

WELLNESS AND MOVEMENT SCIENCES

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 department page (<https://www.ewu.edu/cale/programs/pehr/>)
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Undergraduate Degrees

BA–Outdoor Recreation Leadership (<http://catalog.ewu.edu/health-science-public/wellness-movement/outdoor-recreation-ba/>)
 BA–Recreation and Tourism Management (<http://catalog.ewu.edu/health-science-public/wellness-movement/recreation-management-ba/>)
 BA–Therapeutic Recreation (<http://catalog.ewu.edu/health-science-public/wellness-movement/therapeutic-recreation-ba/>)

BAE–Health and Physical Education/Elementary (<http://catalog.ewu.edu/health-science-public/wellness-movement/health-fitness-elementary-secondary-bae/>)
 BAE–Health and Physical Education/Secondary (<http://catalog.ewu.edu/health-science-public/wellness-movement/health-fitness-secondary-bae/>)

BS–Exercise Science (<http://catalog.ewu.edu/health-science-public/wellness-movement/exercise-science-bs/>)
 BS–Public Health (<http://catalog.ewu.edu/health-science-public/wellness-movement/public-health-bs/>)

Minor–Aquatics Management (<http://catalog.ewu.edu/health-science-public/wellness-movement/aquatics-minor/>)
 Minor–Coaching (<http://catalog.ewu.edu/health-science-public/wellness-movement/coaching-minor/>)
 Minor–Experiential Education & Group Facilitation (<http://catalog.ewu.edu/health-science-public/wellness-movement/experiential-education-minor/>)
 Minor–Personal Training (<http://catalog.ewu.edu/health-science-public/wellness-movement/personal-training-minor/>)
 Minor–Sport Management (<http://catalog.ewu.edu/health-science-public/wellness-movement/sport-manage-minor/>)

Graduate Degrees

MS–Athletic Training (<http://catalog.ewu.edu/health-science-public/wellness-movement/athletic-training-ms/>)
 MS–Physical Education (<http://catalog.ewu.edu/health-science-public/wellness-movement/physical-education-ms/>)

Required courses in these programs of study may have prerequisites. Reference the course description section for clarification.

Faculty

Garth Babcock, Alison Bender, Christi Brewer, Matthew R. Chase, Christopher P. Cindric, Alan J. Coelho, Melissa A. Elfering, John "Parry" Gerber, Jon J. Hammermeister, Chadron B. Hazelbaker, Jeremy Jostad, Carri Kreider, Nathaniel H. Lawton, Jeni R. McNeal, Emily S. Messina, Lauren V. Morley, Sarah Mount, Jacob S. Rehm, Katrina Taylor.

Undergraduate Programs

The Department of Wellness and Movement Sciences, houses the following major programs: Exercise Science, Health and Physical Education (teaching endorsement), Outdoor Recreation Leadership, Public Health, Recreation and Tourism Management and Therapeutic Recreation. We also provide minors in Aquatics Management, Coaching, Experiential Education and Group Facilitation, Personal Training and Sport Management.

Professional Membership Requirements: every student graduating from a major in the Department of Wellness and Movement Sciences, must be a member of a professional organization, at least by their senior year.

Degree Descriptions

Exercise Science: This major has four options (Exercise Science; Pre-AT; Pre-OT; Pre-PT), and is designed for those students who are interested in fitness, sports performance, or clinical exercise positions; and those who plan to enter a graduate program in athletic training, exercise science, occupational therapy, physical therapy, or chiropractic. Graduates are prepared to work as managers and directors of fitness programs in various settings, including corporate fitness, commercial fitness clubs, YMCA, sports performance and strength and conditioning facilities, and retirement centers or hospital rehabilitation programs in cardiac rehabilitation, respiratory therapy and diabetes support. The program and course work prepares students to pursue certifications from various fitness organizations including ACSM, NASM, NSCA and ACE.

Note: Completion of any one of the four degree options will not guarantee completion of 60 upper division credits required to graduate. Additional courses will be necessary to complete general education requirements. Students should work with their advisor to select appropriate courses or a minor.

Health and Physical Education: The Health and Physical Education (BAE) degree is designed for those students pursuing a teaching endorsement. Students will become certified to teach K–12 within both the health and physical education areas. We also continue to offer a non-teaching physical education coaching minor.

Recreation: Within the field of recreation there are three majors: Outdoor Recreation Leadership, Recreation and Tourism Management and Therapeutic Recreation. The nationally accredited Recreation programs focus on professions that offer many challenging and varied forms of employment. Trained recreation leaders are regularly hired in positions with cities, communities, youth agencies, parks, resorts, outfitting companies, convention centers, rehabilitation medicine, correction facilities, the armed forces and much more.

The recreation curriculum is designed to aid students in developing a philosophical and practical knowledge of recreation and leisure services. Students are exposed to skill-sets and competencies that are relevant to a career in recreation, which prepare them for a ten to sixteen week professional internship. Students may choose from a comprehensive curriculum in one of three majors listed above and minors in Aquatics Management, Experiential Education and Group Facilitation, and Sport Management.

Internship Requirement: prior to interning, students must complete three major requirements:

- each student must complete 1500 hours of practical experience in the recreation and leisure service field, prior to qualifying for the professional internship. These 1500 hours must be from three (3) separate sources with no more than 750 hours from any one source. (Therapeutic Recreation majors have specific requirements to fulfill regarding the number of hours and various populations; these majors must consult with their advisor.);
- applications for the Professional Internship must be presented to their faculty advisor no later than May 15. (Students may register for their internship, only during summer quarter.);
- each student must obtain a current Standard First Aid Card or Advanced First-Aid Card.

Public Health: Public Health majors are professionals who design, conduct and evaluate activities that help improve the health of all people. Placements will be in a variety of settings including public health and non-profit health agencies, worksite wellness programs, colleges and universities and government agencies. The majors are prepared to sit for the National Commission for Health Education Credentialing (CHES) examination and for graduate programs in public health and health promotion.

Special Program Information

Jack R. Leighton Human Performance Laboratory: The Leighton Human Performance Laboratory located in the Physical Education Classroom Building provides state-of-the-art equipment for clinical and research experience in the areas of athletic training, exercise physiology, motor learning, biomechanics, and health promotion conducted by faculty, graduate and undergraduate students. The lab is available for clinical evaluations and exercise prescriptions for faculty, staff, students and the community.

Fitness Center: The University Recreation Center (URC) Fitness Center is designed to meet the health, wellness and fitness needs of the EWU campus community. The URC Fitness Center has 15,000 square feet of fitness space with a variety of fitness options available. Activity options include: strength training (3 circuits, free weights, racks, and platforms), cardio equipment (treadmills, elliptical trainers, arc trainers, steppers, bikes, ascent trainers, stepmills; most with a view of a TV), and functional equipment (functional trainers, stability balls, TRX, medicine balls, BOSU). Also included are a multi-purpose gym (for basketball, volleyball, etc) and an indoor running track (1/9 mile). Fitness Instructors are always available to assist members during their workouts. To motivate and assist members in achieving their fitness goals personal training is available (for an additional fee). Each quarter the PEHR Department offers both PHED 150 and PHED 152 as a credit option for EWU students using the facility.

Graduate Program

Athletic Training: The Master of Science in Athletic Training (MSAT) major is designed for students who are interested in becoming certified athletic trainers. The major is designed to prepare students to sit for the Board of Certification's national examination and to work competently in the field of Athletic Training and Sports Medicine. Students wishing to be admitted must apply and be accepted into the MS in Athletic Training Program. Students in the program will receive formal instruction and

clinical practice in development of proficiencies in risk management and injury prevention, pathology of injuries and illnesses, assessment and evaluation, acute care of injury and illness, pharmacology, therapeutic modalities, therapeutic psychosocial intervention and referral, health care administration and professional development and responsibilities. Opportunities for employment exist in but are not limited to, athletic training in high schools, colleges and professional and non-professional athletic teams, sports medicine clinics, hospitals, health clubs, corporate fitness programs, and colleges and universities.

Physical Education: The Master of Science degree in Physical Education prepares students for a diverse array of careers in areas including athletic administration, coaching, directing fitness facilities and programs in a variety of settings. Additionally, the degree is applicable to those students interested in pursuing advanced graduate studies in related areas. This program provides an opportunity for students to focus on one of two areas of specialization: Sports and Recreation Administration or Exercise Science. All students are required to take a basic core of courses and then select a specialization track in Exercise Science or Sports and Recreation Administration. The Exercise Science track requires a thesis, and the Sports and Recreation Administration track has the option of a thesis, research report or written examination to complete the degree.

Admission Requirements

The MS in Athletic Training (MSAT) and the MS in Physical Education (MSPE) do not require the GRE or GMAT test scores. Students admitted into the MSAT program are admitted starting summer quarter, and students admitted into the MSPE program are admitted starting fall quarter. Requests for admission in other academic quarters are discouraged. Both programs require submission of completion of an undergraduate degree from an accreditation institution.

Athletic Training: Prospective students should hold a related baccalaureate degree from an accredited institution. Applicants for admission to the graduate program in athletic training must follow the EWU graduate application admission procedures outlined elsewhere in the catalog. In addition, applicants must write a short essay that describes how they became interested in becoming a certified athletic trainer and what makes them passionate about the field of athletic training (no longer than 1000 words). Applicants must submit a professional resume, including education and relevant experience, and three Eastern Washington University MSAT Recommendation forms to include: First Form - must be completed by the ATC who supervised at least part of your observation hours; Second Form - must be from a previous instructor or professor who can attest to your academic performance; and Third Form - must be completed by someone who can attest to their character, and not related to the applicant.

Applicants are also required to provide proof of ECC (Emergency Cardiac Care) certification, and provide their certificate of completion from either the American Red Cross or the American Heart Association or equivalent. ECC training must include all of the following: Adult CPR, Pediatric CPR, Second Rescuer CPR, Automated External Defibrillator (AED), airway obstruction and barrier devices (e.g., pocket mask, bag-valve mask).

Applicants are required to review the Technical Standards and determine one of the following: the applicant can meet the standards of admission as outlined OR the applicant can meet each of these standards with certain accommodations as outlined by the Office of Disability Support Services at EWU. After review, applicants must include a signed copy of the Technical Standards with a signature in the appropriate signature field. This will be submitted with their application packet.

Applicants must complete 100 hours of observation with a certified athletic trainer (ATC and/or LAT) and submit the "Verification Form" provided on the EWU admission application. *(Note: Preference will be given to applicants that provide proof of AT observations occurring at various healthcare sites and with different athletic trainers.)*

Applicants must also complete and include in the application, a copy of the Prerequisite Course Self Audit. All of the program specific requirements need to be submitted through the EWU Admission application.

Applicants will be informed of the program's enrollment decision no later than the last week of June, and notified utilizing the email address provided on the application.

Physical Education: Applicants for admission to the graduate program in physical education must follow the graduate admission procedures as outlined elsewhere in this catalog.

Final Comprehensive Examination Options

Before awarding a master's degree, each student must successfully complete one of two options: a thesis or other research project; or a written examination.

Option A: The thesis or research project will be selected in consultation with the student's faculty advisor. Each student shall complete an oral examination, which will focus primarily on the master's thesis or project but may also include questions to demonstrate competence in all areas included in the student's program. Students will provide copies of their master's thesis or project to the oral examination committee at least two weeks in advance of the scheduled oral examination.

Option B: The written examination is designed to test students' competence across the breadth of their program. Over the course of 4 hours, the student will address questions on research methods and statistics as well as theory and content. The student will approach prospective committee members to ensure they are willing to provide examination questions. The examination committee will consist of three graduate faculty members: two from the Physical Education, Health and Recreation Department, one of whom will chair the committee; and a faculty member designated by the Graduate Office. If the student does not pass in their first attempt, the student may be required to take additional courses and will be permitted to take the written examination one additional time. For option A, the final oral examination will be open to interested faculty and students and may be open to questions from non-committee members at the discretion of the committee. The final oral examination for option A will be no longer than 2 hours. With respect to option B, the examination will not be held over vacation periods or during summer quarter except by advance approval of all committee members.

Advising and Consultation

Information for High School and Transfer Students: High school and transfer students should consult with specific program directors in the WAMS Department during their first quarter at EWU. At that time, a program can be formulated and any previous college classes evaluated for the major. As soon as students have decided to major or minor in programs offered by the department, they need to contact the WAMS Department and declare a major.

Degree Descriptions

Pre-Major Declaration Prerequisite Requirements are detailed on each program.

Athletic Training Courses

ATTR 201. INTRODUCTION TO ATHLETIC TRAINING. 3 Credits.

Introduction to athletic training is a basic course designed to introduce the profession of athletic training to students who are interested in pursuing athletic training as a professional career choice. Students will be introduced to the following areas that encompass the athletic training field: athletic training as an allied health profession, current educational requirements for national practice, emergency planning and procedures, and environmental concerns. Hands-on experiences may include common wrapping, taping and bracing techniques.

ATTR 288. CLINICAL ATHLETIC TRAINING I. 1 Credit.

Pre-requisites: must be a declared Athletic Training major.

The course is designed to provide clinical experience in a professional athletic training setting. The student works as an assistant under the direction of a certified athletic trainer/clinical instructor. A portfolio completed by the student and checked off by the clinical instructor is used to document completion of competencies. This course should be taken three times during an academic career.

ATTR 296. EXPERIMENTAL COURSE. 1-5 Credits.

ATTR 339. ATHLETIC TRAINING. 4 Credits.

Pre-requisites: ATTR 201.

The purpose of the Basic Athletic Training Course is to provide participants with the fundamental aspects of Athletic Training including prevention, recognition, management and treatment of various musculoskeletal injuries. The lab portion of the class will address basic wrapping and taping techniques, as well as hands-on injury evaluation.

ATTR 340. THERAPEUTIC MODALITIES IN SPORTS MEDICINE. 4 Credits.

Pre-requisites: ATTR 339 or permission of course instructor.

The course covers techniques in therapeutic exercise, thermal therapy, hydrotherapy, cryotherapy and electrical modalities. It also introduces students to psychological and physiological responses to injury.

ATTR 341. REHABILITATION IN ATHLETIC TRAINING. 4 Credits.

Pre-requisites: ATTR 340 or permission of course instructor.

Design and supervision of rehabilitation programs for orthopedic athletic injuries. This will include common programs for major joint and musculoskeletal injuries; also will consist of learning techniques in therapeutic exercise, massage, joint mobilization, and proprioceptive neuromuscular facilitation.

ATTR 350. MEDICATIONS IN THE HEALTH CARE PROFESSIONS. 2 Credits.

This course covers usage of therapeutic medications for allied health care professionals. It explores the common medications used in the rehabilitative health professions. It also addresses the mechanisms of drug action in relation to the treatment of diseases, dosage requirements, drug interactions, side effects, legal considerations and general information and guidelines related to medication usage.

ATTR 360. GENERAL MEDICAL CONDITIONS. 3 Credits.

Pre-requisites: ATTR 341 or permission of the instructor.

This course will provide students an opportunity to learn about general medical conditions of the body system. Subjects covered will include mechanism of acquisition, signs, symptoms, referral, treatment and return to participation criteria. Students will develop a framework for decision making when evaluating individuals including athletes that present with these conditions.

ATTR 370. CONTEMPORARY HEALTH ISSUES IN ATHLETIC TRAINING. 3 Credits.**Pre-requisites:** ATTR 201 or permission of instructor.

This course provides an understanding of the personal and societal health issues they will encounter as a part of the profession of athletic training.

ATTR 388. CLINICAL ATHLETIC TRAINING II. 1 Credit.**Pre-requisites:** ATTR 288 or equivalent.

A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor is used to document completion of competencies.

ATTR 428. ORTHOPEDIC EVALUATION I. 4 Credits.**Pre-requisites:** ATTR 341 or permission of course instructor.

This course will provide students an opportunity to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation, as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment, range of motion and strength assessment of the pelvis, hip, thigh, lower leg, ankle and foot.

ATTR 429. ORTHOPEDIC EVALUATION II. 4 Credits.**Pre-requisites:** ATTR 428 or permission of course instructor.

This course will provide students an opportunity to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation, as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment and strength assessment in injuries involving the spine, shoulder, elbow, wrist, and hand.

ATTR 439. CURRENT TOPICS IN SPORTS MEDICINE. 1 Credit.

This course incorporates current topics that are not generally taught in the athletic training curriculum. It emphasizes student participation through a group presentation. The course is to be taken at least three times for the major.

ATTR 450. ADVANCED PROCEDURES AND TECHNIQUES IN ATHLETIC TRAINING. 3 Credits.**Pre-requisites:** ATTR 428 and ATTR 429.

This course introduces students to those skills and techniques used in the practice of athletic training that are beyond those typically considered basic in the profession, in that the procedures discussed and the practical skills attained are more time intensive and require pre-requisite foundational skills.

ATTR 488. CLINICAL ATHLETIC TRAINING III. 2 Credits.**Pre-requisites:** ATTR 388 or permission of instructor.

This course should be taken three times during an academic career. A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor is used to document completion of competencies.

ATTR 490. SENIOR CAPSTONE. 4 Credits.**Pre-requisites:** senior standing.**Satisfies:** a university graduation requirement—senior capstone.

The course is designed as the capstone for athletic training majors. It will focus on the administrative and management responsibilities required when working in the field of sports medicine including job requirements and problems faced as a professional. The final project will require students to work in groups to design an athletic training facility, addressing facility and equipment selection and organization, personnel selection and management, legal liability, insurance and budgeting.

ATTR 496. EXPERIMENTAL COURSE. 1-5 Credits.**ATTR 499. DIRECTED STUDY. 1-15 Credits.****ATTR 501. INTRODUCTION TO ATHLETIC TRAINING. 5 Credits.**

This course provides athletic training students with an introduction to the profession its role in the health care professions as well as the fundamental knowledge and basic athletic training skills necessary to begin working jointly with an athletic training preceptor in the field environment. The course will include injury prevention as it pertains to the environment, emergency planning and procedures.

ATTR 502. PATHOLOGIES IN ATHLETIC TRAINING. 5 Credits.**Pre-requisites:** ATTR 501.

This course provides athletic training students with the fundamental knowledge of pathological conditions that commonly occur in athletes. The course also assists in developing basic clinical skills necessary in the evaluation process of pathological conditions. Hands-on laboratory activities are incorporated.

ATTR 503. ORTHOPEDIC EVALUATION I. 5 Credits.**Pre-requisites:** ATTR 502.

This course will provide students with an interactive opportunity to learn and practice injury evaluation procedures used in the athletic training profession. The student will also be given an opportunity to participate in the teaching of specific parts of the evaluation to their fellow classmates. This course will address the aspects of the medical history and physical exam. Laboratory time required.

ATTR 504. ORTHOPEDIC EVALUATION II. 5 Credits.**Pre-requisites:** ATTR 503.

This course will provide students with an interactive opportunity to learn and practice injury evaluation procedures used in the athletic training profession. This course will address the aspects of the medical history and physical exam. Laboratory time will be devoted to palpation, structural assessment, neurological assessment, range of motion and strength assessment of a variety of areas in the upper extremity, head, neck, thorax and abdomen.

ATTR 511. THERAPEUTIC MODALITIES. 5 Credits.**Pre-requisites:** ATTR 501.

This course will provide students with an interactive opportunity to learn, discuss and practice the use of therapeutic interventions in the treatment of musculoskeletal injuries. Laboratory time will be devoted to recognition of signs and symptoms warranting intervention as well as their appropriate set up, application and removal. Additionally, students will have the opportunity to learn and practice more common manual therapies used in Athletic Training.

ATTR 512. REHABILITATION IN ATHLETIC TRAINING. 3 Credits.**Pre-requisites:** ATTR 501.

This course gives in-depth exposure to the theory and practical application of rehabilitation techniques used in a sports medicine environment. The primary focus of this course is rehabilitation goals, psychological considerations, specific orthopedic rehabilitation programs, exercise prescription and other important issues related to orthopedic rehabilitation of the lower extremity.

ATTR 513. REHABILITATION IN ATHLETIC TRAINING II. 2 Credits.**Pre-requisites:** ATTR 501.

This course gives in-depth exposure to the theory of rehabilitation used in a sports medicine environment with an added emphasis on the practical application of rehabilitation techniques. The primary focus of this course is rehabilitation goals, psychological considerations, specific orthopedic rehabilitation programs, exercise prescription and other important issues related to orthopedic rehabilitation of the upper extremity.

ATTR 514. ADVANCED TECHNIQUES IN ATHLETIC TRAINING. 3 Credits.**Pre-requisites:** ATTR 512.

This course will provide students with exposure and experience in orthopedic evaluation and rehabilitative techniques in areas not yet covered in the athletic training education program (ATEP) curriculum or at a greater depth in some areas where students have received basic information and training.

ATTR 521. EVIDENCE-BASED PRACTICE I. 2 Credits.**Pre-requisites:** ATTR 501.

This course will provide the students with an increased understanding of Evidence Based Practice and its application in the profession as well as assist students with developing research skills to critically review current research. It will also provide students an opportunity to utilize newly acquired research skills to develop and present a professional research project.

ATTR 522. EVIDENCE-BASED PRACTICE II. 2 Credits.**Pre-requisites:** ATTR 521.

This course will provide the students with an introduction to design of experiments, reliability and validity, data analysis, and hypothesis testing. More depth of understanding will be provided in the area of Evidence Based Practice and the research process. This course will also provide students training and education for the institutional review board (IRB) process.

ATTR 523. EVIDENCE-BASED PRACTICE III. 2 Credits.**Pre-requisites:** ATTR 521.

This course will provide the students with an opportunity to critically read and understand published clinical research in the field of athletic training. This course will also provide students training and education in writing a research proposal that will be submitted to the institutional review board (IRB).

ATTR 531. CLINICAL PROFICIENCY I. 2 Credits.**Pre-requisites:** ATTR 501.

This course provides athletic training students with in depth training, refinement, and practice of basic athletic training skills in order to become "proficient" in these areas. Students will also receive education and training in more advanced athletic training skills. The course will include wrapping, taping, bracing and splinting techniques; management of dermal injuries; the care of spinal trauma, and other emergency equipment.

ATTR 532. CLINICAL PROFICIENCY II. 2 Credits.**Pre-requisites:** ATTR 501.

This course provides athletic training students with in depth training, refinement, and practice of basic athletic training skills in order to become "proficient" in these areas. Students will also receive education and training in more advanced athletic training skills. The course will include wrapping, taping, bracing and splinting techniques; management of dermal injuries; the care of spinal trauma, and other emergency equipment.

ATTR 533. CLINICAL PROFICIENCY III. 2 Credits.**Pre-requisites:** ATTR 501.

This course provides athletic training students with in depth training, refinement, and practice of basic athletic training skills in order to become "proficient" in these areas. Students will also receive education and training in more advanced athletic training skills. The course will include wrapping, taping, bracing and splinting techniques; management of dermal injuries; the care of spinal trauma, and other emergency equipment.

ATTR 541. PHARMACOLOGY FOR THE ATHLETIC TRAINER. 2 Credits.**Pre-requisites:** ATTR 501.

This course will provide the students a working knowledge of therapeutic medications commonly used in the rehabilitative health professions. The material will primarily pertain to mechanisms of drug action in relation to the treatment of a disease, dosage requirements, drug interactions, side effects, legal considerations and general information and guidelines related to medication usage.

ATTR 542. CONTEMPORARY HEALTH ISSUES IN ATHLETIC TRAINING. 4 Credits.**Pre-requisites:** ATTR 504.

Students will gain an understanding for the personal and societal health issues they will encounter as a part of the profession of athletic training as well as the barriers and strategies to cope with maintaining a life balance. They will further explore the theoretical basis and application of psychosocial strategies and their clinical integration in the field of athletic training.

ATTR 543. GENERAL MEDICAL CONDITIONS. 4 Credits.**Pre-requisites:** ATTR 504.

This course will provide students an opportunity to learn about general medical conditions by body system, their mechanism of acquisition, signs, symptoms, referral, treatment, and return to participation criteria. Students will also develop a framework for decision making when evaluating individuals, including athletes that present with these conditions. Students will also be given the opportunity to interact with allied health care professionals through this class.

ATTR 544. PRINCIPLES OF ADMINISTRATION IN ATHLETIC TRAINING. 4 Credits.**Pre-requisites:** ATTR 504.

This course stresses the administrative and management responsibilities required when working in the athletic training/sports medicine field. It includes operation and design of an athletic training/sports medicine facility, insurance, legal issues, emergency action plans, personnel selection, budgeting, and organizational skills. There will be individual and group projects that will culminate in a final project that will be assessed by professionals within the field as well as your peers.

ATTR 551. PRINCIPLES IN CLINICAL APPLICATION I. 2 Credits.**Pre-requisites:** ATTR 533.

This course provides athletic training students with preparation into professional practice, including by not limited to the major areas of the national board of certification (BOC) examination, continuing education, and providing service. Students will have the opportunity increase their own understanding and professional skills through teaching various athletic training skills and techniques to newer students.

ATTR 552. PRINCIPLES IN CLINICAL APPLICATION II. 2 Credits.**Pre-requisites:** ATTR 533.

This course provides athletic training students with preparation into professional practice, including by not limited to the major areas of the national board of certification (BOC) examination, continuing education, and providing service. Students will have the opportunity increase their own understanding and professional skills through teaching various athletic training skills and techniques to newer students.

ATTR 553. PRINCIPLES IN CLINICAL APPLICATION III. 2 Credits.**Pre-requisites:** ATTR 533.

This course provides athletic training students with preparation into professional practice, including by not limited to the major areas of the national board of certification (BOC) examination, continuing education, and providing service. Students will have the opportunity increase their own understanding and professional skills through teaching various athletic training skills and techniques to newer students.

ATTR 588. CLINICAL PRACTICUM. 2-3 Credits.**Notes:** must be repeated.**Pre-requisites:** ATTR 501.

Students work under the supervision of a certified athletic trainer to gain experience and exposure to all aspects of athletic training.

ATTR 601. RESEARCH PROJECT. 1-6 Credits.**Pre-requisites:** ATTR 522. Permission of the instructor, department chair and college dean.

This course is designed to guide the student through the process of contributing to the body of knowledge in Athletic Training and Allied Health through the preparation of a clinical case report. In this course, students will work with faculty mentors to prepare the case report, write a research manuscript, and present research findings via platform and poster presentations. The assignment is to be completed as partial completion of the requirements for the degree of Master of Athletic Training.

Exercise Science Courses

EXSC 301. INTRODUCTION TO EXERCISE SCIENCE. 1 Credit.**Pre-requisites:** must be declared exercise science major.

This course covers the basic skills necessary for success in the Exercise Science Program and prepares students for a career or graduate school. Students are exposed to professionals from multiple career fields related to Exercise Science. Presentations include the development of a resume and cover letter, how to use the library effectively and various professional development tools. The goal of this course is to help you gain a clear understanding of your career aspirations and to help direct your studies towards those goals.

EXSC 388. EXERCISE SCIENCE PRACTICUM. 1-8 Credits.**Pre-requisites:** permission of the instructor.

This course is designed to assist Pre-Physical Therapy (PT) and Pre-Occupational Therapy (OT) students prepare for their application to graduate school. The Pre-PT and Pre-OT Exercise Science majors are required to observe and/or work under a licensed PT or OT in different settings. They will spend a minimum of 50 hours at any one location and can observe in 2-4 different locations.

EXSC 395. INTERNSHIP. 1-8 Credits.**Pre-requisites:** permission of the instructor.**EXSC 455. RESEARCH AND ANALYSIS. 3 Credits.****Pre-requisites:** CSBS 320 or MATH 380.

This course is designed to teach the students to critically analyze the literature in the field. In addition, they will be exposed to the criteria for good research and to evaluate how well articles in the field follow that criteria.

EXSC 460. PHYSIOLOGY OF EXERCISE. 4 Credits.**Pre-requisites:** EXSC 301, PHED 349 and PHED 350 or permission of the instructor.

The application of physiological principles to exercise. Special attention is given to energy sources, work, power, pulmonary system, cardiorespiratory neural control systems, sex differences, hypo- and hyperbaric pressure, heat balance, body composition, and the endocrine system in exercise.

EXSC 480. CLINICAL EXERCISE PHYSIOLOGY. 3 Credits.**Pre-requisites:** PHED 350 or permission of the instructor.

This course presents a detailed understanding of the latest advances in the emerging field of clinical exercise physiology. The focus is on diseases, where exercise can impact onset, treatment or outcomes, i.e., diseases of the cardiovascular, endocrine and musculoskeletal systems.

EXSC 481. ELECTROCARDIOLOGY INTERPRET. 3 Credits.**Pre-requisites:** BIOL 232, BIOL 233.

This course teaches the interpretation of electrocardiograms (ECGs). It will cover normal and pathological changes both at rest and during exercise.

EXSC 488. PROFESSIONAL INTERNSHIP. 5-15 Credits.**Pre-requisites:** permission of the instructor.

This course is designed to assist Exercise Science students prepare for a job in their chosen field. The internship experience is hands-on under the supervision of a professional, monitored by the faculty advisor. Students will have completed the majority of their course work to prepare for the experience. The requirement is 400 hours and may be divided into up to three locations. The experience will be documented through record of hours and regular reflections of the experience as a potential career location, as well as evaluations by the site supervisor.

EXSC 490. SENIOR CAPSTONE IN EXERCISE SCIENCE. 4 Credits.**Pre-requisites:** senior standing and EXSC 460.

Satisfies: a university graduation requirement—senior capstone. This course is designated as a departmental capstone for Exercise Science majors. They will study the process of assessment and prescription of apparently healthy adults. There will be end-of-program assessment, both written and practical. Students will also study a current issue in the field through research, group projects and written and oral presentations. The course is designed to help students prepare for the ACSM's Certified Health Fitness Specialist, the benchmark exam in the field.

EXSC 495. INTERNSHIP. 1-15 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

EXSC 496. EXPERIMENTAL COURSE. 1-15 Credits.**EXSC 499. DIR STUDY. 1-15 Credits.**

Physical Health and Education Courses

PHED 120. PE ACTIVITIES. 1 Credit.

Notes: designed primarily for women.

Women's conditioning classes for varsity sports, volleyball, tennis, basketball, soccer, track, etc.

PHED 125. PE ACTIVITIES. 1 Credit.

Notes: co-educational.

Aerobics, archery, aquacise, aquatic fitness, badminton, basketball, better back program, bicycling, corrective lab, country swing dance, frisbee, fun and fitness, golf, gymnastics, jogging, karate, military conditioning, personal defense, pickleball, progressive weight training, racquetball, running, self-defense, skiing, soccer, softball, social dance, swimming, tennis, trap shooting, triathlon training, volleyball, and walking. Corrective laboratory is offered for those unable to participate in regular activities because of disability.

PHED 130. PE ACTIVITIES. 1 Credit.

Notes: designed primarily for men.

Men's conditioning classes for varsity sports: baseball, basketball, cross country, football, tennis and track.

PHED 132. KINESIOLOGICAL APPLICATIONS OF HUMAN ANATOMY AND PHYSIOLOGY. 4 Credits.

Offered: Fall This course will provide students with an understanding of the physiological and anatomical basis of human movement. Students will be presented with examples from sports, physical activity, recreation and rehabilitation to enhance their understanding of anatomical structures, their origin, insertion and function.

PHED 135. SPECIALIZED FITNESS ACTIVITIES. 2 Credits.

Includes a group of fitness-based activity classes designed to promote muscular strength and endurance, cardiovascular endurance and flexibility. Programs are developed to meet individual participants' interests and fitness levels, and activities are conducted at a variety of locations.

PHED 150. FAST FITNESS. 2 Credits.

Comprehensive physical fitness course designed to develop strength, flexibility, and endurance (muscular and cardiovascular) in an effective and efficient manner through use of the EWU Fitness Center. Mandatory orientation and evaluation (pre-testing and post-testing) accompanies the program. Designed to develop baseline fitness levels for all persons with varying fitness levels. Lab.

PHED 151. GROUP EXERCISE. 2 Credits.

Group Exercise involves fitness activities done with music using cardiovascular exercise, muscular strength endurance, and flexibility exercises are used to develop the health related components of physical fitness. Classes may include step training, aerobic kickboxing, yoga for fitness, stability ball training, and muscle pump classes. Emphasis will be placed on improving fitness, having fun, and learning about healthy living.

PHED 152. STRENGTH/WEIGHT TRAINING. 2 Credits.

Strength/weight training provides students an opportunity to develop musculoskeletal fitness based on the scientific principles of resistance training. Assistance will be given to students in developing a program design to meet their fitness goals.

PHED 196. EXPERIMENTAL COURSE. 1-5 Credits.**PHED 197. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 2 Credits.****PHED 199. DIRECTED STUDY. 1-15 Credits.****PHED 251. MOTOR CONTROL AND LEARNING. 3 Credits.**

This course introduces students to the processes that underlie human movement through bridging the gap between research and practice. It provides the necessary tools to build a solid foundation for assessing performance, providing effective instruction, designing practices and training experiences to optimize skill acquisition and performance.

PHED 259. SPORTS FIRST AID AND INJURY PREVENTION. 3 Credits.

This course is designed for those seeking to become coaches in high school, college and university, Olympic and competitive club-sport programs for athletes 14 years of age and older. The primary objective of this course is to introduce the coach to the importance of safety and injury prevention in sport settings.

PHED 260. SPORT SCIENCES FOR COACHING. 3 Credits.

Notes: Leader Level.

Men's conditioning classes for varsity sports: baseball, basketball, cross country, football, tennis and track. A professional preparation course for coaches designed to acquaint students with basic scientific information needed in coaching.

PHED 261. COACHING SPORTS TECHNICAL AND TACTICAL SKILLS. 3 Credits.

The course is designed for those seeking to become coaches in high school, college and university, Olympic, and competitive club-sport programs for athletes 14 years of age and older. Students will gain a solid understanding of sport-specific technical and tactical skills in order to teach these skills effectively. They will also gain valuable insight on developing practice and season plans and coaching on game day.

PHED 265. INTRODUCTION TO COLLEGE LIFE. 3 Credits.

Notes: only offered fall quarter.

This course is designed to assist EWU freshman and transfer student-athletes in transitioning to Eastern Washington University and to Eagle athletics, developing and improving essential academic, personal health and wellness, and social skills, making connections with the campus and local community as well as becoming oriented with campus resources and facilities and exploring career and academic goals.

PHED 278. COACHING VOLLEYBALL. 3 Credits.

Coaching techniques and strategies in volleyball.

PHED 281. COACHING FOOTBALL. 3 Credits.

Coaching techniques and strategies in football.

PHED 282. COACHING BASKETBALL. 3 Credits.

Coaching techniques and strategies in basketball.

PHED 283. COACHING TRACK. 3 Credits.

Coaching techniques and strategies in track.

PHED 285. COACHING BASEBALL/SOFTBALL. 3 Credits.

This course provides an introduction to coaching techniques and strategies in baseball and softball.

PHED 296. EXPERIMENTAL COURSE. 1-5 Credits.

Pre-requisites: permission of the instructor and the department chair. Special studies in physical education. Selected topics vary according to student and faculty interest.

PHED 299. INDIVIDUAL STUDIES. 1-5 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

Study of selected problems in physical education.

PHED 301. PERFORMANCE ENHANCEMENT IN SPORT AND PHYSICAL ACTIVITY. 3 Credits.

This course is designed to be a practical, hands-on approach to a broad range of interventions aimed at improving performance in sport and physical activity settings. The focus of the course is on key mental tools (e.g., imagery, goal-setting, relaxation techniques, self-talk) and how they can be applied to facilitate enhancement of the key mental skills such as self-confidence, concentration, controlling emotions and staying optimally motivated. The course material is designed to help all students who are interested in maximizing performance in sport or physical activity.

PHED 333. GROUP EXERCISE INSTRUCTOR TRAINING. 2 Credits.

This course educates potential group exercise instructors. The content includes practical experience in group fitness activities. Upon completion of this course, students will be better prepared to take the ACE national group fitness exam and design a safe and effective class.

PHED 334. PERSONAL TRAINING. 3 Credits.

Personal Training is a comprehensive course designed to prepare students to become certified Personal Trainers.

PHED 335. STRENGTH AND CONDITIONING PROLAB. 2 Credits.

A professional laboratory course is designed to provide the knowledge and practical experiences necessary for becoming a certified strength and conditioning professional. The focus of the course is on athletic populations.

PHED 336. INDIVIDUAL SPORTS. 2 Credits.

Pre-requisites: PHED 337 and PHED 375 with a grade \geq B- or permission of instructor.

This course is a physical education course designed to develop skills and progressive methods in teaching individual sports for effective K-12 instruction.

PHED 337. TEAM SPORTS. 2 Credits.

Notes: successful completion of the WEST-B exam is recommended.

Pre-requisites: PHED 341 and PHED 365 with a grade \geq B-, concurrent enrollment in PHED 375.

This is a physical education course designed to develop skills and progressive methods in teaching team sports for effective K-12 instruction.

PHED 340. RHYTHMS AND GAMES. 2 Credits.

Notes: taught spring quarter.

Pre-requisites: PHED 337 and PHED 375 with a grade \geq B- or permission of instructor.

This course is designed to develop skills and progressive methods in teaching games using rhythm for effective K-12 instruction. Activities could include dance, movement experiences and games that help develop motor skills.

PHED 341. ELEMENTARY SCHOOL ACTIVITIES. 2 Credits.

Pre-requisites: HLED 200 with a grade \geq B- and concurrent enrollment in PHED 365 or permission of instructor.

This course is designed to develop skills and progressive methods in teaching a wide range of activities appropriate for elementary physical education classes.

PHED 342. 6-12 OUTDOOR EDUCATION BASICS. 2 Credits.

Pre-requisites: PHED 337 and PHED 375 with a grade \geq B- or permission of instructor.

This course is designed to develop skills and progressive methods in teaching lifelong leisure activities for effective K-12 instruction. Activities such as road and mountain bicycling, rock climbing, hiking-camping, canoeing, golf, cross-country skiing, orienteering and adventure ropes may be included.

PHED 343. WELLNESS AND FITNESS. 2 Credits.

A physical education course designed to develop skills and progressive methods in teaching wellness and fitness for effective K-12 instruction.

PHED 348. ANATOMICAL/MECHAB KINESIOLOGY. 4 Credits.

A study of the structural components of human movement, as well as the study of the laws of physics as they affect human movement. Special attention is given to the analysis of movement.

PHED 349. ANATOMICAL KINESIOLOGY. 4 Credits.

A study of the structural components of human movement. Special attention is given to the analysis of movement.

PHED 350. PHYSIOLOGICAL KINESIOLOGY. 4 Credits.

A study of the functional components of human movements, especially the variables of flexibility, strength and endurance, the cardiovascular system and ergogenic aids.

PHED 351. PROFESSIONAL DEVELOPMENT FIELD PRACTICUM. 1-5 Credits.

Pre-requisites: by permission of instructor.

Involves the practical application of related Health and Fitness: coaching, leadership, and/or mentoring learned skills, knowledge, and abilities in either a formal or informal school setting or community agency. Students will document their work in accordance with the PEHR Department policies.

PHED 352. MECHANICAL KINESIOLOGY. 4 Credits.

This course is concerned with the mechanical principles applied to athletic movements. The information will provide a biomechanical basis for teaching and coaching physical activities. Sports skills will be analyzed and the underlying mechanical principles governing these movements will be identified. A significant amount of mathematical and quantitative calculations will be performed in this course. A final project is required.

PHED 360. ADVANCED PERSONAL TRAINING. 3 Credits.

Pre-requisites: PHED 334 or permission of instructor.

This course is designed to combine the business and marketing aspects of personal training with the applied components of program design, progression and client retention and acquisition.

PHED 365. GENERAL METHODS AND PROCEDURES FOR PHYSICAL EDUCATION. 3 Credits.

Pre-requisites: HLED 200 with a grade \geq B- and concurrent enrollment in PHED 341 or permission of instructor.

This course is designed to introduce Health and Fitness majors to the general methods and procedures related to conducting physical education classes in elementary and secondary schools.

PHED 366. INTRODUCTION TO SERVICE, CITIZENSHIP AND COMMUNITY. 3 Credits.

Pre-requisites: PHED 265 or permission of instructor.

This course is designed to build upon the activities completed in "Introduction to College Life" that make a successful college career while also thinking more deeply about career choices. Furthermore, this course is designed to provide students with an opportunity to engage in a 15-hour service-learning component working with a population or in a program of interest career wise that will assist them in examining their strengths through the lens on the project.

PHED 367. ENGAGED LEADERSHIP. 3 Credits.

Notes: this class will only be taught summer quarter.

Pre-requisites: PHED 366 or permission of instructor.

This course is designed to assist students in developing their leadership skills. Students build upon the work they performed at their previous service-learning placement by creating a sustainable, capacity building legacy project with the organization. They develop skills for becoming leaders in their fields of study and in their communities.

PHED 370. SPORT AND CULTURE. 4 Credits.

WINTER This course is the study of the interrelationships between sport and culture, including religion, politics, economics, race, arts and science.

PHED 375. ASSESSMENT IN HEALTH AND FITNESS. 3 Credits.

Notes: successful completion of the WEST-B exam is recommended.

Pre-requisites: PHED 341 and PHED 365 with a grade \geq B-, concurrent enrollment in PHED 337.

This course covers the knowledge of commonly used health and fitness assessments in order to analyze K-12 student learning and development, as well as teaching effectiveness.

PHED 388. PERSONAL TRAINING PRACTICUM. 1-2 Credits.

Pre-requisites: by permission of instructor.

This course is designed to provide students pursuing the Personal Training Minor an opportunity to observe/gain experience in a professional setting. Students are required to spend a minimum of 60 hours (2 credits). The practicum experience will be documented through record of hours, and a final reflection of the experience.

PHED 390. HEALTH AND PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOLS. 3 Credits.

Pre-requisites: ENGL 201.

Analysis of educationally sound programs and of procedures and practices in the development of basic health and physical education principles in the elementary school.

PHED 393. WATER SAFETY INSTRUCTOR'S COURSE. 3 Credits.

This course is designed to train students to teach the American Red Cross Learn to Swim Program. Prospective students are advised to take Lifeguard Training (PHED 394). Course is conducted to meet the requirements of the American Red Cross Instructor's course. Certificates are awarded to those who qualify.

PHED 394. LIFEGUARD TRAINING. 3 Credits.

Pre-requisites: 1. Swim 500 yds. continuously, using each of the following strokes for 100 yds. each: front crawl, breaststroke and sidestroke; remaining 200 yds. student's choice. No time requirement for this skill; 2. Submerge to a minimum of 7 ft. and retrieve a 10 pound object and return with it to the surface. No time requirement for this skill; 3. Tread water for two minutes using legs only. These skills will be tested the first class session.

A nationally certified course for Eastern Washington University students designed to teach lifeguard candidates the skills and knowledge needed to prevent emergencies and respond to aquatic emergencies (Professionalism, Prevention, Aquatic Rescues, CPR for the Professional Rescuer, First-aid and Spinal Injury Management). This course certification (National American Red Cross Lifeguarding) will prepare and qualify students for aquatic employment throughout the United States.

PHED 395. FIELD PRACTICUM. 2 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

Course designed to provide a minimum of 20 hours of practicum school experience in teaching physical education or coaching. The student works in an assistant capacity under a master teacher or coach (Elementary or Secondary Level). Journal procedures are planned and evaluated with the university instructor. At least two on-site visits are made by the instructor.

PHED 396. EXPERIMENTAL COURSE. 1-5 Credits.**PHED 399. DIRECTED STUDY. 1-5 Credits.****PHED 425. SPORT IN AMERICAN CULTURE. 4 Credits.**

Pre-requisites: junior or senior standing.

This course develops students understanding of the interrelationships between sports and culture in American society, particularly in collegiate and professional sport organizations. Upon completion of this course, the student should be able to identify and critically analyze issues and controversies in sport.

PHED 452. ADAPTED PHYSICAL EDUCATION. 4 Credits.

Pre-requisites: junior standing or permission of the instructor.

Laws and skills required of Physical Educators for the inclusion of all students with physical, mental, or social disabilities within a least restrictive environment.

PHED 454. MEASUREMENT AND EVALUATION IN HEALTH AND FITNESS. 3 Credits.

Pre-requisites: EDUC 303 or permission of the instructor.

This course assists in developing an understanding of assessment in health and fitness. The issues addressed include the importance of assessment for health and fitness, the components of assessment currently used in health and fitness, the development of personal beliefs about assessment, the matching of assessments to educational objectives, the evaluation of practice in relation to theory, and the need to reflect on actions to make necessary changes.

PHED 461. SPORTS AND EXERCISE PSYCHOLOGY. 3 Credits.

Pre-requisites: junior.

Designed to provide physical education teachers and coaches with information about motivation, communication, stress management, mental imagery and other topics for enhancing instructor-performance relationships and for stimulating improved sport performances.

PHED 490. CAPSTONE IN HEALTH AND PHYSICAL EDUCATION I. 3-4 Credits.**Pre-requisites:** PHED 336 and PHED 365 or permission of the instructor.**Satisfies:** a university graduation requirement—senior capstone.

This comprehensive course is specific to health and fitness knowledge, skills and practical hands-on teaching experience with variable content. Students will develop outlines and lesson plans and practice generic and specific instruction and management skills necessary for effective teaching.

PHED 491. CAPSTONE IN HEALTH AND PHYSICAL EDUCATION II. 1 Credit.**Notes:** the second part of the required capstone series.**Pre-requisites:** PHED 490.

This comprehensive course is designed to assist students in developing mastery in applying discipline-specific content to develop physically educated individuals; demonstrating competent movement and health enhancing fitness for teaching health/PE; and in planning developmentally appropriate health/PE learning experiences.

PHED 495. PROFESSIONAL INTERNSHIP. 1-15 Credits.**Pre-requisites:** Permission of the instructor, department chair and college dean. Learning Contract must be on file before the internship commences.

This course is a full-time working experience with youth in a health and/or fitness promotion program. The experience is under the direction of an health and fitness professional or a person of equivalent training. An approved CEL.

PHED 496. EXPERIMENTAL COURSE. 1-10 Credits.

A course in the developmental stages.

PHED 497. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-5 Credits.

Workshops dealing with specific aspects of physical education are conducted either during the summer or by extension.

PHED 498. SEMINAR. 1-10 Credits.**PHED 499. DIRECTED STUDY. 1-15 Credits.****Pre-requisites:** permission of the instructor, department chair and college dean.

Study of selected problems in the field of physical education.

PHED 500. INTRODUCTION TO GRADUATE STUDIES. 1 Credit.**Notes:** graded Pass/No Credit.

The purpose of this class is to introduce students to Eastern Washington University (EWU) and the Physical Education, Health and Recreation (PEHR) graduate school program.

PHED 505. CURRENT ISSUES AND ETHICS. 3 Credits.

This course is designed to prepare graduate students to make decisions based on the professional ethics and standards of practice.

PHED 506. SOCIO-CULTURAL STUDIES IN PHYSICAL ACTIVITY. 3 Credits.

An examination of the nature and place of sport in American life and an analysis of the interrelationship between sport and institutions, social systems and culture.

PHED 507. ADMINISTRATION AND MANAGEMENT IN HEALTH AND PHYSICAL EDUCATION. 3 Credits.

Planning, financing, designing, managing, and administering health, physical education, recreation and athletic facilities and programs.

PHED 508. PSYCHOLOGICAL BEHAVIOR IN SPORT. 3 Credits.**Pre-requisites:** general psychology course.

An examination of individuals participating in play, games, sports, and their competitive behavior.

PHED 509. ADVANCED PEDAGOGY IN PHYSICAL EDUCATION. 3 Credits.**Pre-requisites:** graduate standing.

A course detailing methods and procedures to teaching Physical Education classes and coaching athletic teams at all educational levels. The strong focus on advanced technology and methodology emphasizes that proper teaching/coaching procedures and techniques be employed in the instructional process, while allowing varying and personal teaching styles and attitudes to surface.

PHED 510. ADVANCED MOTOR CONTROL AND LEARNING. 3 Credits.

Provides the student with a comprehensive understanding of how physical movements are controlled and learned. Such an understanding is of practical importance to teachers and coaches of physical performers.

PHED 511. APPLIED SPORT PSYCHOLOGY. 3 Credits.**Pre-requisites:** PHED 508.

Provides comprehensive overview of applied educational strategies and techniques in sport and exercise psychology. Techniques such as imager, goal setting, self-talk, PRT and autogenies will be discussed as a means to achieve a prospective level of motivation, emotional control, self-confidence and concentration.

PHED 512. MOTIVATION IN SPORT AND EXERCISE. 3 Credits.

This class is designed to assist physical educators, coaches, recreation specialists, and others interested in sport motivation. Students will be introduced to a broad range of theoretical and applied motivational questions, including investigation of major motivational theories and paradigms, identification of primary motivational antecedents and consequences, as well as discussions on important measurement issues comparing the effectiveness of the most influential intervention strategies for enhancing motivation, and applying the motivational theory to answering critical applied motivational questions in sport and exercise.

PHED 517. SURVEY RESEARCH. 3 Credits.

The primary purpose of this course is to provide the student with a framework for the systematic evaluation of Physical Education, Exercise Science, and Recreation programs, services, facilities, and administrative functions as well as a basic understanding of the creation, implementation, and descriptive statistical analysis of survey research.

PHED 518. REVIEW OF LITERATURE. 3 Credits.**Pre-requisites:** PHED 505 or permission of instructor.

Review of research literature to assist the student in identifying areas of research in their discipline.

PHED 519. STATISTICS IN PHYSICAL EDUCATION. 3 Credits.**Pre-requisites:** grades \geq B in any of the following upper-division courses (or equivalent): BADM 503, BADM 561; CSBS 320, DSCI 346; DSCI 449 MATH 380, MATH 485, MATH 486, PHYS 514, PSYC 522, PSYC 532.

Application, analysis and manipulation of datasets drawn from research in physical education using SPSS and SAS.

PHED 520. RESEARCH METHODS IN PHYSICAL EDUCATION. 3 Credits.**Pre-requisites:** PHED 518 and PHED 519 or permission of the instructor. Study of the methods and techniques of research in physical education; practice in application to problems of current interest.**PHED 521. HISTORY AND PHILOSOPHY IN SPORT AND PHYSICAL ACTIVITY. 3 Credits.**

This course is an examination of historical and philosophical issues pertaining to sport and physical activity as it relates to global culture. Topics will include ethics, sportsmanship, gamesmanship, play and cultural influences of sport and physical activity from a historical and philosophical framework.

PHED 522. RISK MANAGEMENT: SPORT AND SCHOOL LAW. 3 Credits.

This course is a study of legal issues as they relate to athletic administrators, coaches, teachers and sport management personnel in the sporting realm. Students will examine and discuss current legal standards, issues and risk management theories utilizing case law studies, which will provide an understanding of the responsibilities and working knowledge of the law.

PHED 523. PROGRAM PROMOTION AND ADVOCACY. 3 Credits.

This course is designed to assist students in developing or enhancing their promotional efforts in advocating for their selected program. If you are currently engaged in implementing promotional activities, this class will provide you with an opportunity to enhance your efforts. If you need to start a promotional project, this class will kick-start you.

PHED 524. SPORTS MARKETING. 3 Credits.

This course is a study of sports marketing theories from experience and research, which provides an examination of marketing strategies, plan development, sporting organizational needs and goals, in both the public and private sector of sports business. Students will also reflect upon the influence of licenses, sponsorships, promotions, advertising, broadcasting and sales in the sporting world.

PHED 525. FACILITIES PLANNING, OPERATIONS AND MANAGEMENT. 3 Credits.

This course is designed to provide students with a framework for understanding various aspects of facilities in sport and recreation including: planning, management, design, scheduling, and operations.

PHED 550. ADVANCED BIOMECHANICS. 3 Credits.

An examination of the mechanical aspects of human movement with an emphasis placed on descriptive and causal analysis. Students will perform laboratory projects using force plates, digitization of movement, and electromyography. Undergraduate experience in physics or biomechanics is expected to enroll in this course.

PHED 554. BEHAVIOR CHANGE-THEORY AND PRACTICE. 3 Credits.

This course will provide an overview of various models and theories of behavior change as they relate to wellness. Emphasis will be placed on applying theoretical concepts to facilitate the behavior change process among individuals and groups using a positive psychology approach.

PHED 555. ADVANCED PHYSIOLOGY OF EXERCISE. 3 Credits.

The physiological effects of muscular exercise, physical conditioning, and training along with the significance of these effects on health and physical performance will be discussed. Students are expected to possess a background in undergraduate anatomy and physiology as well as a course in exercise physiology to enroll in this course. Check with your advisor if you are unsure about your preparation for this course.

PHED 556. ADVANCED CLINICAL EXERCISE PHYSIOLOGY. 3 Credits.

The focus of this course will follow the requirements for the American College of Sports Medicine (ACSM) Registered Clinical Exercise Physiologist (RCEP) certification. The content will include how exercise impacts a variety of clinical conditions including cardiovascular, pulmonary, metabolic, orthopedic, musculoskeletal, neuromuscular and immunologic/hematologic systems.

PHED 557. TRAINING, PLANNING AND PERIODIZATION. 3 Credits.

The content of this course will cover classical and modern theories of periodization as a means of maximizing performance in sport. Planning sports training in terms of the physical, technical, tactical, psychological, and theoretical domains will be discussed in depth from the career level to the individual training lesson.

PHED 595. GRADUATE INTERNSHIP. 1-15 Credits.**PHED 596. EXPERIMENTAL COURSE. 1-6 Credits.****PHED 597. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-6 Credits.**

Notes: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

PHED 598. SEMINAR. 1-10 Credits.

Seminars dealing with special aspects of physical education.

PHED 599. INDEPENDENT STUDY. 1-6 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

PHED 600. THESIS. 1-9 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

PHED 601. RESEARCH REPORT. 1-6 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

PHED 602. COMPREHENSIVE PREPARATION. 2 Credits.

Directed course of reading and study under the direction of a faculty member serving on the students comprehensive examination committee.

PHED 695. INTERNSHIP. 1-15 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

The purpose of this course is to gain professional experience in the student's chosen career path under the guidance of a professional currently employed in the field. A wide variety of internship experiences are available including teaching, administration, marketing, research and professional writing.

PHED 696. COLLEGE TEACHING INTERNSHIP. 1-15 Credits.

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction, completion of a departmental project and student course evaluation.

Recreation and Leisure Services Courses

RCLS 125. RECREATION AND LEISURE SERVICES ACTIVITIES. 1 Credit.

Notes: co-educational.

Backpacking, basic rock climbing, scuba diving, skiing (cross country), canoeing, and rafting.

RCLS 196. EXPERIMENTAL COURSE. 1-5 Credits.**RCLS 197. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-5 Credits.****RCLS 201. RECREATION AND LEISURE IN MODERN SOCIETY. 4 Credits.**

An introduction and orientation to the professional opportunities, areas, requirements, and responsibilities involved in the professional preparation of recreation and leisure services administrators. Includes basic problems and trends influencing the status of recreation and leisure in our contemporary society. Covers history, definitions, and professional organizations.

RCLS 206. OUTDOOR LIVING SKILLS. 4 Credits.

Notes: a 4-day backpacking trip is required to complete this course.

Pre-requisites: declared Outdoor Recreation Major or permission of instructor.

This class teaches the fundamental outdoor living skills needed to be proficient in wilderness backpacking and a variety of wilderness-based activities. Students will have the opportunity to learn the knowledge and skills of wilderness backpacking, cooking in the backcountry, navigation, wilderness leadership, trip planning, risk management, and environmental ethics. These skills are consistent with core competencies outlined by the Wilderness Education Association.

RCLS 220. LEADERSHIP IN RECREATION AND LEISURE SERVICES. 3 Credits.

Pre-requisites: must be a declared Recreation Major (Outdoor Recreation, Therapeutic Recreation or Recreation and Tourism Management) or Experiential Education and Group Facilitation Minor or permission of instructor.

Emphasis on the elements of leadership in the recreation setting.

Designed to provide ideas on how to lead programs so they fit participant needs. Fieldwork is part of the requirement.

RCLS 225. GROUP FACILITATION TECHNIQUES. 4 Credits.

Notes: fieldwork is part of the course requirements.

This course teaches advanced leadership and facilitation skills for group initiatives and team building activities. Topics discussed include appropriate challenge activities to meet the needs of a specific group, understanding group dynamics, group goal setting and assessment, sequencing, framing, debriefing techniques and leadership considerations for individual and co-leader facilitation.

RCLS 230. WHITEWATER KAYAKING. 2 Credits.

This course is designed to instruct paddlers in whitewater kayaking techniques. The course will emphasize the essential skills needed for paddling moderately difficult rivers. The basic kayaking skills that are taught in the course include: paddle strokes, boat control, and basic whitewater safety information.

RCLS 240. OVERVIEW OF THERAPEUTIC RECREATION SERVICES. 4 Credits.

This course focuses on understanding the basic problems, needs and strengths of all disability groups in relation to developing and implementing a therapeutic recreation program.

RCLS 250. CAMP ADMINISTRATION AND LEADERSHIP. 3 Credits.

This course covers the philosophy, objectives, planning and operation of camps. It also provides an overview of counselors' responsibilities, programming, marketing, health and safety, as well as individual and group guidance techniques and trends.

RCLS 260. ARTS IN RECREATION. 3 Credits.

This course presents several media of art, i.e. mask making, clay, paper art, music and physical movement, and delves into the historical and cultural interpretations of each medium. Hands on application and practice with the medium follows, accompanied by teaching guidelines and discussion of adaptations for various populations.

RCLS 270. DIVERSITY AND SOCIAL JUSTICE IN RECREATION AND LEISURE SERVICES. 2 Credits.

Notes: taught fall and spring quarters.

Pre-requisites: RCLS 201 or permission of instructor.

This course is designed to enhance understandings of leisure in a diverse society. Students examine factors that influence leisure, explore how leisure mirrors broader cultural values, and learn ways to use leisure to expand their own cultural understandings. In addition, students learn to think critically, understand and respect different perspectives, and appreciate the cultural and contextual nature of their leisure choices and actions.

RCLS 290. WILDERNESS AND REMOTE FIRST AID. 3 Credits.

The purpose of this class is to provide individuals a foundation of first aid principles and skills to be able to respond to emergencies and give care in areas that do not have immediate emergency medical services (EMS) response.

RCLS 296. EXPERIMENTAL COURSE. 1-5 Credits.**RCLS 297. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-5 Credits.****RCLS 300. PUBLICITY AND PROMOTION IN RECREATION. 4 Credits.**

Provides skills, techniques and ideas for designing visual aids, working with the media and developing a five-step promotion package for recreation and leisure service agencies.

RCLS 305. WINTER CAMPING AND TRAVEL. 4 Credits.

Pre-requisites: RCLS 206 or permission of the instructor.

Introduction to winter camping and modes of oversnow travel such as snowshoeing and cross-country skiing. Emphasizes skill development in winter camping techniques, natural shelter construction, and equipment familiarization, supported through field experience.

RCLS 307. MOUNTAINEERING. 3 Credits.

Pre-requisites: RCLS 305 or permission of the instructor.

Designed to provide a comprehensive program of basic mountaineering. Intensive consideration given to snow and glacier travel as well as other skills necessary for safe alpine mountaineering. Includes two weekend field trips.

RCLS 313. PUBLIC LANDS AND OUTDOOR RECREATION. 4 Credits.

Pre-requisites: RCLS 201.

This course is designed to provide an overview of wildland recreation management history, principles, practices and contemporary issues. An additional emphasis of the course is to expose students to the seven principles that guide the mission of the Leave No Trace Center for Outdoor Ethics.

RCLS 315. WILDERNESS SURVIVAL. 3 Credits.

Provides basic life-support skills and information to help you predict and prepare for the types of emergencies you are likely to encounter in a particular geographic location. Course includes an overnight encounter with limited supplies.

RCLS 325. OUTDOOR ADVENTURE PROGRAMMING. 3 Credits.

A survey of outdoor adventure education programs. Includes historical development and future trends as well as methods of initiating outdoor adventure education within a curriculum or program.

RCLS 330. INTERMEDIATE WHITEWATER KAYAKING. 2 Credits.

Notes: Further instruction and development is advised upon the completion of this course. The ACA recommends completing an advanced whitewater kayaking class as the next step in the student progression. See the instructors of this class or go to www.ACA.org for more information.

Pre-requisites: permission of instructor.

The course is best suited for paddlers who have continued to develop their kayaking skills and acquire experience in the whitewater environment, including the ability to reliably roll a capsized boat in Class II whitewater. The intermediate kayaking skills and information taught in this course emphasize developing good judgment and decision-making skills; group management; developing an ethic of environmental stewardship; intermediate paddling techniques and mechanics; the presentation of on-water scenarios to assess risk, evaluate rapid features, and develop strategies; and the principles of safety and rescue for individuals and groups.

RCLS 335. CHALLENGE COURSE PRACTITIONER. 4 Credits.

This course teaches proper technical and facilitation practices for spotted activities, low, and high challenge course elements. Emphasis is on developing the skills required to operate a challenge course including operations management, core, technical and facilitation competencies. Students are introduced to current challenge course industry standards for challenge courses. Course requirements include hands-on experience, spotting at low height and climbing at height.

RCLS 340. AQUATIC FACILITIES MANAGEMENT. 3 Credits.

Emphasis on pool, beach, and lake properties concerning operation, administration, maintenance, supervision, trends, water chemistry, health and safety, public relations and other aquatic topics.

RCLS 345. THERAPEUTIC RECREATION FOR PEOPLE WITH DISABILITIES. 4 Credits.

Pre-requisites: declared Therapeutic Recreation Major or permission of instructor.

This course covers the information necessary for you to identify, define and describe major physical disabilities including their implications for therapeutic recreation programming.

RCLS 349. YOUTH SPORTS MANAGEMENT. 2 Credits.

This course is designed to introduce students to the primary responsibilities of a programmer or administrator in the youth sports management setting. Topics include managing risk, finances, leagues and tournaments, parents, coaches, and referees.

RCLS 350. RECREATION PRACTICUM. 5 Credits.

Pre-requisites: RCLS 201.

Direct observation and on-the-job participation in the programming and operation of recreation programs within the local recreational community to enhance your programming, scheduling, and leadership techniques under a supervised situation.

RCLS 351. FIELD PRACTICUM. 1-15 Credits.

Involves the practical application of theoretical concepts and recreation-related skills in a recreation and leisure services organization. Requires three (3) hours of work, per week, for every credit assigned, i.e.; one credit equals thirty hours of work over a ten-week period. Students must document their work in accordance with PEHR department policies.

RCLS 355. LEAVE NO TRACE TRAINER. 2 Credits.

Notes: upon successful completion of the Trainer Course participants will receive a Leave No Trace Trainer Certificate.

This course is designed for individuals who are interested in teaching Leave No Trace Awareness Workshops or expanding their knowledge of Leave No Trace principles. Through classroom discussions, lectures and hands-on field experience, this course will cover the seven Leave No Trace principles and discuss outdoor ethics, and give participants the tools and techniques for disseminating low-impact skills to recreationists.

RCLS 360. FACILITY PLANNING AND ENVIRONMENTAL DESIGN. 4 Credits.

Notes: field work is part of the requirement.

Pre-requisites: RCLS 201 and junior standing or permission of the instructor.

Design and trends in recreation facilities, as well as knowing environmental design techniques, environmental impact statements, and inter-agency cooperation.

RCLS 370. OUTDOOR RECREATION AQUATIC PROGRAMS. 3 Credits.

Pre-requisites: RCLS 125 Rafting.

An overview of major outdoor aquatic adventures such as river rafting and kayaking. Emphasis placed on developing a fundamental awareness of skills necessary in each activity in addition to logistical and business aspects of conducting excursions.

RCLS 375. WHITEWATER RAFTING GUIDE TECHNIQUES. 4 Credits.

Notes: the class will raft the most difficult sections of the Spokane River weekly and conclude with a four-day river trip.

Pre-requisites: declared Outdoor Recreation Leadership major or permission of the instructor.

This course focuses on the skills, knowledge and leadership techniques necessary for guiding rafts on whitewater rivers. Students will learn proficient technical skills to guide paddle rafts and oar rafts down class II, III and IV whitewater rivers. An emphasis on swiftwater rescue techniques will be provided throughout the course. Whitewater leadership skills and decision-making will be developed by students so they have the experience and competence to work as a whitewater raft guide.

RCLS 380. THEORY AND PRACTICE OF EXPERIENTIAL EDUCATION. 2 Credits.

This course is designed for students to examine and apply theoretical and practical foundations of Experiential Education within a variety of group-based educational environments. Students will examine the historical, philosophical, social and psychosocial foundations of experiential education and proceed to examine current trends, models and theoretical developments.

RCLS 385. PROGRAMMING IN RECREATION AND LEISURE SERVICES. 4 Credits.

Notes: fieldwork is part of the requirement.

This course presents steps to programming within the role and structure of public and private recreation services. Special focus is placed on determining participant needs and values, brainstorming, selection and implementation of ideas, evaluation techniques, and volunteer recognition and retention.

RCLS 395. INTERNSHIP. 1-15 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

An opportunity to gain field experience with various recreation and leisure service agencies.

RCLS 396. EXPERIMENTAL COURSE. 1-5 Credits.**RCLS 400. LEGAL FOUNDATIONS IN RECREATION AND LEISURE SERVICES. 4 Credits.**

Pre-requisites: RCLS 201 and RCLS 220 or permission of the instructor. This course includes the major considerations necessary to comply with legal safeguards in the leisure service profession.

RCLS 405. WILDERNESS UPGRADE FOR MEDICAL PROFESSIONALS. 4 Credits.

Pre-requisites: HLED 194 or permission of the instructor. This course will provide the necessary skills to assist an injured or ill person in a wilderness environment where advanced medical help is delayed by time, terrain, weather or distance. The focus of this class is on the acquisition of skills and knowledge to be able to assess a victim's condition, make an appropriate decision regarding treatment, use available or otherwise improvise the necessary supplies or equipment to manage the patient's condition and implement a plan for evacuation.

RCLS 410. OUTDOOR LEADERSHIP. 4 Credits.

Pre-requisites: RCLS 201, RCLS 206, RCLS 220; junior or senior standing or permission of instructor. A culmination of the outdoor recreation and skill-oriented courses with an emphasis on the concepts of outdoor leadership. Offers opportunities in group dynamics, program planning. Objective is to foster necessary attitudes and leadership skills related to adventure programming in outdoor recreation through field experiences. Includes two weekend field trips.

RCLS 415. SEARCH AND RESCUE MANAGEMENT. 4 Credits.

Pre-requisites: junior standing or permission of the instructor. A practical approach to learning search and rescue techniques and management. Emphasis on administrative procedures. A variety of resource specialists will present portions of the course.

RCLS 420. PROGRAM PLANNING AND EVALUATION IN THERAPEUTIC RECREATION. 4 Credits.

Pre-requisites: declared Therapeutic Recreation major or permission of instructor.

The purpose of this course is to suggest various activities used in rehabilitation of the disabled. The selection of activities is made using a social-behavior skill factor analysis of the activity lab.

RCLS 422. EXPEDITION PLANNING AND LEADERSHIP. 4 Credits.

Notes: students will develop and lead a seven day wilderness-based experience at the end of the quarter.

Pre-requisites: RCLS 305.

This course will teach students how to plan and lead outdoor recreation experiences in wilderness environments for multiple populations. Students will become familiar with planning adventure experiences, leadership approaches for varying environments, risk management for particular activities, the permit process with government agencies and budgeting for extended field experiences.

RCLS 425. EVALUATION, RESEARCH AND STATISTICS IN RECREATION AND LEISURE SERVICES. 4 Credits.

Pre-requisites: RCLS 385 and junior standing or permission of the instructor.

Covers basic methods of personnel and program components. Methods of sampling and survey techniques are addressed as they relate to recreation and leisure services.

RCLS 435. EMPLOYMENT PROCESSES IN RECREATION AND LEISURE SERVICES. 2 Credits.

Pre-requisites: RCLS 201, RCLS 220 and senior standing.

Designed to introduce the recreation student to the employment process: recruiting, application and resume screening, interviewing, checking of references, hiring, on-the-job training and probationary period.

RCLS 438. PROFESSIONAL ISSUES IN OUTDOOR RECREATION LEADERSHIP. 2 Credits.

Pre-requisites: senior standing and declared Outdoor Recreation Leadership major.

This course provides a foundation for many of the current professional issues in the field of outdoor recreation. Students will learn about current issues within outdoor recreation programs, outdoor education programs, public land management, and approaches to outdoor leadership. Students will learn about the professional opportunities that exist within the different sectors of the outdoor recreation industry and will help prepare them for their professional internship.

RCLS 440. PROFESSIONAL ISSUES IN THERAPEUTIC RECREATION. 4 Credits.

Pre-requisites: declared Therapeutic Recreation Major or permission of instructor.

Informs students of the constant changes and developments in the therapeutic recreation profession.

RCLS 445. PROCESSES AND TECHNIQUES IN THERAPEUTIC RECREATION. 4 Credits.

Pre-requisites: declared Therapeutic Recreation Major or permission of instructor.

This course is designed to assist therapeutic recreation majors with the mastery of skills, attitudes and knowledge required for professional service in therapeutic recreation. Special attention given to the therapeutic recreation specialist as a therapist in a medical model.

RCLS 450. ASSESSMENT TECHNIQUES IN THERAPEUTIC RECREATION. 4 Credits.

Pre-requisites: declared Therapeutic Recreation Major or permission of instructor.

This course enables the Therapeutic Recreation major to develop an understanding of the process of assessment and use of appropriate standardized tools used by the profession with an in-depth study of the most widely accepted tools.

RCLS 455. RESORT AND COMMERCIAL RECREATION MANAGEMENT. 3 Credits.

Pre-requisites: RCLS 201.

This course is intended to provide working management knowledge related to resort and commercial recreation enterprises.

RCLS 460. SUPERVISION OF THERAPEUTIC RECREATION SERVICES. 4 Credits.

This class will introduce the concepts, theories and practices of effective supervision in the health and human service delivery system. Covers the essential elements of supervision that are pertinent to being an effective practicing therapeutic recreation supervisor in either a clinical setting or a community-based therapeutic recreation setting.

RCLS 462. FOUNDATIONS OF TRAVEL AND TOURISM. 4 Credits.

Pre-requisites: RCLS 455.

This course provides students with an introduction and overview of the travel and tourism industry including historical, behavioral, societal and business aspects of travel and tourism. Narrowing in focus, students learn about the impact of tourism on communities and strategies for sustainability. Students examine various sectors of the tourism industry and have the opportunity to explore their own special areas of interest.

RCLS 463. GLOBAL CITIZENSHIP AND INTERNATIONAL TOURISM. 4 Credits.

Notes: offered spring quarter.

Students explore global citizenship with regard to travel and tourism. In particular, students examine ethical dilemmas in travel and tourism and learn how to research and identify environmental, socio-cultural and economic impacts of tourism on the destination.

RCLS 465. SEMINAR IN TRAVEL AND TOURISM. 4 Credits.

Pre-requisites: RCLS 462 or permission of the instructor.

This course is designed to offer recreation management majors an insight into some of the multidimensional and complex issues currently seen in the travel and tourism industry. Students explore, problem solve, report, and discuss current issues as presented in a series of tourism case-study scenarios. In addition, students gain hands-on experience by planning and implementing a seven-day field trip to a major tourist destination or city.

RCLS 470. ADMINISTRATION, ORGANIZATION AND SUPERVISION IN RECREATION AND LEISURE SERVICES. 4 Credits.

Pre-requisites: RCLS 425 and senior standing or permission of the instructor.

Local, state, and federal recreation and park programs; their organization and administration, and their relation to other social institutions; special emphasis on planning, financing and legislative provisions, governmental control, budget, personnel, departmental organization and administrative practices, especially on the local level.

RCLS 480. BUDGETING IN RECREATION AND LEISURE SERVICES. 4 Credits.

Pre-requisites: RCLS 201 and RCLS 385 or permission of the instructor.

This course is designed to identify both traditional and innovative methods of financing recreation services at the public and private level along with an analysis of personal spending and budgeting procedures. A complete budget document for a selected organization will be developed.

RCLS 490. SENIOR CAPSTONE IN RECREATION. 4 Credits.

Notes: this course is designated as the capstone course for those students majoring in recreation and leisure services within the Department of PEHR.

Pre-requisites: RCLS 470 and senior standing.

Satisfies: a university graduation requirement—senior capstone.

An assessment will be completed for each major. The course focuses on the issues facing recreation professionals as they enter the field. Using group problem solving techniques, lecture and a research paper, the students will present and defend a position on an issue or develop and defend a solution to an existing problem. A major focus is to develop an understanding of the group process as it relates to being a team member and the ability to use resources to develop a research paper.

RCLS 493. THERAPEUTIC RECREATION PROFESSIONAL INTERNSHIP. 12 Credits.

Pre-requisites: declared Therapeutic Recreation Major and compliance with RCLS Department's internship requirements or permission of instructor.

Full-time working experience in a therapeutic recreation service setting in line with student's professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 494. OUTDOOR RECREATION PROFESSIONAL INTERNSHIP. 12 Credits.

Pre-requisites: compliance with RCLS department's internship requirements; permission of the instructor, department chair and college dean.

Full-time working experience in an outdoor recreation service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 495. RECREATIONAL MANAGEMENT PROFESSIONAL INTERNSHIP. 12 Credits.

Pre-requisites: compliance with RCLS department's internship requirements; permission of the instructor, department chair and college dean.

Full-time working experience in a recreation and leisure service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 496. EXPERIMENTAL COURSE. 1-15 Credits.**RCLS 497. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-5 Credits.**

Periodically scheduled special workshops deal with aspects of recreation and leisure services.

RCLS 498. SEMINAR. 1-5 Credits.

Periodically scheduled special seminars deal with aspects of recreation and leisure services.

RCLS 499. DIRECTED STUDY. 1-15 Credits.

Pre-requisites: permission of the instructor, department chair and college dean.

Selected problems in the field of recreation and leisure services.

RCLS 542. SEMINAR. 1-5 Credits.**RCLS 599. INDEPENDENT STUDY. 1-10 Credits.**