

Master of Science Degree in Kinesiology and Recreation

Physical Education Pedagogy Sequence

Course Descriptions



KNR 417: Research on Teaching in Physical Education

3 Semester credits

Prerequisites: KNR 497 or cons. inst. req.

Course Description: Addresses research topics pertaining to teaching physical education by reading and synthesizing research for the development of a research project.

Course Overview: The course will focus on reviewing research topics on teaching in physical education by reading and synthesizing examples of research for the development of a research project. The student will identify a research topic pertaining to their interest and will design a research proposal as a start to their culminating Master's project or thesis.

KNR 418: Measurement and Evaluation in Physical Education

3 Semester credits

Pre-requisites: KNR 497 or consent of instructor

Course Description: Measure student learning and program effectiveness using assessment and descriptive/inferential statistics in a K-12 standards based physical education program.

Course Overview: This course is designed for teachers working in a K-12 setting. The purpose of this course is to develop statistical skills and knowledge necessary to effectively assess student achievement within the psychomotor, cognitive and affective domains of learning. Additionally, the course will address methods to assess teacher effectiveness related to program evaluation.

KNR 419: Contemporary Curricula in Physical Education

3 Semester credits

Course Description: Addresses research and practice related to contemporary curricula, curricular evaluation, design, learning standards alignment, and implementation in K-12 physical education.

Course Overview: This course provides an understanding of the contemporary curricular processes in physical education with regard to design and development, implementation, and evaluation in K-12 school settings. Discussions regarding curriculum alignment will focus on national and state physical education standards. Additionally, contemporary curriculum models, unique to physical education, are examined with application to public school settings.

KNR 421: Improving Instruction in Physical Activity Settings

3 Semester credits

Course Description: Advanced study of effective teaching practices in physical education through application of systematic observation techniques to assist teaching performance.

Course Overview: This course provides an understanding of effective teaching practices in physical education as well as the means to study teaching through the use of systematic observation instruments commonly used in clinical and research settings. Various strategies and techniques for the study of pre-service students in field experiences, student teachers in their culminating student teaching experiences, and practicing teachers who are currently in the field are also examined. Systematic observation provides timely and objective feedback regarding teaching performance. The use of reflection is also included to aid in the development of reflective practitioners.

KNR 422: Promoting Physical Activity and Fitness Education

3 Semester credits

Course Description: Exploration of current trends in physical activity and fitness programs and their impact on youth in various settings.

Course Overview: Study of current trends associated with youth physical activity and fitness in various school and community settings through the examination and critical analysis of research. Students will improve their knowledge of physical activity and fitness concepts, fitness assessments, design learning activities, and develop strategies to teach lifetime physical activity in various school and community settings to improve physical activity and fitness levels of youth.

KNR 423: Sociocultural Perspectives in Physical Education Pedagogy

3 Semester credits

Course Description: Examination and critical analyses of research on sociocultural factors influencing the teaching-learning process in physical education settings.

Course Overview: Study of current issues in physical education pedagogy through the examination and critical analysis of research on sociocultural factors (including socioeconomic status, gender, race, ethnicity, physical ability, sexual orientation, language and learning styles) on the teaching-learning process.

KNR 425: Technology Integration in Physical Education

3 Semester credits

Course Description: Study of teaching and learning implications while integrating technology in physical education. Design educational materials using technology.

Course Overview: This course provides an understanding of many factors that influence technology integration in physical education. Specifically, students will learn how to operate a device that may be used in physical education settings to pedagogical instructions that may have to be modified to fit new teaching strategies. Different technologies are presented as possibilities to enhance all three learning domains (psychomotor, cognitive, and affective). Students will learn to create/design new tools within technologies that will be presented throughout the course.

KNR 426: Clinical Supervision in Physical Activity Settings

3 Semester credits

Course Description: Evaluation of clinical supervision styles and skills. Focus on practicing clinical supervision and developing plans for teacher growth and development.

Course Overview: This course is designed to develop and enhance physical education teachers' supervision styles and skills to appropriately supervise and evaluate novice and experienced physical education teachers. This course will provide specialized knowledge of systematic observation, systematic feedback, communication skills, current teacher standards, and conferencing skills within a triad that will lead to professional growth and development.

KNR 427: Authentic Assessment in Contemporary Physical Education Programs

3 Semester credits

Course Description: Understanding and creating types of authentic assessment suitable for use in a K-12 physical education school setting.

Overview of Course: This course will focus on developing the skills and knowledge necessary to effectively create and administer various forms of authentic assessment in a K-12 physical education setting. The student will become competent in designing and implementing authentic assessment.

KNR 428: Contemporary Topics in Physical Education

3 Semester credits

Course Description: Addresses contemporary topics and issues pertaining to the enhancement of teaching and learning in physical education.

Course Overview: The course is designed to develop knowledge and understanding of contemporary topics and or issues, specifically directed toward the physical education teacher to enhance teaching and learning in the physical education setting.

KNR 497: Introduction to Research Methodology

3 Semester credits

Course Description: Introduction to and evaluation of research designs and published research. Enables students to improve their use and production of research.

Course Overview: This course is designed to provide practice at the skills necessary for writing, reading and evaluating research. We will explore different ways of knowing within social science research. We will establish a framework for critiquing a variety of research. We will carefully consider how this framework may need to be adapted to fit a variety of research methods. We will evaluate many research designs in terms of their potential to meet criteria outlined in the framework. We will consider how to evaluate the elements of academic research, these normally being the title, abstract, literature review, methodology, results and discussion of a research manuscript. Desirable and undesirable qualities of each element will be discussed, and specific questions you can ask of most research will be suggested for each element.