

Kinesiology and Public Health Education

M.S. in Kinesiology (<http://und-public.courseleaf.com/graduateacademicinformation/departmentalcoursesprograms/kinesiologyandpublichealtheducation/kin-ms>)

Courses

KIN 501. Introduction to Research in Kinesiology. 4 Credits.

The study of quantitative and qualitative research methods used in the field of kinesiology.

KIN 502. Evaluation in Kinesiology. 3 Credits.

The course will deal with the determination of standards for human performance in kinesiology, and the principles to apply these standards for exercise prescription.

KIN 511. Theory and Practice in Administration. 2 Credits.

A study of the knowledge, skills and insights as they relate to planning, management and leadership necessary for effective administration of programs. Prerequisite: KIN 341 or consent of instructor.

KIN 512. Theory and Practice in Sports Administration. 2 Credits.

Problems, policies and facilities in athletic departments with emphasis at the secondary level. Public relations problems met and problems of interrelationships with the general curriculum.

KIN 513. Supervision of Teaching and Coaching in Sports and Fitness Education. 3 Credits.

The study of the knowledge and skills necessary to supervise teaching and coaching in sport and fitness education. Prerequisite: KIN 521 or consent of instructor.

KIN 514. Theory and Practice in Intramural Sports Administration. 2 Credits.

Study of the basic ingredients required to administer a successful intramural program.

KIN 520. Curriculum Development for Physical Education. 3 Credits.

A study of processes for planning, implementing, and evaluating curriculum in physical education.

KIN 521. Analysis of Teaching and Coaching. 3 Credits.

A review of the knowledge and skills for instruction of physical activity and sports, with practical applications to teaching and coaching.

KIN 523. Historical and Philosophical Foundations. 2 Credits.

Educational justification of various phases of the kinesiology based on historical and philosophical evidence.

KIN 524. Adapted Activities. 3 Credits.

Theory and practice of modified activities adapted to needs, capacities and abilities of the atypical child. Prerequisite: KIN 404 or consent of instructor.

KIN 525. Motor Development. 3 Credits.

Study of age-related performance changes across the life span. Emphasis will be on physical and mental change as they affect motor skill acquisition and performance. Prerequisite: KIN 276 or KIN 355 or consent of instructor.

KIN 526. Introduction to Kinesiology Statistics. 3 Credits.

Understanding, interpreting, and reporting results of basic statistical analyses (descriptive and inferential, up to and including factorial and repeated measures ANOVAs) used in kinesiology research. Prerequisite: Kinesiology major or consent of instructor.

KIN 529. Exercise Psychology. 3 Credits.

A research-based study of the psychological aspects that are associated with participation in exercise/physical activity. Prerequisite: KIN 440 or consent of instructor.

KIN 530. Sports Biomechanics. 4 Credits.

The application of principles of mechanics to the study of human motion. Prerequisite: KIN 332 or consent of instructor.

KIN 531. Sport Psychology. 3 Credits.

A research-based study of the psychological aspects associated with participation in sport. Prerequisite: KIN 440 or consent of instructor.

KIN 532. Strength and Power Testing Techniques and Programming. 3 Credits.

Focuses on laboratory and field tests common in strength and power assessment. Prerequisite: KIN 402. F.

KIN 533. Motor Learning and Control. 3 Credits.

Study of the acquisition and control of human motor skill. Prerequisite: KIN 276 or equivalent or consent of instructor.

KIN 534. Sport Sociology. 3 Credits.

This course is designed to examine various sociological factors in American society and their relationship to the sport experience. Prerequisite: KIN 401 or consent of instructor.

KIN 535. Advanced Exercise Physiology I. 3 Credits.

The focus of this course is on the mechanisms which affect the cardiovascular and pulmonary system responses at rest, during and after exercise. Prerequisites: KIN 402 or equivalent and consent of instructor.

KIN 536. Bioenergetics and Skeletal Muscle Function. 3 Credits.

Focuses on acute and chronic muscle function, energy metabolism, and regulatory process of skeletal muscle and muscle cell function during rest, during exercise and during recovery. Prerequisites: KIN 402 or equivalent, and consent of instructor. F.

KIN 537. Applied Sport Psychology. 3 Credits.

A study of psychological skill training programs for use with team and individual sports athletes. Prerequisite: KIN 440 or consent of instructor.

KIN 538. Exercise in Health and Disease. 3 Credits.

The role of exercise in the prevention and rehabilitation of individuals in various disease states (e.g., atherosclerosis, chronic obstructive lung disease, hypertension, diabetes, osteoporosis, obesity, and others) and health states (e.g., aging and pregnancy). This is a lecture course. Prerequisite: KIN 535 or consent of the instructor.

KIN 539. Ex Phys Lab: Anthropometry and Body Composition. 3 Credits.

Designed to develop practical and hands-on skills in anthropometry (the science of measuring body size, shape and composition) for apparently healthy individuals of all ages. Prerequisite: Consent of instructor. S.

KIN 540. Teaching Lifetime Fitness. 3 Credits.

A study of the philosophical, disciplinary, and professional considerations that are necessary for the optimal planning and execution of lifetime fitness/wellness education programs in public schools and allied settings.

KIN 541. Exercise Program Design. 3 Credits.

Focuses on designing scientifically sound aerobic, strength and conditioning, and resistance training programs for healthy adults. Intended for students planning on coaching, strength conditioning coaching, personal training, corporate fitness, exercise physiology, law enforcement, military, athletic training, or the allied health professions (physical therapy, etc.). S.

KIN 555. Special Topics in Kinesiology. 1-4 Credits.

Investigation of special topics in the study of kinesiology not included in current departmental course offerings. Repeatable when topics differ. Repeatable.

KIN 560. Seminar in Kinesiology. 1 Credit.

Presentations of current topics based on reviews of literature. Repeatable to 4 credits. Prerequisite: Consent of instructor. Repeatable to 4 credits. S/U grading.

KIN 561. Critical Synthesis and Analysis in Kinesiology. 2 Credits.

This course is designed to provide the student with the opportunity to critically analyze and synthesize selected topics in kinesiology. Prerequisite: 20 hours of graduate credit.

KIN 585. Internship in Kinesiology. 3-6 Credits.

Professional experience and skill development through supervised placement at an approved work site (or other program) relevant to the course of study. Repeatable to 6 credits. Prerequisites: Appropriate foundational and major area coursework and consent of advisor and on-site supervisor. Repeatable to 6 credits.

KIN 590. Individual Research in Kinesiology. 1-4 Credits.

Library, laboratory or field research of an approved project in Kinesiology. Repeatable to 4 credits. Prerequisites: KIN 501 and consent of the student's faculty advisor. Repeatable to 4 credits.

KIN 592. Directed Readings in Kinesiology. 2-3 Credits.

Extensive readings to cover a student's area of specialization and interest; written reports are required (may be repeated to a total of six credits). Prerequisites: KIN 501 and consent of the student's faculty advisor. Repeatable to 6 credits.

KIN 996. Continuing Enrollment. 1-12 Credits.

Repeatable. S/U grading.

KIN 997. Independent Study. 2 Credits.

KIN 998. Thesis. 1-9 Credits.

Minimum of 4 credits for thesis option. Repeatable to 9 credits. F,S,SS.