Term Information

Effective Term: Spring 2013
Previous Value: Summer 2012

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Correct prerequisite- EDU PAES 2361 does not exist

What is the rationale for the proposed change(s)?
Semester clean-up

What are the programmatic implications of the proposed change(s)?
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
None.

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area: Education:Phys Actvty & Ed Svc
Fiscal Unit/Academic Org: Schl of Phys Act & Educ Serv - D1270
College/Academic Group: Education & Human Ecology
Level/Career: Undergraduate
Course Number/Catalog: 2360
Course Title: Kinesiology
Transcript Abbreviation: Kinesiology
Course Description: This course will examine the mechanics of the musculoskeletal system, both in vitro and in vivo, as they relate to the generation and maintenance of human movement.
Semester Credit Hours/Units: Fixed: 4

Offering Information

Length Of Course: 14 Week
Flexibly Scheduled Course: Never
Does any section of this course have a distance education component? No
Grading Basis: Letter Grade
Repeatable: No
Course Components: Laboratory, Lecture
Grade Roster Component: Lecture
Credit Available by Exam: No
Admission Condition Course: No
Off Campus: Never
Campus of Offering: Columbus

Prerequisites and Exclusions
Prerequisites/Corequisites

Previous Value
Concur: 2361.

Exclusions
Not open to students with credit for 360 and 361.

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code 36.0108
Subsidy Level Baccalaureate Course
Intended Rank Sophomore, Junior

Quarters to Semesters

Quarters to Semesters
Modified or re-envisioned course that includes substantial parts of the content and learning goals of one
or more quarter courses

List the current courses by number and title that are to be subsumed into proposed course
EduPAES 360: Kinesiology; EduPAES 361: Kinesiology Lab.

*** CONVERSION NOTE: For degree audit purposes, students with credit for EduPAES 361 will receive
audit credit for EduPAES 2360. Content of EduPAES 2360 is derived from both listed quarter co

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors
The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes
Content Topic List

• Substance abuse and its affect on movement and coordination
• Series of events involved in skeletal muscle development and implications for development and maintenance of joint force and velocity if sarcomeres are arranged in parallel or in series
• Functional significance of the four major sarcomeric proteins as they relate to the movement of a joint
• Series of events that occur at the neuromuscular junction that permit skeletal muscle cells to contract and produce force and velocity around a joint
• Four steps involved in the cross-bridge cycle as they relate to the development and maintenance of force and velocity during joint movement
• Components and functional significance of motor units as they relate to the development and maintenance of force and velocity during joint movement
• Relationship between: a.) velocity and duration; b.) velocity and force; and c.) force and duration
• Anatomical and functional implications of skeletal muscle fiber architecture as it relates to the development and maintenance of force and velocity during joint movement
• Adaptations that occur to skeletal muscle during the aging process as it relates to the development and maintenance of force and velocity during joint movement
• Adaptations that occur to skeletal muscle as a result of practicing physical activities with a bias toward 1) high levels of neural recruitment of skeletal muscle fibers and 2) high levels of force development
• Stimuli for skeletal muscle hypertrophy and the process of skeletal muscle regeneration and skeletal muscle damage

Attachments

Comments

Workflow Information

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