

Kinesiology Courses

Courses

KIN 5178. Directed Individual Studies.

Directed Individual Studies (0-0-1) Individual investigation of specific topics of interest. May be repeated for credit.

1 Credit Hour

1 Total Contact Hour

0 Lab Hour

0 Lecture Hour

1 Other Hour

KIN 5361. Biomechanical Basis of Sport.

Biomechanical Basis of Sport (3-0) Advanced level kinesiological, mechanical, and physiological aspects as a basis for physical education.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (KIN 4313 w/D or better)

KIN 5362. Admin & Suprv of PE Programs.

Administration and Supervision of Physical Education Programs (3-0) The application of administration and supervisory techniques in physical activity programs.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5363. Socio Fdns-Phys Activity/Sport.

Sociological Foundations of Physical Activity and Sports (3-0) Socio-psychological processes, principles, and factors affecting the behavior of humans in physical activity and sport. Investigation of current socio-psychological problems with implications for physical education and athletic coaching.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5364. Advanced Topics in Kinesiology.

Advanced Topics in Kinesiology (3-0) Course focuses on advanced topics and/or current issues in Kinesiology. May be repeated for credit.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5365. Programs of Physical Activity.

Programs of Physical Activity (3-0) Factors affecting the selection of physical activity participation in various settings and cultural environments.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5367. Effective Instruction in P.E..

Effective Instruction in Physical Education (3-0) This course focuses on effective teaching and learning strategies in physical education. Students gain experience in a range of teaching styles as well as skills in systematic observation techniques for analyzing and improving teaching.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5368. Coronary Intervention.

Coronary Intervention (2-3) The primary focus of this course is in electrocardiographic interpretation and exercise stress testing of at risk populations. Additional discussion topics include the anatomy and physiology of the cardiovascular system, electrophysiology, pathology of cardiovascular disease, risk factor analysis, prevention programs, and cardiac rehabilitation programs.

3 Credit Hours

5 Total Contact Hours

3 Lab Hours

2 Lecture Hours

0 Other Hours

KIN 5369. Phys Activities-Young Children.

Physical Activities For Young Children (3-0) A study of the various physical activities pursued by young children ages 4 to 11 along with the contribution made by each to physical development.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5370. Practicum in Exercise Science.

Practicum in Exercise Science (0-0-6) Assignment to professionals in the field of exercise or therapy in the community for a minimum of 90 clock hours. A daily log of experience will be required.

3 Credit Hours

6 Total Contact Hours

0 Lab Hours

0 Lecture Hours

6 Other Hours

KIN 5371. Measure Tech in Exer Physiolog.

Measurement Techniques in Exercise Physiology (3-0) Techniques and equipment used in assessing strength, cardiorespiratory efficiency and other components of physical fitness.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5372. Advanced Exercise Physiology.

Advanced Exercise Physiology (3-0) Advanced study of the physiological adaptations that occur in response to acute and chronic exercise. Examination of these changes as they affect training, performance, and health.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5373. Motor Learning and Control.

Motor Learning and Control (3-0) Current theories and concepts involved in the processes of motor skill acquisition and performance from a behavioral perspective. Major topics include the methodology of studying motor performance, information processing, sensory and central contributions to motor control, coordination, individual differences, conditions of practice, feedback, retention and transfer and the learning process. Practical application of principles is emphasized.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5374. Measure Tech in Biomech Analys.

Measurement Techniques in Biomechanical Analysis (3-0) An in-depth study of the methods used in the biomechanics laboratory. Topics include techniques related to cinematography, video analysis, force transducers, data filtering and collection of human body characteristics.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5375. Adv. Sci. Prin. Str. & Cond..

Advanced Scientific Principles in Strength Training and Conditioning (3-0) Advanced concepts and theory related to maximizing human performance. Analysis of the conceptual, theoretical, and technical considerations of assessing, designing, and implementing strength training and conditioning programs with particular focus on analyzing and applying contemporary periodization concepts.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5377. Grad Seminar in Current Issues.

Graduate Seminar in Current Issues (3-0) Discussion and presentation of pertinent and current issues in the areas of physical education, exercise science and sport. May not be taken more than one time.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5378. Directed Individual Studies.

Directed Individual Studies (0-0-3) Individual investigation of specific topics of interest. May be repeated for credit.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

KIN 5379. Graduate Research.

Graduate Research (0-0-3) Department approved research in special areas of student or faculty interest.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

KIN 5380. Qualitative Anal./Human Mvmt..

Qualitative Analysis of Human Movement (3-0) An integrated approach to qualitative analysis of human movement: students will improve their ability to observe movement, detect errors, and diagnose individual situations to help students, athletes, clients, or patients move more effectively, efficiently, and safely.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

KIN 5397. Graduate Projects.

Graduate Projects (0-0-3) Individual research or development of a project/proposal under the direct supervision of a graduate faculty member. Requires satisfactory completion of the course, including a written report and oral presentation.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

KIN 5398. Thesis.

Thesis (0-0-3) Initial work on the thesis.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

KIN 5399. Thesis.

Thesis (0-0-3) Continuous enrollment required while work on the thesis continues.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

Prerequisite(s): (KIN 5398 w/P or better)