

KINESIOLOGY (KIN)

Visit the [Course Schedule Search website](#) to find out when courses will be offered during the academic year.

Read more about the courses within this subject prefix in the descriptions provided below.

KIN 501 - First Aid: Responding to Emergencies

Credits: 1

Covers the American Heart Association HeartSaver First Aid/CPR/AED: Adult, Child, Infant curriculum, the National Association of EMTs Bleeding Control for the Injured (BCon) curriculum which meets the Department of Homeland Security's Stop the Bleed initiative, and training for civilian responses to critical incidents.

Repeat Rule: May be repeated for a maximum of 2 credits.

Grade Mode: Credit/Fail Grading

Special Fee: Yes

KIN 505 - Activity, Injuries and Disease

Credits: 4

Sports and exercise are a part of American society and are used as entertainment, leisure activity as well as a means to better health. Unfortunately while we partake in these activities few individuals are aware of the risks they are exposing themselves to. In addition as more women engage in sports and exercise medical science is realizing that many conditions and injuries are gender specific. It is well known that women athletes deal with reproductive, orthopedic and nutritional issues that differ greatly from men. Also we know that individuals with varying diseases benefit greatly from exercise. This course will join, musculoskeletal anatomy, injuries, gender and special problems together to explain how an individual can enjoy activities safely. In addition this course addresses the interpretation of current medical literature and how to utilize new information.

Attributes: Biological Science(Discovery)

Grade Mode: Letter Grading

Special Fee: Yes

KIN 585 - Emergency Medical Responder

Credits: 4

Standards of practice that conform to the content of the US Department of Transportation curriculum for Emergency Medical Responder (EMR). Initial evaluation and stabilization of patients at the scene of medical emergencies, CPR, and other basic medical care for illness and injury. Prepares the student for the National Registry of EMT(NREMT)EMRcertifications exams. (Note: this is a different level of certification than Emergency Medical Technician (EMT). KIN 684 and KIN 685 prepares students for EMTcertification).

Co-requisite: KIN 585L

Grade Mode: Letter Grading

KIN 585L - Emergency Medical Responder Lab

Credits: 1

Standards of practice that conform to the content of the US Department of Transportation curriculum for Emergency Medical Responder (EMR). Initial evaluation and stabilization of patients at the scene of medical emergencies, CPR, and other basic medical care for illness and injury. Prepares the student for the National Registry of EMT(NREMT)EMRcertifications exams. (Note: this is a different level of certification than Emergency Medical Technician (EMT). KIN 684 and KIN 685 prepares students for EMTcertification).

Co-requisite: KIN 585

Grade Mode: Letter Grading

Special Fee: Yes

KIN 652 - Clinical Kinesiology

Credits: 4

The science of human movement from biomechanical, neuromuscular, and anatomical perspectives; human muscular, joint, and connective tissue anatomy; and actions of skeletal muscles are detailed.

Prerequisite(s): BMS 507 with a minimum grade of D- and BMS 508 with a minimum grade of D-.

Grade Mode: Letter Grading

KIN 653A - Musculoskeletal Assessment

Credits: 2

Principles and methodology of joint range of motion, body mechanics, and muscle strength evaluation. Uses muscle palpation, goniometry, manual muscle testing, hand-held dynamometry to facilitate understanding of musculoskeletal anatomy and assessment.

Prerequisite(s): BMS 507 with a minimum grade of D- and BMS 508 with a minimum grade of D-.

Grade Mode: Letter Grading

Special Fee: Yes

KIN 668 - Ergogenic Aids in Sports

Credits: 2

In sports, faster, higher, stronger, longer, and better is what everyone wants. Athletes and coaches seek out sports ergogenics that will give them a training and performance advantage over their competition. This course introduces the use of sports ergogenics and their use in athletic competition.

Equivalent(s): AT 668

Grade Mode: Letter Grading

KIN 684 - Emergency Medical Care: Emergency Medical Technician (EMT)

Credits: 4

Based on the curriculum established by the U.S. Department of Transportation for Emergency Medical Technician, and authorized by the State of New Hampshire-Bureau of Emergency Medical Services (EMS). Topics covered include trauma; medical, environmental and psychiatric emergencies; childbirth; hazardous materials; and infection control procedures. Students participate in clinical observations in one of the region's hospital emergency departments. Students have the option to take the state of NH-EMS Practical Examination and the National Registry Written Examination for EMT. Passage of both these examinations leads to national certification as an EMT.

Co-requisite: KIN 685

Prerequisite(s): ANSC 511 (may be taken concurrently) with a minimum grade of D- or ANSC 512 (may be taken concurrently) with a minimum grade of D- or ZOOL 401 (may be taken concurrently) with a minimum grade of D- or BMS 507 (may be taken concurrently) with a minimum grade of D- or BMS 508 (may be taken concurrently) with a minimum grade of D-.

Grade Mode: Letter Grading

KIN 685 - Emergency Medical Care: EMT Lab**Credits:** 2

Basic emergency health care, including trauma patients, medical and environmental emergencies, and childbirth. Includes clinical experience with a local hospital and ambulance service. Prepares the student for the National Registry of EMT's Examination.

Co-requisite: KIN 684

Prerequisite(s): (ANSC 511 (may be taken concurrently) with a minimum grade of D- and ANSC 512 (may be taken concurrently) with a minimum grade of D-) or ZOOL 401 (may be taken concurrently) with a minimum grade of D- or (BMS 507 (may be taken concurrently) with a minimum grade of D- and BMS 508 (may be taken concurrently) with a minimum grade of D-) or ZOOL 401 with a minimum grade of D-.

Grade Mode: Letter Grading**Special Fee:** Yes**KIN 693 - Teaching Assistantship****Credits:** 2

A) Physical Education Pedagogy; B) Exercise Leader; C) Outdoor Education; D) Science Labs; E) Cardiac Rehabilitation; F) Coaching.

Students serve as teaching assistants in assigned class activities.

Assignments to be made by the class instructor may include teaching assistants' and administrative duties. May take two different sections.

Repeat Rule: May be repeated for a maximum of 4 credits.

Grade Mode: Credit/Fail Grading**KIN 696 - Independent Study****Credits:** 2-4

An advanced, individual scholarly project under the direct supervision of a faculty member.

Repeat Rule: May be repeated for a maximum of 8 credits.

Grade Mode: Letter Grading**Special Fee:** Yes**KIN 696W - Independent Study****Credits:** 2-4

An advanced, writing-intensive, individual scholarly project under the direct supervision of a faculty member. Student and Faculty Adviser will prepare a written proposal that outlines: the questions to be pursued, the methods of investigation, the student's qualifications to conduct the research, the nature of the finished written product (e.g. case study, position paper, extended lab report). This proposal must be approved by major faculty and the department chair prior to the student's registration for KIN 696 WI. All KIN 696 WI projects must include: Some forms of informal, ungraded writing such as a journal, reading summaries, draft chapters, or invention activities. Regular writing interaction between student and faculty adviser (i.e. at least weekly or biweekly), to include written feedback from the adviser. A finished product that is polished via revision. Faculty sponsors and students should consult the resources and guidelines of the UNH Writing Program.

Attributes: Writing Intensive Course

Repeat Rule: May be repeated for a maximum of 8 credits.

Grade Mode: Letter Grading**Special Fee:** Yes**KIN 706 - Neurology****Credits:** 4

Development, morphology, internal configuration, physiology, histology, function, and pathology of the human nervous system.

Co-requisite: KIN 707

Prerequisite(s): BMS 507 with a minimum grade of D- and BMS 508 with a minimum grade of D-.

Grade Mode: Letter Grading**KIN 707 - Neurology Lab****Credits:** 2

Basic histology, neuroanatomy and neurophysiology of the human nervous system. Use of brain specimens, videos and pathology case studies to elucidate cell structure, sensory and motor systems, and spinal cord, brainstem and cortical organization and anatomy.

Co-requisite: KIN 706

Prerequisite(s): (BMS 507 with a minimum grade of D- and BMS 508 with a minimum grade of D-) or COMM 521 with a minimum grade of D-.

Grade Mode: Credit/Fail Grading**Special Fee:** Yes**KIN 770W - Research Methods in Kinesiology****Credits:** 4

The focus of this course will be the process of conducting research, starting with the development of the research question and working through issues associated with methodology, data collection, analysis, and interpretation. The course will examine research traditions commonly employed in investigations in exercise science, health sciences, health & physical education, and sport management and leadership: group comparison designs, historical research, and behavioral analysis (single subject design). The goal of this course is to prepare students to conduct research and understand the components of the process.

Attributes: Honors course; Writing Intensive Course**Equivalent(s):** EXSC 696W, KIN 696W**Grade Mode:** Letter Grading**KIN 798 - Special Topics****Credits:** 1-4

New or specialized courses not normally covered in regular course offerings. Special fee on some sections.

Repeat Rule: May be repeated for a maximum of 8 credits.

Grade Mode: Letter Grading