Designing Resistance Training Program  
3 Credits  
Detailed study of the physiological concepts associated with designing resistance-training programs for children, women, seniors, athletic performance and rehabilitation.

SP M 665. Skeletal Muscle: Structure and Function  
3 Credits  
Basic muscle morphology and physiology with molecular and cellular adaptations in skeletal muscle as consequences to varying exercise regimens

SP M 700. Doctoral Dissertation  
1-18 Credits (1-18)  
Doctoral Dissertation hours to be conducted under the direction of a Kinesiology Faculty. May be repeated up to 18 credits. Consent of Instructor required. Thesis/Dissertation Grading.

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