KIN 501 Research Methods in Kinesiology 3 Hours
An examination of the methods, materials, techniques, and planning of research studies used and conducted in the various disciplines of kinesiology. (To be taken in the first term of enrollment.)
Recent Term(s) Offered: fall 2016; fall 2017; fall 2018

KIN 503 Advanced Motor Learning and Control 3 Hours
Theories and principles of learning as they apply to the acquisition of gross motor skills. Emphasizes the interpretation and practical application of experimental data.
Recent Term(s) Offered: spring 2016; summer 2016; summer 2017; fall 2018

KIN 504 Advanced Exercise Physiology 3 Hours
A comprehensive study of the acute responses and chronic adaptations resulting from exercise or other stressors on the physiological function of the human body. Particular attention will be given to applied learning, as well as to review and critique current research.
Recent Term(s) Offered: fall 2016; fall 2017; fall 2018

KIN 505 Foundations of Curriculum Construction 3 Hours
Principles, procedures, and criteria for curriculum construction and revision, course building, and lesson planning.
Recent Term(s) Offered: spring 2016; summer 2016; fall 2016; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

KIN 508 Adaptive Physical Education 3 Hours
In-depth study of instruction of disabled children in mainstream and/or special physical education classes. Knowledge and skills necessary to assess, plan intervention, and instruct mild, moderate, severely/profoundly disabled children in physical education.
Recent Term(s) Offered: spring 2016; summer 2016; fall 2016; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

KIN 509 Sport in Multicultural Society 3 Hours
An examination/understanding of the role of sport in America, its impact on the social structure and the leadership behaviors needed to ensure that the societal impact of sport is congruent with traditional American values.
Recent Term(s) Offered: None

KIN 512 Advanced Strength & Conditioning 3 Hours
Designed to develop advanced knowledge of strength and conditioning principles and practices. The aim of the course is to understand the process behind development, implementation, and evaluation of strength and conditioning programs for elite, collegiate, high school, and/or recreational athletic populations. The course will include professional writing and a hands-on learning component with professionals in the field of strength & conditioning.
Recent Term(s) Offered: spring 2018

KIN 513 Coaching Theory 3 Hours
The theory and analysis of leadership behavior in interscholastic athletics with an emphasis on developing leadership knowledge, personal behavior qualities and job related skills applicable in diverse interscholastic athletic settings.
Recent Term(s) Offered: None

KIN 514 Lab Methods in Exercise Physiology 3 Hours
Theory and application of laboratory techniques germane to research in Exercise Physiology. Includes musculoskeletal, cardiovascular, metabolic, and human performance testing.
Recent Term(s) Offered: spring 2016; spring 2017; spring 2018

KIN 515 Advanced Measurement and Evaluation 3 Hours
Study and application of assessment tools and statistical techniques commonly used in kinesiology research. Includes regression modeling, single and multi-factor analysis of variance, and repeated measures designs.
Recent Term(s) Offered: fall 2016

KIN 516 Administrative Practice in KRS 3 Hours
Provide useful information and techniques related to the administration of physical education programs in both school and other settings. Students will focus on leadership that enhances the organization, management, planning and implanting programs and facilities.
Recent Term(s) Offered: None

KIN 518 Advanced Statistics in Kinesiology 3 Hours
Study and application of statistical techniques commonly used in kinesiology research. Includes regression modeling, single and multifactor analysis of variance, and repeated measures designs.
Restriction(s): Enrollment is limited to students in Kinesiology (0454)
Recent Term(s) Offered: spring 2016; spring 2017; fall 2017; fall 2018

KIN 520 Teaching Strategies in Physical Education 3 Hours
Study and application of teaching strategies utilized in the elementary and secondary physical education setting.
Recent Term(s) Offered: spring 2016; summer 2016; fall 2016; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

KIN 521 Analysis and Criticism of Professional Literature in Physical Education 3 Hours
Analysis and critical evaluation of professional literature in the field of physical education and exercise science.
Recent Term(s) Offered: None

KIN 522 Advanced Exercise Testing and Prescription 3 Hours
Focuses on the use of exercise in the treatment and diagnosis of various major disease states. Provides the student with an advanced understanding of electrocardiogram (ECG) monitoring, interpretation, graded exercise testing, blood pressure measurement, interviewing skills, screening, risk stratification, and pharmacology. Emphasizes exercise prescription for clinical populations, such as those with endocrinological/metabolic disorders, cardiovascular disease, respiratory disease, and neuromuscular disorders.
Recent Term(s) Offered: spring 2016; spring 2017; spring 2018

KIN 523 Seminar in Exercise Physiology 3 Hours
Advanced study of contemporary knowledge and current professional research centering on various selected topics to the field of exercise science.
Recent Term(s) Offered: fall 2016; fall 2017; fall 2018

KIN 524 Applied Biomechanics 3 Hours
Advanced study of the mechanical, neuromuscular, and anatomical bases of human movement.
Recent Term(s) Offered: fall 2016; fall 2017; fall 2018
KIN 525  Fitness Management  3 Hours
The course will provide content addressing the current industry standards
and guidelines for operating private, corporate and clinical fitness
facilities and fitness management scenarios and case studies will be
used to apply the course content to the field setting.
Restriction(s): Enrollment is limited to students in Kinesiology (0454)
Recent Term(s) Offered: None

KIN 528  Dynamics of Injury Management  3 Hours
Integrates the knowledge, skills and values that Certified Athletic
Trainers must possess to evaluate and treat athletic injuries and refer to
appropriate medical personnel.
Restriction(s): Enrollment is limited to students in Recreation and Sport
Admin (095)
Recent Term(s) Offered: spring 2016

KIN 530  Independent Investigation in Kinesiology  1-3 Hours
(repeatable max of 3 hrs)
Research problems or projects in the scientific, organizational,
administrative, or supervisory areas of kinesiology.
Recent Term(s) Offered: summer 2016; spring 2017; summer 2017; summer
2018

KIN 596  Internship in Exercise Physiology  1-6 Hours (repeatable max
of 6 hrs)
Work and/or laboratory experience in Exercise Physiology practical
settings in progression towards completion of the graduate program.
Liability insurance is required.
Recent Term(s) Offered: None

KIN 598  Capstone Research Experience in Exercise Physiology  1-6
Hours (repeatable max of 6 hrs)
Designed for non-thesis students in the master’s program in kinesiology
to gain appropriate research experience prior to completing the program.
Taken in the final semester of the program.
Restriction(s): Enrollment is limited to students in Kinesiology (0454)
Recent Term(s) Offered: spring 2016; fall 2016; spring 2017; spring 2018; fall
2018

KIN 599  Thesis Research/Writing  1-6 Hours (repeatable max of 6 hrs)
The master’s thesis is to be directed by a member of the Graduate Faculty
of the Department. (Each semester)
Recent Term(s) Offered: spring 2016; fall 2016; spring 2017; fall 2017; spring
2018; fall 2018

KIN 600  Maintain Matriculation  1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2016; summer 2016; spring 2017; spring 2018;
summer 2018; fall 2018