

# KINESIOLOGY (KIN)

# Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

## **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. Special fee. Cr/F.

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

## **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)

## **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) EMR certifications exams. (Note: this is a different level of certification than Emergency Medical Technician (EMT). KIN 684/685 prepares students for EMT certification) Prereq: Athletic training; Exercise Science; HHS: undeclared. Lab. Special Fee.

## **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. Prereq: BMS 507 and BMS 508.

## **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. Special fee. Prereq: BMS 507 and BMS 508.

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

**Credits:** 3

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. Pre- or Coreq: ANSC 511 and ANSC 512, ZOO 401, BMS 507 and BMS 508.

**Co-requisite:** KIN 685

## **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. Pre- or Coreq: ANSC 511 and ANSC 512, ZOO 401, BMS 507 and BMS 508.

**Co-requisite:** KIN 684

## **KIN 690 - Study Abroad in Kinesiology**

**Credits:** 0-16

A) Foreign study in, or related to, athletic training. Interested students should contact Program Director, Kinesiology Athletic Training Option. Prereq: KIN: Athletic Training majors only. special fee. Cr/F. Permission. B) Foreign study in, or related to, exercise science. Interested students should contact Program Director, Kinesiology Exercise Science Option. Prereq: KIN: Exercise Science majors only. special fee. Cr/F. Permission. C) Foreign study in, or related to, outdoor education. Interested students should contact Program Director, Kinesiology Outdoor Education Option. Prereq: KIN: Outdoor Education majors only. special fee. Cr/F. Permission. D) Foreign study in, or related to, physical education. Interested students should contact Program Director, Kinesiology Physical Education Option. Prereq: KIN: Physical Education majors only. special fee. Cr/F. Permission. E) Foreign study in, or related to, sports studies. Interested students should contact Program Director, Kinesiology Sports Studies Option. Prereq: KIN: Sports Studies majors only. special fee. Cr/F. Permission.

**Co-requisite:** INCO 588

**Attributes:** World Cultures(Discovery)

## **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. Prereq: junior standing; departmental approval. Cr/F.

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

## **KIN 696 - Independent Study**

**Credits:** 2-4

An advanced, individual scholarly project under the direct supervision of a faculty member. Prereq: junior or senior; departmental approval. Special fee.

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

**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. Prereq: junior or senior; departmental approval.

**Attributes:** Writing Intensive Course

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

**KIN 699H - Honors Project**

**Credits:** 4

Project first involves tutorial sessions to introduce the student to the experimental design, after which a research question is developed. After an appropriate literature review, the student collects and analyzes data, forms conclusions, and prepares a written report on the findings.

**Attributes:** Honors course

**KIN 706 - Neurology**

**Credits:** 4

Development, morphology, internal configuration, physiology, histology, function, and pathology of the human nervous system. Prereq: BMS 507-508 or equivalent.

**Co-requisite:** KIN 707

**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. Prereq: BMS 507-508 or COMM 521 or equivalent. Special fee. Cr/F.

**Co-requisite:** KIN 706

**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.