Section 1. Course Title and Description

Prefix & No: PE 454L
Course Title: Biomechanics Lab
Credits: 0

Course Description:
This laboratory course is designed to facilitate hands-on application of the major biomechanical principles discussed in PE 454. Students will gain experience with various instrumentation and methodology techniques used in biomechanics laboratories and other career settings.

_______________
Co-requisite for PE 454 at SDSU

Section 2. Review of Course

Will this be a common or unique course? (select the appropriate option below)

X This course will be a unique course. (Go to Section 3.)

Section 3. Other Course Information

1. Are there instructional staffing impacts?
   _____ X ____ X Yes. Specify: Existing faculty with the assistance of a graduate teaching assistant.

2. Existing program in which course will be offered:
   BS in Athletic Training, Exercise Science, Physical Education -Teacher Education

3. Proposed instructional method: L - Lab
   Provide a brief justification: Students will be participating in skill acquisition related to human movement (including muscular and skeletal principles) during physical education, wellness, and sport.

4. Proposed primary delivery: Face to face

5. Term in which change will be effective: Fall 2013

6. Can this course be repeated for additional credit? No

7. Will the grade for this course be limited to S/U (pass/fail)? _____ Yes _____ X No

8. Will section enrollments be capped? Yes, maximum per section 15

9. Will this course be equated (i.e. considered the same course for degree completion) with any other unique or common course in the course database? _____ Yes _____ X No

10. Is this prefix already approved for your university? _____ X Yes _____ No
Section 4. To be completed by Academic Affairs

1. University department code: SHNS

2. Proposed CIP code: 310505
   Is this a new CIP code for this university? Yes X No

NEW COURSE REQUEST
Supporting Justification for On-Campus Review

Bradley Bowser Bradley Bowser 04/04/13
Request Originator Signature Date

Matthew Vukovich Matthew Vukovich 04/05/13
Department Chair Signature Date

Jane Hegland Matthew Vukovich 04/05/13
School/College Dean Signature Date

1. Provide specific reasons for the proposal of this course and explain how the changes enhance the curriculum.

   The addition of a 0 credit lab to PE 454 would provide time necessary to introduce, practice, and evaluate the course content that is necessary to complement the cognitive content currently taught in this course. The laboratory curriculum is tied to lecture and will provide students the hands on experiences need to understand the mechanical and anatomical principles that govern human motion and develop the ability to link the structure of the body with its function from a mechanical perspective. Adding a 0 credit lab would not increase the cost to students but we are proposing a lab fee be associated to cover the expense of consumable supplies and for maintenance of equipment.

2. Note whether this course is: X Required _______ Elective

3. In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course?
   Students in Athletic Training, Exercise Science, and Physical Education Teacher Education are required to take this course.

4. If this will be a dual listed course, indicate how the distinction between the two levels will be made.
   N/A

5. Desired section size 15

6. Provide qualifications of faculty who will teach this course. List name(s), rank(s), and degree(s).
   Bradley Bowser, Assistant Professor of Health and Nutritional Sciences, PhD

7. Note whether adequate facilities are available and list any special equipment that will be needed for the course.
   Yes, adequate facilities are available. The 40’ x 20’ biomechanics laboratory includes, an 8 camera motion capture system, 3 ground reaction force plates, 16 channel wireless EMG system, 2 photo timing systems, 2 dedicated work station computers, and a variety of anthropometric measurement tools.

8. Note whether adequate library and media support are available for the course.
   Yes, Adequate library and media support are available.

9. Will the new course duplicate courses currently being offered on this campus?
   No

10. If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined.
    NA

11. Add any additional comments that will aid in the evaluation of this request.
    This course will be a section-level co-requisite for PE 454 at SDSU only.