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# COURSE DESCRIPTIONS

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## PHYSICAL EDUCATION

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### **PE 5013: Structural and Mechanical Kinesiology Concepts**

Prerequisite: Undergraduate degree from an accredited university

An investigation of the structural and mechanical bases of human movement, sport, and exercise programming. Completion of this "leveling" course with a grade of "B" or higher is a prerequisite for admission into the SCS degree program for those students who have not already completed an undergraduate course in Kinesiology/Biomechanics with a grade of "B" or higher.

Note: This course does not count towards the Strength and Conditioning Studies degree requirements.

### **PE 5023: Applied Physiology Concepts**

Prerequisite: Undergraduate degree from an accredited university

An investigation into the acute responses and chronic adaptations made by the human body in adjusting to various types of physical activity. Completion of this "leveling" course with a grade of "B" or higher is a prerequisite for admission into the SCS degree program for those students who have not already completed an undergraduate course in Exercise Physiology with a grade of "B" or higher.

Note: This course does not count towards the Strength and Conditioning Studies degree requirements.

### **PE 6033: Exercise Physiology**

Prerequisites: PE 4033 or equivalent with the grade of B or better, PE 2653, and PE 3663 or approval of department head.

A study of the physiological changes in the human organism which accompany physical exercise and the implication of the changes for physical education.

### **PE 6043: Motor Learning and Control**

Prerequisites: PE 3663 or equivalent with grade of B or better and PE 2653, or approval by department head.

Provides an understanding of psychological principles involved in motor performance.

### **PE 6053: Biomechanics**

Prerequisites: PE 2653, PE 3663 or equivalent with a B or better, algebra or general mathematics, and physical science or physics, or approval by department head.

The application of physics as it relates to human movement. Specific emphasis will be made on the mechanics and common injuries involved with selected sport or work related movements.

### **PE 6063: Current Issues in Coaching and Athletics**

This course will afford the student the opportunity to analyze historical and contemporary coaching and athletics Issues and to develop cogent written and oral arguments regarding them.

### **PE 6073: Exercise and Sport Behavior**

Prerequisite: PE 4513 or approval by department head.

The course provides an in-depth view of the psychological aspects of human behavior in sport and exercise settings.

### **PE 6083: Research Methods and Statistics**

Prerequisite: PE 4523 or approval by department head.

Designed to familiarize the student with research literature, techniques, and statistical procedures used in physical education today.

### **PE 6881: Workshop**

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

### **PE 6882: Workshop**

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

### **PE 6883: Workshop**

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

**PE 6891: Independent Study**

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

**PE 6892: Independent Study**

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

**PE 6893: Independent Study**

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

**PE 6894: Independent Study**

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

**PE 6993: Thesis Research**

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.