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, 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.
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 ≥B-, concurrent enrollment in PHED 337 and PHED 375 with a grade ≥B- or permission of instructor.

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 ≥B-, concurrent enrollment in PHED 375.

PHED 338. 6-12 OUTDOOR EDUCATION BASICS. 2 Credits.
Pre-requisites: HLED 200 with a grade ≥B- and concurrent enrollment in PHED 365 or permission of instructor.

PHED 339. 6-12 OUTDOOR EDUCATION CLINICS. 1-5 Credits.
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 340. RHYTHMS AND GAMES. 2 Credits.
Notes: taught spring quarter.
Pre-requisites: PHED 337 and PHED 375 with a grade ≥B- or permission of instructor.

PHED 341. ELEMENTARY SCHOOL ACTIVITIES. 2 Credits.
Pre-requisites: HLED 200 with a grade ≥B- and concurrent enrollment in PHED 341 or permission of instructor.

PHED 342. 6-12 OUTDOOR EDUCATION BASICS. 2 Credits.
Pre-requisites: PHED 337 and PHED 375 with a grade ≥B- or permission of instructor.

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 344. RHYTHMS AND GAMES. 2 Credits.
Pre-requisites: PHED 337 and PHED 375 with a grade ≥B-, concurrent enrollment in PHED 375.

PHED 345. ELEMENTARY SCHOOL ACTIVITIES. 2 Credits.
Pre-requisites: HLED 200 with a grade ≥B- and concurrent enrollment in PHED 341 or permission of instructor.

PHED 346. ADVANCED PERSONAL TRAINING. 3 Credits.
Pre-requisites: PHED 334 or permission of instructor.

PHED 347. MECHANICAL KINESIOLOGY. 4 Credits.
A study of 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 348. ANATOMICAL/MECHANICAL KINESIOLOGY. 4 Credits.
A 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 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 353. 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 354. GENERAL METHODS AND PROCEDURES FOR PHYSICAL EDUCATION. 3 Credits.
Pre-requisites: HLED 200 with a grade ≥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 355. 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 356. 6-12 OUTDOOR EDUCATION CLINICS. 1-5 Credits.
This course is designed to develop skills and progressive methods in teaching outdoor education activities for effective K-12 instruction.

PHED 357. 6-12 OUTDOOR EDUCATION CLINICS. 1-5 Credits.
This course is designed to develop skills and progressive methods in teaching outdoor education activities for effective K-12 instruction.

PHED 358. 6-12 OUTDOOR EDUCATION BASICS. 2 Credits.
Pre-requisites: PHED 337 and PHED 375 with a grade ≥B-, concurrent enrollment in PHED 375.

PHED 359. 6-12 OUTDOOR EDUCATION BasICS. 2 Credits.
Pre-requisites: PHED 337 and PHED 375 with a grade ≥B- or permission of instructor.

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 ≥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 leadership experiences through a 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 369. DIRECTED STUDY. 1-5 Credits.  
**Pre-requisites:** PHED 265 or permission of instructor.  
This course is designed to provide students with an opportunity to engage in 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 370. SPORT AND CULTURE. 3 Credits.  
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 ≥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 380. 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 into 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 398. ASSESSMENT IN HEALTH AND FITNESS. 3 Credits.  
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 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 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 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 501. HEALTH BASICS. 4 Credits.
This course is designed to be an introductory health and wellness class
that provides a broad overview of a number of topics that specifically
focus on living a healthy, physically active lifestyle. Students will also
learn about current health issues and teaching strategies for optimal
delivery of health education content.
PHED 502. ELEMENTARY PHYSICAL EDUCATION. 4 Credits.
The primary focus of this course is for students to learn to demonstrate
and teach basic motor skills, which are first taught at the elementary
level. These skills are then built upon at the secondary level. Students
are also introduced to the basics of physical function/development of
children, a wide range of appropriate physical activities, and teaching
objectives/methods in elementary physical education.
PHED 503. SECONDARY PHYSICAL EDUCATION. 4 Credits.
In this course students will learn to perform, demonstrate, teach skills
and progressive methods and use assessments in teaching physical
education at the secondary level (middle and high school). Students will
explore meaningful ways to incorporate the three learning domains into
lessons. Teacher assessment and student self-assessment as means to
inform teaching and learning will be an additional focus of the course.
PHED 504. SKILL ACQUISITION AND PERFORMANCE IN PE. 4 Credits.
The purpose of this course is to provide an overview of the structures
and functions the organic, skeletal, and neuromuscular systems of the
human body contribute to motor performance. In tandem, students will
be provided tools for designing and delivering effective instruction as
well as assessing performance that will optimize skill acquisition and
performance.
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 513. ADVOCACY, PROMOTION AND PROGRAMMING IN HPED. 4 Credits.
The purpose of this course is to provide an overview of the importance of programming beyond the classroom as well as the need for promoting and advocating for your health and physical education programs. In tandem, students will be exposed to basic grant writing guidelines and fundraising strategies.

PHED 514. SEMINAR IN HEALTH AND PHYSICAL EDUCATION. 4 Credits.
The purpose of this course is to provide an overview of topics and trends related to teaching Health and Physical Education through an in-depth analysis, synthesis, and discussion through readings and other activities.

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 ≥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; PHY S 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.
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, sportmanship, 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 611. INTERNSHIP IN HEALTH EDUCATION. 2 Credits.
The purpose of this course is to provide information and activities on the foundation of K–12 health standards-based programming, curriculum, and instruction designed to for the purpose of instilling healthy behaviors in all learners. Health Education instructors need to demonstrate an understanding of health education content, health literacy skills, digital literacy skills, theoretical foundations of behavior change and learning, and applicable for all abilities.

PHED 612. INTERNSHIP IN PHYSICAL EDUCATION. 2 Credits.
The purpose of this course is to provide information and activities on the foundation of K–12 standards-based programming, curriculum, and instruction designed to assist students in pursuing lifelong healthy living. Physical Education instructors need to have core knowledge and skills regarding how best to meet the movement needs of not only competent movers but be a resource for all abilities.

PHED 613. HEALTH AND PHYSICAL ED PORTFOLIO. 2 Credits.
In this course, students will be able to create an e-portfolio that contains pieces of their work throughout their health and physical education courses in the M.Ed. program. This online portfolio will demonstrate students’ competency in content and skill as a health and physical educator. Students will be able to refer back to this portfolio as they seek jobs, or as a resource once they are in the HPED setting.

PHED 614. HEALTH AND PHYSICAL ED COMPREHENSIVE EXAM. 3 Credits.
The purpose of the comprehensive exam is to assess the knowledge and skills attained during the course of graduate study in the Master of Education program. The comprehensive exam requires students to integrate the principals, concepts, and research methodologies when employing academic language and using a formal writing style.

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.