

PET: Physical Education Theory Courses

Courses

PET 1905 Directed Study

College of Health, Department of Movement Sciences and Health
1-12 sh (may be repeated indefinitely for credit)

PET 2001 Introduction to Sport Performance Studies

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

This course is an introduction to the discipline of sport performance and provides an overview of sport coaching, sport pedagogy, and physical education teacher education. This course also exposes students to the careers available in the area of sport performance.

PET 2501 Sports Performance Analytics

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

This course provides an understanding of the procedures used to analyze sports performance. Students will learn to collect, analyze, and interpret data using a variety of qualitative and quantitative methods and techniques.

PET 2824 Analysis of Team Sports

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

Designed for potential physical education teachers and sports administrators. Emphasis is on development and understanding of skills in the most popular team sports in physical education and sports programs. Students are expected to participate in the class by teaching, coaching, practicing and learning sport skills. Skills are measured through midterm assessment (no physical performance standards, only cognitive understanding of game performance skills) and lesson assessment (teaching/coaching skill evaluation).

PET 3123 Historical Foundations of Sport and Fitness

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

For physical education and fitness and sport coaching majors. Designed to acquaint them with the knowledge and understanding related to the history and development of physical education, coaching, and physical activity professions.

PET 3344C Athletic Coaching Methods

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

This course provides students with specific methods on how to effectively coach in athletic and fitness settings. Emphasis is placed on understanding athletes, developing a clear coaching philosophy, planning for practices, games and seasons, player development, managing the athletic or fitness setting, and evaluating performance before, during, and between sport seasons.

PET 3351C Applied Exercise Physiology

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085 OR APK 2100C OR APK 2100/L

This course provides an overview of the fundamentals of exercise physiology, including muscles and muscle adaptation, fuel for exercise, and the cardiorespiratory system. This course specifically focuses on the hands-on practical application of these concepts and expands this knowledge to address the design of training programs for achieving specific goals. Special consideration of modifications for training programs, including adjustments for changes in altitude or temperature and considerations for populations such as children, older adults, and pregnant women will be discussed.

PET 3556C Designing Resistance Training Programs

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)
Prerequisite: PET 3351C OR APK 3110/L

This course outlines and applies the principles of fitness training and exercise programming. Various types of strength training techniques, including isometric and eccentric training will be implemented. Students will learn how and participate in weight training programs that interact with the other fitness components such as aerobic, interval, plyometric, and flexibility training. Students will gain hands-on experience in advanced training techniques, learn how to manipulate training variables in long-term weight training programming in order to improve various fitness and health goals.

PET 3640 Adapted Physical Education and Sport

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

Handicapping conditions and how physical activity is adapted to the special needs of individuals with these conditions.

PET 3905 Directed Study

College of Health, Department of Movement Sciences and Health
1-12 sh (may be repeated indefinitely for credit)

PET 4092 Skills and Tactics of Sport

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)

Skillful performance in games and sports and an understanding of the tactics in those activities. Students will actively participate in a variety of games, create modified games, assess game performance, and apply tactical skills.

PET 4310C Mechanics of Human Motion

College of Health, Department of Movement Sciences and Health
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L OR PET 3351C

Anatomical, mechanical, analytical and functional aspects of human motor performance; emphasis upon analysis of joint actions and mechanical principles and their application to efficient movement. This course focuses on applied biomechanics and skill development for students in the Fitness and Sport Coaching and Physical Education-Teacher Education (PETE) specializations. Material and supply fee will be assessed for integrated lab.

PET 4434 Youth Sport Pedagogy

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course is designed to prepare physical education teachers and coaches to plan and implement developmentally appropriate sport and physical activities for children and young adolescents.

PET 4744 Student Teaching in Physical Education

College of Health, Department of Movement Sciences and Health

9-12 sh (may not be repeated for credit)

Prerequisite: (1 FTCE Subject Area Test One AND (1 FTCE Subject Area Test Two AND 1 FTCE Special Ed AND 1 FTCE General Ed AND 1 FTCE Professional Ed AND 1 FTCE Subject Area Test One AND 1 FTCE Elementary Ed

Fourteen weeks of supervised teaching in a public or private school. Student teaching assignments will be made by application in Teacher Education Student Assessment System. Permission is required.

PET 4765 Theory and Practice of Coaching

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Introduction to coaching as a profession including ethical and legal considerations. Techniques and methods of coaching are explored. Active participation in a coaching internship in a selected sport and permission is required.

PET 4801 Sport Skill Acquisition and Motor Development

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course is designed to address motor development and skill acquisition. Students will learn motor developmental patterns and their application to the development of sport skills.

PET 4820 Adolescent Sport Pedagogy

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course is designed to prepare physical education teachers and coaches to plan and implement developmentally appropriate sport and physical activities for adolescents.

PET 4905 Directed Study

College of Health, Department of Movement Sciences and Health

1-12 sh (may be repeated indefinitely for credit)

PET 4940 Internship

College of Health, Department of Movement Sciences and Health

1-6 sh (may be repeated for up to 6 sh of credit)

Placement in an appropriate agency or organization for the purpose of gaining some experience in the field. Faculty and agency personnel will supervise the student as the student participates in a wide range of services available in the setting. Goals and objectives will be planned by the student, instructor and agency supervisor. Reports will be required on a regular basis with a final report and oral interview. Permission is required.

PET 4948 Physical Education and Coaching Field Experience with PK - 12

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Students will complete practical observations, field experiences and will teach and/or coach various age levels and abilities of children in the PK - 12 setting.

PET 5701 Systematic Observation in Sport and Physical Activity

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Students will learn to use a systematic approach to observe participants during teaching, coaching, and training. Emphasis will be on using published systematic observation instruments and the development of new instruments as objective tools for observation.

PET 5702 Advanced Management of Physical Activity Programs

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course will prepare students to effectively use current theory and administrative techniques to design and implement appropriate physical activity programs. Emphasis is placed on developing and implementing program plans.

PET 5708 Physical Activity Program Development

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

The aim of this course is to examine models and current research related to curriculum and program design in physical activity disciplines. This course will provide students with skills that will enable them to interpret, critique, evaluate, justify, and develop physical activity curricula and programs.

PET 5709 Leadership in Physical Activity and Sport

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course will assist students in developing knowledge and skills related to leadership in physical activity and sport settings. This course will provide students with the leadership skills that will enable them to examine, evaluate, create, and implement effective physical activity and sport programs.

PET 5805 Analysis and Supervision in Sport and Physical Activity

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course prepares students to analyze and supervise teaching, training, and quality in physical activity disciplines.

PET 5905 Directed Study

College of Health, Department of Movement Sciences and Health

1-12 sh (may be repeated indefinitely for credit)

PET 6015 Professional Issues in Physical Activity Disciplines

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course will assist students in understanding professional issues and concerns that are inherent parts of physical activity professions and to apply that understanding to professional participation and service contributions. Students will analyze and evaluate online professional information, critically analyze physical activity problems, critique and debate complex ethical problems within the field of physical activity, and articulate a sound philosophy for physical activity leadership.

PET 6223 Teaching and Motivation for Physical Activity Leaders

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course will lead students through the exploration of sport psychology research, particularly in areas that connect psychology and physical activity behavior. Students will connect theory to practice by integrating research and theory into logical coaching and teaching frameworks. Additional content will focus on how training actions impact performance and motivation.

PET 6514 Predictive Sport Performance Analytics

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Using quantitative data collection and analysis procedures, students will gain the skills and knowledge necessary to carefully analyze sport performance in an objective and data based manner. Students will also learn to use data to make effective recommendations and decisions to improve future sport performance at both the individual and team levels.

PET 6535 Research Methods in Sport Performance

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Students who complete this course will gain the skills and knowledge to engage in meaningful research within sport and physical activity settings. Topics covered will include methods to design and implement effective quantitative and qualitative research projects in physical activity and sport settings.

PET 6536 Advanced Strategies and Tactics of Sport Performance

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

Students completing this course will analyze, evaluate, and create strategic and tactical methods designed to produce success within sports settings.

PET 6706 Analysis of Research in Physical Activity Disciplines

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

The purpose of this course is to introduce students to various streams of research in physical activity domains and help them understand and critically analyze the quality of that research and its influence on professional activity.

PET 6707 Advanced Research Procedures

College of Health, Department of Movement Sciences and Health

3 sh (may not be repeated for credit)

This course is designed to develop the student's proficiency in conducting independent, original research. This includes protecting research participants, modifying research goals, communicating rationales for changes in a study, collecting data, analyzing statistical data, and advanced scholarly writing.

PET 6905 Directed Study

College of Health, Department of Movement Sciences and Health

1-12 sh (may be repeated indefinitely for credit)

PET 6950 Project in Lieu of Thesis

College of Health, Department of Movement Sciences and Health

3 sh (may be repeated for up to 6 sh of credit)

The project in lieu of thesis is a project or activity that makes a significant contribution to the field(s) associated with physical education and human performance fields. Project ideas will be conceptualized and organized by the student and the course instructor. There is no set format and guidelines for each individual project will be determined by the nature of the topic and the guidance of the instructor. Students will be guided toward project completion over two semesters.