

KINESIOLOGY (KIN)

The mission of the Department of Kinesiology is to create, share, and apply knowledge in the promotion of health, physical activity, sport, and well-being. We achieve this through high quality teaching and mentoring of our students, conducting scholarly activity, and engaging in community outreach. Our programs purposefully blend theory, research, and practice to support the professional needs of our students in all stages of their careers.

The department offers four areas of study for majors: exercise science, health and physical education, health sciences and sport management and leadership. Candidates for degree requirements in any of the department majors must satisfy all University Discovery Program requirements in addition to satisfying specific program requirements.

<https://chhs.unh.edu/kin>

Programs

- [Applied Human Anatomy & Physiology](#)
- [Coaching](#)
- [Exercise Science](#)
- [Health and Physical Education](#)
- [Health Sciences](#)
- [Kinesiology](#)
- [Sport Management and Leadership](#)

Courses

Exercise Science (EXSC)

EXSC 520 - Contemporary Perspectives in Exercise Science

Credits: 4

This course is designed to introduce undergraduate students to the field of Exercise Science. Research studies, experiential learning and professional development will be used to explore the different aspects of Exercise Science including fitness, wellness, human performance, research and clinical exercise physiology. Students will discover the many ways exercise is used as a health and fitness intervention. Career options will be studied and evaluated giving students an informed exposure to potential areas of future.

Equivalent(s): KIN 520

Grade Mode: Letter Grading

EXSC 527 - Scientific Foundations of Health and Fitness

Credits: 4

Provides students with practical, scientific, entry-level information relative to physical conditioning, health, and wellness from childhood through adulthood. Students are given theoretical information that will be followed by practical, hands-on experiences offered through laboratories experiences.

Attributes: Biological Science(Discovery); Discovery Lab Course; Writing Intensive Course

Equivalent(s): KIN 527

Mutual Exclusion: No credit for students who have taken NUTR 506.

Grade Mode: Letter Grading

Special Fee: Yes

EXSC 607 - Biology of Aging

Credits: 4

Biological mechanisms of the aging process, with special emphasis on human aging; changes due to chronic disease.

Attributes: Biological Science(Discovery)

Equivalent(s): KIN 607

Grade Mode: Letter Grading

EXSC 620 - Physiology of Exercise

Credits: 4

Acute and chronic effects of exercise. Muscle physiology, respiration, cardiac function, circulation, energy metabolism, and application to training.

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

Equivalent(s): KIN 620

Grade Mode: Letter Grading

EXSC 621 - Exercise Laboratory Techniques

Credits: 4

Laboratory assessment of functional capacity, body composition, anaerobic power, anaerobic threshold, pulmonary function, blood pressure control, muscle strength, and temperature regulation. Field tests are used where appropriate. Extensive out-of-class time is required as each week a detailed lab report is submitted for grading.

Attributes: Writing Intensive Course

Prerequisite(s): EXSC 620 with a minimum grade of D-.

Equivalent(s): KIN 621

Grade Mode: Letter Grading

EXSC 650A - Internship in Exercise Science

Credits: 4-8

Individualized experiential training in an external (off-campus) exercise science setting (hospital, health & fitness club, business, physical therapy, or medical (physician assistant) offices, research laboratory) offering programs of prevention, intervention, and/or rehabilitation. The internship requires 400 contact hours and is a full-time commitment (10 weeks at 40 hours per week) usually taken the summer following the senior academic year. Activities may include graded exercise testing, exercise prescription, and exercise leadership. Must have completed all requirements for the option or have permission from the instructor prior to starting the internship. The course may be repeated once with 4 credits taken each time for a total of 8 credits. (IA continuous grading).

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

Equivalent(s): KIN 650A

Grade Mode: Credit/Fail Grading

EXSC 693 - Teaching Assistantship

Credits: 2

Students serve as teaching assistants in assigned class activities. Assignments to be made by the class instructor may include teaching assistants' and administrative duties.

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

Grade Mode: Credit/Fail Grading

EXSC 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

EXSC 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 EXSC 696W. All EXSC 696W 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**EXSC 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**Grade Mode:** Letter Grading**EXSC 704 - Electrocardiography****Credits:** 4

Designed to provide exposure to basic interpretation and identification of electrocardiograms (ECGs). Includes detailed heart anatomy, coronary circulation, cardiac conduction system, electrocardiogram development, and all aspects pertaining to normal and abnormal ECGs.

Prerequisite(s): EXSC 621 with a minimum grade of D-.**Equivalent(s):** KIN 704**Grade Mode:** Letter Grading**EXSC 705 - Topics in Applied Physiology****Credits:** 4

Advanced exercise physiology course dealing with topics both current and relevant to exercise science majors. Includes genetics, environmental influences, immune system, detraining and over-training, epidemiology, ergogenic acids, and the influence of age and gender.

Prerequisite(s): EXSC 620 with a minimum grade of D- and EXSC 621 with a minimum grade of D- and EXSC 736 with a minimum grade of D-.**Equivalent(s):** KIN 705**Grade Mode:** Letter Grading**EXSC 720 - Science and Practice of Strength Training****Credits:** 4

Designed to provide students exposure to the knowledge and practical experience necessary for establishing strength development programs in a variety of populations, including healthy, athletic, and higher risk individuals. Program design, correct lifting techniques, physiological adaptations, and organization and administration of programs are highlighted. Includes fundamentals regarding the selection of programs and equipment, spotting techniques, as well as ways to assess strength and power in humans without expensive equipment.

Prerequisite(s): EXSC 620 with a minimum grade of D- and EXSC 621 with a minimum grade of D-.**Equivalent(s):** KIN 720**Grade Mode:** Letter Grading**EXSC 722 - Applied Biomechanics****Credits:** 4

This course provides students with a background in the fundamental biomechanical principles that describe and govern human movement. Topics of the course include friction, linear and angular motion, tissue material properties, conservation of energy, work and power, fluid mechanics, stability and center of gravity, mechanics of injury, walking and running gait analysis. These topics are taught through the lens of modern biomechanical analyses including dynamometry, electromyography, accelerometry, and optical motion analysis.

Prerequisite(s): EXSC 620 with a minimum grade of D-.**Equivalent(s):** KIN 722**Grade Mode:** Letter Grading**EXSC 724 - Exercise Metabolism: Acute and Chronic Adaptations****Credits:** 4

Overview of the metabolic processes that occur during exercise and metabolic changes that occur as a result of exercise training. Topics include glycogenolysis and glycolysis in muscle, cellular oxidation of pyruvate, lipid metabolism, metabolism of proteins and amino acids, neural and endocrine control of metabolism, and fatigue during muscular exercise.

Prerequisite(s): EXSC 621 with a minimum grade of D- and CHEM 404 with a minimum grade of D-.**Equivalent(s):** KIN 724**Grade Mode:** Letter Grading**EXSC 736 - Fitness and Graded Exercise Testing****Credits:** 4

Designed to provide students exposure to the knowledge and practical experience necessary for establishing exercise programs in apparently healthy populations. Topics include fitness testing, test interpretation, and exercise prescription.

Prerequisite(s): EXSC 621 with a minimum grade of D- and EXSC 704 with a minimum grade of D-.**Equivalent(s):** KIN 736**Grade Mode:** Letter Grading**EXSC 737 - Exercise Prescription and Leadership in Healthy and Special Populations****Credits:** 4

Provides exposure to the knowledge and practical experience necessary for establishing exercise and health promotion programs in a variety of populations. Includes fundamentals regarding personal training and program selection, implementation and equipment, legal issues, and budget establishment. Strength training programs and special populations are highlighted.

Prerequisite(s): EXSC 621 with a minimum grade of D- and EXSC 736 with a minimum grade of D-.**Equivalent(s):** KIN 737**Grade Mode:** Letter Grading**EXSC 794 - Cardiopulmonary Pathologies****Credits:** 4

Lecture study of the anatomy, physiology, and pathophysiology of the cardiac, vascular, and pulmonary systems. Particular emphasis on the study of cardiovascular function in diseased and stressed states. Clinical assessment of the cardiopulmonary patient.

Prerequisite(s): EXSC 704 with a minimum grade of D-.**Equivalent(s):** KIN 794**Grade Mode:** Letter Grading

EXSC 795 - Practicum in Cardiac Rehabilitation**Credits:** 2

Provides students with practical and theoretical experience in all aspects involving cardiac rehabilitation programs.

Prerequisite(s): EXSC 704 with a minimum grade of D- and EXSC 794 with a minimum grade of D-.

Equivalent(s): KIN 795

Grade Mode: Letter Grading

EXSC 798 - Special Topics in Exercise Science**Credits:** 1-4

New or specialized courses not normally covered in regular course offerings.

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

Grade Mode: Letter Grading

Health and Physical Education (HPE)**HPE 500 - Introduction to Health and Physical Education****Credits:** 2

This course is intended to lay the foundation for future Health and PE pedagogy courses. Topics of discussion will include the role of health and physical education in today's society, "old" versus "new" physical education and philosophy of education and physical education. Also, wellness and health promotion, teaching health via a skills-base approach, outcomes and assessments, career and professional considerations of teaching and future trends within the profession.

Equivalent(s): KIN 500

Grade Mode: Letter Grading

HPE 570 - Elementary Physical Education Practicum**Credits:** 4

As a prospective teacher, you will be asked to examine, discuss, and implement teaching strategies learned in HPE 610 - Elementary Physical Education Pedagogy. Sixty hours of observation and teaching in the schools will be expected. As this is a "gateway" course to student teaching or the 5th year internship, it is expected that students invest efforts into the development of pedagogical skills needed for effective teaching.

Attributes: Writing Intensive Course

Prerequisite(s): HPE 610 with a minimum grade of D-.

Equivalent(s): KIN 570

Grade Mode: Letter Grading

Special Fee: Yes

HPE 600 - Movement and Gymnastics Exploration**Credits:** 4

This course is designed to enhance the students' knowledge of and ability to demonstrate, implement, and evaluate the movement fundamentals and gymnastics skills and progression that forms the foundation of preschool, elementary, and secondary school physical education content. The course will combine the elements of movement education and gymnastics progressions to develop a basis for students to learn the fundamentals of movement and how to teach them.

Equivalent(s): KIN 600

Grade Mode: Letter Grading

HPE 601 - Lifetime Sports**Credits:** 3

This course is designed to acquaint students with a variety of lifetime sports. The emphasis will be placed on students' ability to effectively participate in, teach and assess various activities. The following lifetime sports will be covered: cross country skiing, snowshoeing, badminton, pickle ball, tennis, fitness-related activities, weight training and golf.

Equivalent(s): KIN 601

Grade Mode: Letter Grading

HPE 603 - Team Sports**Credits:** 3

This course is designed to expose students to the teaching of games through a tactical approach. This approach places a heavy emphasis on small-sided, modified games with subsequent question and answer sessions. The course will focus on instruction, game play, skill development, and analysis leading to playing competence and knowledge of teaching in soccer, ultimate Frisbee, basketball, handball, flag football, volleyball and softball.

Equivalent(s): KIN 603

Grade Mode: Letter Grading

HPE 610 - Elementary Physical Education Pedagogy**Credits:** 4

This course is designed for future physical education teachers focusing primarily on "what" and "how" to teach elementary physical education. The class adopts a skill theme and movement concept approach to the curriculum. Teaching skills will be developed through readings, lecture/discussion, assignments, peer teaching and teaching children in the gymnasium.

Equivalent(s): KIN 610

Grade Mode: Letter Grading

HPE 648 - Current Issues in Teaching Health**Credits:** 4

This course provides the background information and skills teachers need to implement a health education program in schools at the grade levels in which they are certified. Aligned with the CDC Characteristics for Effective Health Education the course introduces the National Health Education Standards and prepares students in the development of teaching skills needed for implementing effective health education while including functional information based on local data and student need.

Equivalent(s): KIN 648

Grade Mode: Letter Grading

HPE 653B - Biomechanics of Human Movement**Credits:** 2

Principles and methodology of analyzing movement in sport and physical education using principles of biomechanics and physics. Uses videos and field-based methodology to facilitate students' understanding of movement analysis and applying analyses to teaching and coaching.

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

Equivalent(s): KIN 653B

Grade Mode: Letter Grading

HPE 655 - Middle School and Secondary Physical Education Pedagogy
Credits: 4

Course content will include concepts related to effective teaching such as: planning, organization, communication, management, modifications, and evaluation. Mosston's spectrum of teaching styles will be discussed in relationship to meeting the individual needs of students. Curriculum models will be discussed in order to show the range of content available to physical educators. Application of theoretical concepts will occur in peer teaching episodes.

Equivalent(s): KIN 655

Grade Mode: Letter Grading

HPE #666 - Middle School and Secondary Physical Education Practicum
Credits: 4

Students in this course will be given the opportunity to spend 60 hours in a middle or high school observing, assisting and teaching physical education classes. These experiences will be augmented by weekly seminars whereby issues pertaining to focused observations and thoughts related to teaching and learning will be discussed. A major culminating "I Believe" paper will be required and this course will be the HPE capstone experience.

Attributes: Writing Intensive Course

Equivalent(s): HPE 766, KIN 666

Grade Mode: Letter Grading

HPE 671 - Health Education Pedagogy

Credits: 4

This course provides a foundation for teaching health education in K-12 settings. Aligned with the CDC Characteristics for Effective Health Education, the course builds on previous knowledge of the National Health Education Standards and other appropriate practices while preparing pre-service teachers to increase the health literacy and proficiency levels of their future students.

Equivalent(s): KIN 671

Grade Mode: Letter Grading

HPE 675 - Motor Development and Learning

Credits: 4

This class examines motor development throughout the life-span utilizing an ecological perspective that incorporates the individual, the environmental conditions and the required tasks. The class is divided into 4 modules. Modules include the theoretical underpinnings of motor development, elements of fitness, assessment, and individual constraints. The class concludes with peer teaching episodes.

Equivalent(s): KIN 675

Grade Mode: Letter Grading

HPE 676 - Adventure Activities

Credits: 3

This course provides for the acquisition of knowledge and skills for students to utilize adventure education methods and philosophies when teaching physical education through an experiential pedagogy. Students will be exposed to adventure methodologies: climbing, orienteering, initiatives, low ropes course and high ropes course. Students will realize facilitation and teaching strategies through peer and practice teaching with local students from Oyster River Middle School in Durham.

Equivalent(s): KIN 676

Grade Mode: Letter Grading

HPE #693 - Teaching Assistantship in HPE

Credits: 2

This course provides the opportunity for a student to work with a member of the HPE faculty in an experience to be determined and agreed upon.

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

Grade Mode: Credit/Fail Grading

HPE 694 - Supervised Teaching in Health and Physical Education
Credits: 6

Students in this course will be involved in observing, assisting and teaching health and physical education classes in local schools as their culminating experience in the HPE major. These experiences will be augmented by weekly seminars whereby issues pertaining to focused observations and thoughts related to teaching and learning will be discussed. Throughout the duration of this course, students will be asked to reflect on the teaching they observe as well as their own teaching.

Co-requisite: EDUC 694D

Equivalent(s): KIN 694

Grade Mode: Credit/Fail Grading

HPE 696 - Independent Study in Health and/or Physical Education

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. May be repeated up to 4 times.

Grade Mode: Letter Grading

HPE #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 the major faculty and the department chair prior to the student's registration for HPE 696 WI. All HPE 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. May be repeated up to 4 times.

Grade Mode: Letter Grading

HPE #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

Grade Mode: Letter Grading

HPE 702 - Health Content and Youth Risk Behavior

Credits: 4

Explore topics related to adolescent health, well-being, and risk behaviors that are relevant in the health education classroom today. Grounded in health behavior theories and behavior change, students explore ten dimensions of wellness: Cultural, Emotional, Environmental, Financial, Intellectual, Occupational, Physical, Sexual, Social, and Spiritual. Students develop a content base for teaching Standard 1 of the National Health Education Standards in coordination with the skill standards as outlined by the NH Health Education Curriculum Guidelines.

Equivalent(s): KIN 702

Grade Mode: Letter Grading

HPE 712 - Health Education Practicum**Credits:** 4

This practicum provides prospective educators an opportunity to observe, develop and practice teaching skills in the health classroom. Students are expected to accumulate 60 hours of observing, assisting and teaching experience in schools. In addition, weekly seminars integrate field experience with lesson planning, school wellness policies and the Whole School, Whole Community, Whole Child approach. This serves as an opportunity for refinement and continued development of teacher skills and attributes for teaching health education.

Prerequisite(s): HPE 648 with a minimum grade of D- and HPE 671 with a minimum grade of D-.

Equivalent(s): KIN 712

Grade Mode: Letter Grading

HPE 742 - Physical Education Practicum for Students with Disabilities**Credits:** 4

The purpose of the practicum is to provide the educators with opportunities to create, plan and manage physical education/activity experiences for individuals with disabilities within school and community settings.

Equivalent(s): KIN 742

Grade Mode: Letter Grading

HPE 766 - Middle School and Secondary Physical Education Practicum**Credits:** 4

Students in this course will be given the opportunity to spend 60 hours in a middle or high school observing, assisting and teaching physical education classes. These experiences will be augmented by weekly seminars whereby issues pertaining to focused observations and thoughts related to teaching and learning will be discussed. A major culminating "I Believe" paper will be required and this course will be the HPE capstone experience.

Attributes: Writing Intensive Course

Prerequisite(s): HPE 655 (may be taken concurrently) with a minimum grade of D-.

Equivalent(s): HPE #666, KIN 666

Grade Mode: Letter Grading

HPE 781 - Inclusion in Physical Education**Credits:** 4

As schools move towards inclusive settings, general physical education (GPE) teachers need the knowledge, skills, and dispositions for educating students with disabilities in general and adapted physical education (APE) settings. The course begins with an understanding of the term disability followed by the legal mandates that define school policy and student placement. Throughout the course an overview of disability will be analyzed with readings that include an analysis of the social medical models designed to challenge the social construction of disability and orientations for practice. Classroom time will include direct teaching of individuals with disabilities.

Attributes: Writing Intensive Course

Equivalent(s): KIN 781

Grade Mode: Letter Grading

HPE 798 - Special Topics in Health and Physical Education**Credits:** 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

Special Fee: Yes

Health Sciences (HS)**HS 406 - Introduction to Health Sciences****Credits:** 1

This introductory course is designed to expose students to the broad, interdisciplinary field of health sciences. It will provide students an overview of the prerequisite knowledge that will prepare an individual to pursue a career in any number of allied health professions. In this course, students will explore basic foundational concepts pertinent to a complex, ever-evolving healthcare field.

Equivalent(s): AT 406

Grade Mode: Letter Grading

HS 501 - Medical Terminology**Credits:** 2

This course is an introduction to common medical terminology and vocabulary used by a variety of professionals in the healthcare field; terminology related to organ systems, disease diagnosis and pathophysiology will be emphasized. The origin, roots, prefixes, suffixes, and relevant abbreviations and acronyms of common medical and clinical terms are examined in a systems-based approach.

Grade Mode: Letter Grading

HS 605 - Exploration of Allied Health Professions**Credits:** 2

Explore and understand duties, responsibilities, and common work schedules of allied health professions. Complete 10 hours of observation with each profession: athletic training, physical therapy, and physician assistant. Students may substitute observation of other professions by submitting written justification to, and upon permission of course instructor.

Grade Mode: Credit/Fail Grading

HS 656 - Musculoskeletal Pathologies for Health Professions**Credits:** 4

Introduces the student to the musculoskeletal injuries common to allied health professions. Cognitive knowledge on anatomy, injury pathology, assessment and diagnosis. In conjunction with HS 657, Musculoskeletal Pathologies for Health Professions Lab, this course prepares the student for continued education in allied health professions.

Co-requisite: HS 657

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

Grade Mode: Letter Grading

HS 657 - Musculoskeletal Pathologies for Health Professions Lab**Credits:** 1

The practical application of the knowledge attaining in HS 656. Students will learn & perform anatomical landmark palpation, injury assessment procedures & techniques, and taping & wrapping procedures. This course, in conjunction with HS 656, prepares the students for further education at the graduate level.

Co-requisite: HS 656

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

Grade Mode: Letter Grading

Special Fee: Yes

HS 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

HS 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 the major faculty and the department chair prior to the student's registration for HS 696W. All HS 696W 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**HS 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**Grade Mode:** Letter Grading**HS 717 - Cultural Considerations in Health Care****Credits:** 4

Capstone course to introduce concepts of culture, cultural humility, and diversity as related to professional practice for students preparing for careers in healthcare professions. Patient-centered course teaching students about patient types, and how to appropriately consider and care for those with differing cultural backgrounds, beliefs and practices.

Attributes: Writing Intensive Course**Repeat Rule:** May be repeated for a maximum of 10 credits.**Grade Mode:** Letter Grading**HS 767 - Pharmacology for Health Professions****Credits:** 4

This course will be an introduction to the general principles of pharmacology, the organ systems affected by the various drug types, and drug classifications as appropriate for future allied health professionals. Students will also explore common prescribing in various practice settings as well as the applicable U.S. laws relative to the sale, supply, and administration of drugs.

Prerequisite(s): CHEM 403 with a minimum grade of C- and CHEM 404 with a minimum grade of C-.**Equivalent(s):** AT 667, KIN 667**Grade Mode:** Letter Grading**HS 770 - General Medical Conditions for Health Professions****Credits:** 4

This course will be an introduction to the general medical conditions commonly diagnosed and treated among allied health professionals, with emphasis on disease etiology, pathophysiology, signs and symptoms, diagnostic procedures, and therapeutic measures involved in treatment.

Prerequisite(s): BMS 507 with a minimum grade of C- and BMS 508 with a minimum grade of C-.**Equivalent(s):** AT 670**Grade Mode:** Letter Grading**Kinesiology (KIN)****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) EMR certifications exams. (Note: this is a different level of certification than Emergency Medical Technician (EMT). KIN 684 and KIN 685 prepares students for EMT certification). Lab.

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:** 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.

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-).

Grade Mode: Letter Grading**Special Fee:** Yes**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.
 B) Foreign study in, or related to, exercise science. Interested students should contact Program Director, Kinesiology Exercise Science Option.
 C) Foreign study in, or related to, outdoor education. Interested students should contact Program Director, Kinesiology Outdoor Education Option.
 D) Foreign study in, or related to, physical education. Interested students should contact Program Director, Kinesiology Physical Education Option.
 E) Foreign study in, or related to, sports studies. Interested students should contact Program Director, Kinesiology Sports Studies Option.

Co-requisite: INCO 588**Attributes:** World Cultures(Discovery)**Grade Mode:** Credit/Fail 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 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**Grade Mode:** Letter Grading**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 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**Special Fee:** Yes**Outdoor Education (OUT)****OUT #407B - Introduction to Outdoor Education & Leadership - Three Season Experiences****Credits:** 2

An exploration of three-season adventure programs and career opportunities in the outdoor field. Students will be introduced to a variety of on-campus outdoor pursuits programming in spring, summer, and fall, including hiking, orienteering, climbing, and watersports. An emphasis on experiential teaching and learning will help students understand essential elements in program planning, administration and risk management. You will examine current trends in public participation in three-season outdoor activities and employment in the outdoor field. No experience required.

Equivalent(s): KIN 407B**Grade Mode:** Letter Grading**OUT 444A - Risk and the Human Experience****Credits:** 4

Explores the construct of risk in two phases: 1) knowledge building, focusing on the historical development of risk and its current manifestations in contemporary society; and 2) knowledge application, which focuses on applying conceptions of risk to various case study examples. The second phase of the course employs a problem-based learning approach with four distinct modules that ask students to apply, experience, and evaluate risk in a variety of contexts. Each module includes: a) a case study description, b) an experiential exercise, and c) a collaborative debriefing of the experience and reflective application to broader societal issues.

Attributes: Social Science (Discovery); Inquiry (Discovery)**Equivalent(s):** KIN 444A**Grade Mode:** Letter Grading**OUT 444C - AMPED UP: Social and Psychological Perspectives on Adventure****Credits:** 4

Interest in the topic of adventure has exploded in recent years; with enough money, almost any adventure is available to anyone. The widespread rise in popularity of adventure brings questions, however. What is the role of adventure in modern society? What is its value to individuals? Through lectures, written assignments, group projects, multimedia, and experiential learning, this course surveys psychological, sociological, and anthropological perspectives on these and students' own questions.

Attributes: Social Science (Discovery); Inquiry (Discovery); Writing Intensive Course**Equivalent(s):** KIN 444C**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 515 - History of Outdoor Pursuits in North America****Credits:** 4

Voluntary pursuits in the outdoors have defined American culture since the early 17th century. Over the past 400 years, activities in outdoor recreation and education have reflected Americans' spiritual aspirations, imperial ambitions, social concerns, and demographic changes. This course will give students the opportunity to learn how Americans' experiences in the outdoors have influenced and been influenced by major historical developments of the 17th, 18th, 19th and 20th, and early 21st centuries. This course is cross-listed with RMP 515.

Attributes: Historical Perspectives(Disc)**Equivalent(s):** KIN 515, RMP 515**Grade Mode:** Letter Grading**OUT 539 - Artificial Climbing Wall Management****Credits:** 2

The primary purpose of this course is an introduction to the procedures, methods, and techniques of artificial climbing wall management. Within the scope of this course, students will be introduced to operations, supervision, equipment and facility use/maintenance, risk management strategies, routesetting, individual and group programming/facilitation/teaching, technical skills and rescues/emergency procedures. A variety of teaching styles will be used to familiarize students with each topic area. Optional certification fee. Lab.

Equivalent(s): KIN 539**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 540 - Top Rope Rock Climbing****Credits:** 4

Provides students with an understanding of the equipment, techniques, and procedures necessary for the setup and management top rope rock climbing and rappelling sites, including advanced rescue skills. Students also develop basic climbing movement techniques and skills, an understanding of the pedagogical techniques used in climbing, and the requisite knowledge/skill development to conduct safe top rope experiences in multiple settings. The format of this course is a combination of demonstration/lecture and "hands-on" learning with the emphasis upon student interaction and practical skill development. Lab.

Equivalent(s): KIN 540**Grade Mode:** Letter Grading**Special Fee:** Yes

OUT 541 - Management of Challenge Courses**Credits:** 4

Provides students with an introduction to the basic facilitation/technical skills to manage a challenge course program. Exposure to intermediate technical skills usually required for lead facilitators. Specific topics include group process, framing, and sequencing, belay methods, participant and instructor equipment, operating procedures for low and high challenge course elements, and industry standards. Lab.

Equivalent(s): KIN 541**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT #542 - Sea Kayaking****Credits:** 2

An introduction to the technical, teaching, and leadership skills required to lead inland kayaking programs and to assist with coastal canoeing programs. Emphasis on individual kayaking skills, self- and group-assisted rescues, safety and group management in a marine environment, and tactics for ocean travel and navigation. Lab.

Equivalent(s): KIN 542**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 543 - Winter Adventure Programming****Credits:** 2

An introduction to winter programming and back country travel, including snowshoeing and skiing, winter interpretation activities, backpacking, and winter camping. Emphasis on teaching of introductory winter programs and trips. Lab.

Prerequisite(s): OUT 551 with a minimum grade of D-**Equivalent(s):** KIN 543**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 545 - High Angle Rescue****Credits:** 2

Provides students with the skills necessary to perform self and group rescues in a variety of steep terrain and high angle environments. Students also gain the basic skills necessary for the implementation of self- and partner-rescues while in a technical climbing environment. The skills learned from this class will adapt readily to climber rescue, crevasse rescue, big wall rescue, cave rescue, and vertical urban rescue. Lab.

Prerequisite(s): OUT 547 with a minimum grade of D-**Equivalent(s):** KIN 545**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 546 - Whitewater Canoeing****Credits:** 3

Introduces white water canoeing skills. Students gain a basic understanding of the equipment, techniques, and procedures to conduct canoeing activities in flat water, moving water, and white water environments. Emphasizes development of individual paddling skills, safe and conscientious paddling, and group management on moving water and white water. Lab.

Equivalent(s): KIN 546**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 547 - Lead Rock Climbing****Credits:** 3

Advanced climbing course designed to provide students with a structured environment to transition from top rope rock climbing or sport climbing to multi-pitch traditional lead climbing. Focuses on the development of the technical skills and judgment associated with leading in a multi-pitch environment. Specific topics include use of artificial protection, belay anchor construction, multi-pitch rappelling, knots, rope/belay station management, climbing technique, and multi-pitch leading considerations. Lab.

Prerequisite(s): OUT 540 with a minimum grade of D-**Equivalent(s):** KIN 547**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT #548 - Winter Expedition Programming****Credits:** 4

Introduces methods and techniques of winter expedition travel including camping, snowshoeing, alpine climbing skills, technical skiing and ice climbing skills. A variety of teaching styles are used to familiarize students with each topic area, and occur in classroom, basecamp, and wilderness settings. Lab.

Prerequisite(s): OUT 551 with a minimum grade of D-**Equivalent(s):** KIN 548**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 549 - Wilderness Navigation****Credits:** 4

Introduces the methods and techniques of wilderness navigation. Topics include map interpretation, compass use, global positioning systems, and other navigation methods. A variety of teaching styles are used to familiarize the students with each topic area, and occur in both classroom and wilderness settings. Lab.

Equivalent(s): KIN 549**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 550 - Outdoor Education Philosophy and Methods****Credits:** 4

Explores the philosophical basis for experiential and outdoor education. Experiential exercises and readings focus on risk, traditional vs. progressive education, role of nature, ethics, models of learning and facilitation, and developing a personal philosophy of outdoor education. Includes full-day outdoor education laboratory experiences.

Attributes: Inquiry (Discovery); Writing Intensive Course**Equivalent(s):** KIN 550**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 551 - Adventure Programming: Backcountry Based Experience****Credits:** 4

Introduces the leadership of land-based backpacking programs. Students develop an understanding of backpacking equipment, trip planning and organization, instruction of basic camping skills, implementation of safety procedures and group management on backpacking trips. Lab.

Equivalent(s): KIN 551**Grade Mode:** Letter Grading**Special Fee:** Yes

OUT 552 - Adventure Programming: Water Based Experiences**Credits:** 4

Introduces the leadership of canoe expeditions. Students develop an understanding of necessary canoeing equipment, trip planning and organization, instruction of basic canoeing strokes, implementation of safety procedures, and group management on canoe expeditions. Lab.

Equivalent(s): KIN 552**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 650B - Internship in Outdoor Education & Leadership****Credits:** 4-8

Experiential learning in a setting appropriate to the student's objectives. A 4 credit internship requires a minimum of 400 hours experience.

Provides an appropriate transition from undergraduate education to future employment in the field of outdoor education. Generally done after students have completed all other requirements for the option. IA continuous grading).

Repeat Rule: May be repeated for a maximum of 8 credits.**Equivalent(s):** KIN 650B**Grade Mode:** Credit/Fail Grading**OUT 681 - Foundations of Adventure Education****Credits:** 4

Through experiential activities, personal reflections, readings, and group and independent projects, students will gain an understanding of models and theories underpinning adventure education. The course includes content such as adventure education history, outdoor leadership, personal growth, group development, risk taking and risk management, educational philosophy, and learning theory. Students learn to apply theoretical principles to practice in a variety of settings.

Attributes: Writing Intensive Course**Equivalent(s):** KIN 681**Grade Mode:** Letter Grading**OUT 682 - Experiential Teaching & Leadership****Credits:** 2

This class provides an orientation to experiential learning, teaching, and leadership in outdoor recreation, education, and instructional settings. Students develop and implement program designs and lesson plans, gaining practice with teaching methods, activity facilitation, leadership styles, and risk management considerations in outdoor recreation programs.

Repeat Rule: May be repeated for a maximum of 6 credits. May be repeated up to 2 times.**Equivalent(s):** KIN 682**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 686 - Wilderness Emergency Medical Care****Credits:** 4

Standards of practice for professional providing emergency medical care in remote areas. Consideration of prolonged transport times, severe environments, and the use of portable and improvised equipment. Topics include wilderness trauma and illness, search and rescue operations, and environmental emergencies.

Equivalent(s): KIN 686**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT #687 - Career and Professional Development Practicum****Credits:** 4

Explores professional competencies required in long-term careers in the outdoors. Includes job shadowing, teaching, and leadership experiences at external agencies. Students focus their learning experience in areas of the field that interest them and develop professional identity through self-assessment, resume development, job search processes, interview techniques, and negotiation strategies. Students co-design and focus their learning in specific areas of the field.

Equivalent(s): KIN 687**Grade Mode:** Letter Grading**Special Fee:** Yes**OUT 693 - Teaching Assistantship****Credits:** 2

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**OUT 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**OUT #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 OUT 696 WI. All OUT 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**OUT #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**Grade Mode:** Letter Grading**OUT 782 - Therapeutic Applications of Adventure Programming****Credits:** 4

A study of theory, practice, and research of adventure experiences in therapeutic settings. Incorporates theoretical seminars and associated practical experiences.

Equivalent(s): KIN 782**Grade Mode:** Letter Grading

OUT #786 - Organization and Administration of Outdoor Education Programs

Credits: 4

Study of administration of outdoor education programs using a variety of organizational models. Students use simulated exercises and work with outdoor agencies on special projects to learn key factors necessary to manage a program.

Attributes: Writing Intensive Course

Equivalent(s): KIN 786

Grade Mode: Letter Grading

Special Fee: Yes

Sport Management & Leadership (SML)

SML 521 - Theory of Coaching Basketball

Credits: 2

Individual team offense and defense, rules of the game. Problems in team handling and conditioning.

Prerequisite(s): (SPST 565 (may be taken concurrently) with a minimum grade of D- or SML 565 (may be taken concurrently) with a minimum grade of D-).

Equivalent(s): KIN 521, SPST 521

Grade Mode: Letter Grading

SML 522 - Theory of Coaching Football

Credits: 2

Systems of play, team and individual offensive and defensive fundamentals, theory and strategy of team play, coaching methods, physical conditioning, rules.

Prerequisite(s): (SPST 565 (may be taken concurrently) with a minimum grade of D- or SML 565 (may be taken concurrently) with a minimum grade of D-).

Equivalent(s): KIN 522, SPST 522

Grade Mode: Letter Grading

SML 523 - Theory of Coaching Ice Hockey

Credits: 2

Basic hockey skills. Fundamentals of individual and team offense and defense; coaching methods; rules. Student must have basic skating skills prior to taking course.

Prerequisite(s): (SPST 565 (may be taken concurrently) with a minimum grade of D- or SML 565 (may be taken concurrently) with a minimum grade of D-).

Equivalent(s): KIN 523, SPST 523

Grade Mode: Letter Grading

Special Fee: Yes

SML 525 - Theory of Coaching Soccer

Credits: 2

Fundamental and advanced skills and techniques; offensive and defensive principles of team play; tactical formations and strategy; methods of training and practicing; rules.

Equivalent(s): KIN 525, SPST 525

Grade Mode: Letter Grading

SML 528 - Theory of Coaching Track and Field

Credits: 2

Starting, sprinting, middle-distance and distance running, relay, hurdling, high and broad jumping, pole vault, shot putting, discus, hammer, and javelin. Methods of training and practicing.

Equivalent(s): KIN 528, SPST 528

Grade Mode: Letter Grading

SML 560 - Sport Psychology

Credits: 4

Introduction to the discipline of sport psychology. Explores behavioral, cognitive, and social psychology in relation to elite, collegiate and high school athletes, as well as recreational sport participants.

Equivalent(s): KIN 560, SPST 560

Grade Mode: Letter Grading

SML 561 - History of American Sport and Physical Culture

Credits: 4

Major individuals, organizations, and trends that influenced the development of an American industry in sports, active recreation, and physical fitness. Readings, discussions, and research projects provide experience in the craft and utility of history.

Attributes: Historical Perspectives(Disc)

Equivalent(s): KIN 561, KIN 561W, SPST 561, SPST 561W

Grade Mode: Letter Grading

SML 561W - History of American Sport and Physical Culture

Credits: 4

Major individuals, organization and trends that influenced the development of an American industry in sports, active recreation, and physical fitness. Reading, discussions and research projects provide experience in the craft and utility of history.

Attributes: Historical Perspectives(Disc); Writing Intensive Course

Equivalent(s): KIN 561W, SPST 561W

Grade Mode: Letter Grading

SML 562 - Sport Media Relations

Credits: 4

A survey of basic concepts of sports media relations for students considering careers in school or college sports coaching or administration, media or related fields. The focus is on developing necessary skills, techniques and recommended media relations practices as well as social implications of the media in sports public relations including print, radio, television, the World Wide Web and social media.

Equivalent(s): KIN 562, SPST 562

Grade Mode: Letter Grading

SML 564 - Introduction to Sport Marketing

Credits: 4

An introductory study of sport marketing, which includes the basic principles, key scholars, relevant scholarship, and necessary experiential elements to aid students in understanding the discipline's applied and academic aspects. This course will introduce traditional marketing concepts as well as focus on the marketing of sport and through sport.

Equivalent(s): KIN 564, SPST 564

Grade Mode: Letter Grading

SML 565 - Principles of Coaching

Credits: 4

Overviews current theory and practice in coaching education, including sport pedagogy, physiology, psychology, administration and risk management. Issues of performance and competition specific to child, youth and collegiate coaching are addressed.

Equivalent(s): KIN 565, SPST 565

Grade Mode: Letter Grading

SML 565A - Clinical Practice in Coaching**Credits:** 2

Students will learn and utilize best practices in the field to create safe, positive and effective coaching environments while teaching technical and tactical sport skills. Group management, motivation skill progression, evaluation and feedback will be explored. An emphasis will be placed on writing and implementing practice objectives, as well as effective practice design and execution. This course will include weekly practical coaching sessions.

Prerequisite(s): SML 565 with a minimum grade of D- or SPST 565 with a minimum grade of D-.

Equivalent(s): SPST 565A

Grade Mode: Letter Grading

SML 568 - Global Perspectives in Sport**Credits:** 4

Global Perspectives in Sport explores the intersections of management and the cross cultural context of sport in examining issues and challenges in sport around the globe. This course will prepare students to think critically about the organization, governance, business activities, and cross-cultural context of modern sport on an international level.

Equivalent(s): KIN 568, SPST 568

Grade Mode: Letter Grading

SML 580 - Sport Industry**Credits:** 4

Overviews the various segments that make up the sport industry, including governing bodies, the mass media, sporting goods firms, players' and coaches' associations, public regulatory agencies, and secondary and higher education. Readings and discussions consider the development and structure of each segment. interaction between segments, legal issues, and policy implications. While the course will focus on the United States, there is some comparison to other countries.

Equivalent(s): KIN 580, SPST 580

Grade Mode: Letter Grading

SML 630 - Sport Facility and Event Management**Credits:** 4

Students learn the principles and processes involved in effective sport facility and event management. In terms of facilities, students explore the concepts of facility design, planning, systems, risk management, marketing, and ownership. In terms of events, students explore the concepts of creation, impact(s) on host communities, marketing/ sponsorship, and the potential positive and negative outcomes of sport events.

Equivalent(s): KIN 630, SPST 630

Grade Mode: Letter Grading

Special Fee: Yes

SML 631 - Sport Media Production**Credits:** 4

Sport media professionals are expected to write their own scripts, produce their own content, and distribute that content on multiple digital platforms. Sport Media Production is designed to combine media management with production work in digital media, video, podcasting and website design. This course examines many of the current distribution platforms (Twitter, Facebook, Youtube, blogs, mobile applications) and the tools to create media for these outlets. In this course, students will create media using Adobe Creative Cloud and current video-editing systems.

Prerequisite(s): (SML 562 with a minimum grade of D- or SPST 562 with a minimum grade of D-).

Equivalent(s): KIN 631, SPST 631

Grade Mode: Letter Grading

SML 634 - Sport Sponsorship and Sales**Credits:** 4

The goal of this course is for students to develop an understanding of all aspects of sport sales and sponsorship. This course will explain the intricacies of both sport sales and sport sponsorship as well as demonstrate the ways they overlap and differ. Specifically, this course will cover concepts such as aftermarketing, up-selling, benefit selling, and sponsorship proposals.

Equivalent(s): KIN 634, SPST 634

Grade Mode: Letter Grading

SML 643 - Social Media Marketing in Sport**Credits:** 4

Students examine the use of social media as a tool in the marketing of sport and sport-related products. They are expected to effectively analyze and prescribe different ways in which social media can enhance the marketing profile of such products upon course completion. Student work should facilitate a deep understanding of social media in its constituent forms as they apply to sport and students should be able to examine such use critically.

Equivalent(s): KIN 643, SPST 643

Grade Mode: Letter Grading

SML 645 - Leadership in Sport**Credits:** 4

This course examines leadership theories and behavior as it relates to the sport industry. Students will study leadership behavior as it relates to coaching, administering athletic departments or programs, and directing sport-related businesses. Additionally, this course will explore the ethical issues dilemmas, and ethical decision-making process sport managers face in professional, collegiate and interscholastic sport.

Equivalent(s): SPST 645

Grade Mode: Letter Grading

SML 650C - Internship in Sport Management and Leadership**Credits:** 1-8

Experiential learning in a setting appropriate to the major option and to student's objectives. An 8 credit internship requires a minimum of 600 hours experience; fewer credits will require proportionally fewer hours. May be on- or off-campus with an approved organization. Student must participate in securing the internship. A journal, bi-weekly reports and a final paper required. May be repeated, with no more than 8 credits taken in any given semester.

Repeat Rule: May be repeated for a maximum of 12 credits.

Equivalent(s): KIN 650C, SPST 650C

Grade Mode: Letter Grading

SML 650D - Internship in Coaching**Credits:** 2-4

Experiential learning in a setting appropriate to student's learning objectives in coaching. May be on- or off-campus with an approved organization. Student must participate in securing the assistantship. A journal, bi-weekly reports, and final report required.

Prerequisite(s): (SPST 565 with a minimum grade of D- or SML 565 with a minimum grade of D-).

Repeat Rule: May be repeated for a maximum of 12 credits.

Equivalent(s): KIN 650D, SPST 650D

Grade Mode: Letter Grading

SML 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 be repeated barring duplication of subject.

Repeat Rule: May be repeated for a maximum of 4 credits.**Equivalent(s):** KIN 693, SPST 693**Grade Mode:** Credit/Fail Grading**SML 696 - Independent Study****Credits:** 2-4

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

Equivalent(s): KIN 696, SPST 696**Grade Mode:** Letter Grading**SML 696W - Independent Study****Credits:** 2-4

An advanced writing-intensive, individual scholarly project under the direct supervision of a faculty member. Student and Faculty advisor will prepare a written proposal that outlines: questions to be pursued, methods of investigation, students qualifications to conduct the research, nature of finished written product (e.g. case study, position paper, extended lab report). Proposal must be approved by major faculty and dept. chair prior to students registration for SML 696W. All SML 696W 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**Equivalent(s):** KIN 696W, SPST 696W**Grade Mode:** Letter Grading**SML 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**Equivalent(s):** KIN 699H, SPST 699H**Grade Mode:** Letter Grading**SML 738 - Sport Finance****Credits:** 4

This course examines the financial tools that sport managers use to run their sport businesses. Therefore it explores traditional and innovative methods of revenue acquisition and financial management in sports organizations, the financial business structure of sports organizations, and the financial planning and forecasting processes that make organizations effective. Various other aspects of finance are discussed as they relate to sport organizations, including the tie value of money, capital structuring, stocks, inventory management, and taxation.

Equivalent(s): SPST 738**Grade Mode:** Letter Grading**SML 740 - Athletic Administration****Credits:** 4

Introduces basic management components and processes used in the successful administration of school and college athletic programs. Topics include planning, organizing, and managing sports programs, personnel, and policies; game scheduling; finances and facilities; equipment and event management; student support services; and key legal issues.

Equivalent(s): KIN 740, SPST 740**Grade Mode:** Letter Grading**SML 741W - Social Issues in Contemporary Sports****Credits:** 4

Investigation of interrelationships among sport, culture, and society in an attempt to understand the role and function of sport in contemporary society. Overview of selected socio-cultural factors that influence and result from participation in sports.

Attributes: Writing Intensive Course**Equivalent(s):** KIN 741, SML 741, SPST 741**Grade Mode:** Letter Grading**SML 761 - Senior Seminar Sport Management and Leadership****Credits:** 4

Discussions of sport studies topics, such as gambling, aggression, media, gender, race, class. Students consider different disciplinary approaches to these topics and develop projects to advance knowledge related to their interests. Students must accumulate an aggregate total of 150 hours of work (paid or unpaid) in four approved sport organizations before they are allowed to register for SML 761.

Attributes: Writing Intensive Course**Equivalent(s):** KIN 761, SPST 761**Grade Mode:** Letter Grading**SML 764 - Advanced Sport Marketing****Credits:** 4

An advanced course covering sport marketing, which includes a review of key sport marketing terms/concepts, in-depth experience writing s a sport marketer, and practical experience acting as a sport marketer. This course will instruct students n how to complete all aspects of an in-depth marketing plan. This is an undergraduate/graduate dual student course.

Prerequisite(s): (SPST 564 with a minimum grade of D- or SML 564 with a minimum grade of D- or ADMN 585 with a minimum grade of D-).**Equivalent(s):** KIN 764, SPST 764**Grade Mode:** Letter Grading**SML 765 - Advanced Topics in Coaching****Credits:** 4

This course goes beyond the basic principles of coaching and addresses advanced topics in coaching (talent identification, talent development) from both the science and the art of coaching technique and strategies. This course is structured as an upper division course in Sport Studies. Content includes topics related to the development of the field of coaching. The class makes extensive use of case studies and analysis of practical coaching situations for the betterment of coach development. This course combines lecture, small group discussion and practical application of material.

Prerequisite(s): (SML 565 with a minimum grade of D- or SPST 565 with a minimum grade of D- or KIN 565 with a minimum grade of D-).**Equivalent(s):** KIN 765, SPST 765**Grade Mode:** Letter Grading

SML 780 - Psychological Factors in Sport

Credits: 4

Factors of outstanding athletic achievement; psychological variables in competition; the actions and interactions of sport, spectator, and athlete. Special attention directed to strategies for coaches, teachers, and athletic trainers to utilize sport psychology in their professional practice.

Prerequisite(s): PSYC 401 with a minimum grade of D-

Equivalent(s): KIN 780, SPST 780

Grade Mode: Letter Grading

SML 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.

Equivalent(s): KIN 798, SPST 798

Grade Mode: Letter Grading

Special Fee: Yes

Faculty

<https://chhs.unh.edu/kinesiology/faculty-staff-directory>