

# PHYSICAL EDUCATION (PE)

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**PE 505 PRACTICUM IN LIFETIME SPORTS (3 Hours)**

Designed to study lifetime sports such as tennis, archery, golf, swimming, badminton, and many others in which one may participate throughout life.

**PE 522 MOTOR LEARNING & HUMAN (3 Hours)****PE 540 ORG & ADM OF 2 & 4 YR CO (3 Hours)**

Study of the organizational structure of physical education in two and four year colleges. The course will cover theory, professional preparation and practices and administration. The course will show how administrative theories are developed. It will dwell on the broad process of administration that might be designed as decision making, communicating, activating, planning and evaluating.

**PE 550 RESEARCH IN PHYSICAL EDU (3 Hours)**

Study and application of research techniques to selected problems in health, physical education, and recreation.

**PE 552 BIOMECHANICS (3 Hours)**

In-depth study of the application of mechanical principles to athletic performance. The study will make application of laws of balance, motion, force, work and energy, to track and field, baseball, football, swimming, diving, gymnastics, basketball, golf, and tennis.

**PE 553 ADV PHYSIOLOGY OF MUS AC (3 Hours)**

Prerequisite: Human Physiology and/or Introductory Course in Exercise Physiology.

Lectures, discussions and experiments dealing with the structure, function and metabolism of skeletal and cardiac muscles. Emphasis on correlating muscle function with metabolic events. The biochemical basis of adaptation of muscle function is considered.

**PE 587 INDEPENDENT STUDY IN P E (1 Hour)**

Implementation of individual student research project under the guidance of an advisor.

**PE 589 INDEPENDENT STUDY IN P E (1-3 Hours)**

Opportunity for students to undertake independent study and research under the direction of a faculty member. The student will submit a written report and may be asked to stand a comprehensive examination of his work.