

Date of request: 27-SEP-2021

Request ID: E-2021-HPHE-103

College: E

Department: HPHE

Initiator name: Nicholas Hanson

Initiator email: nicholas.hanson@wmich.edu

Proposed effective term: 202240

Does course need General Education approval?: N

Will course be used in teacher education?: N

If 5000 level course, prerequisites apply to: G

Proposed course data:

Change Course HPHE 6730

Specific Course Change type selected: Title

1. Existing course prefix and number:

HPHE 6730

2. Proposed course title:

Advanced Biomechanics

3. Existing Banner course title:

Biomechanics

4. Proposed course title to be entered in Banner:

Advanced Biomechanics

A. Please choose Yes or No to indicate if this class is a Teacher Education class:

No

B. Please choose the applicable class level:

Graduate

C. Please respond Yes if this is current or new WMU Essential Studies Course. Otherwise, respond No.

No

D. Explain briefly and clearly the proposed improvement.

Change the title to differentiate from a new undergraduate biomechanics course.

E. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.).

With the new course of the same nature for Biomechanics, faculty decided to clarify nomenclature.

F. List the student learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program.

Students will be able to:

1. Find out the difference between kinematic and kinetic concepts.

2. Demonstrate how linear kinematics and angular kinematics can be used to describe human movements.

4. Demonstrate how linear kinetics and angular kinetics can be used to explain human movements.

5. Apply musculoskeletal modeling to motion analysis.

G. Describe how this curriculum change is a response to student learning assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities. Not applicable. The suggested change is not the result of assessments.

H. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one. Demonstrate that the program you propose is not a duplication of an existing one.

There is no effect on other colleges, departments or programs because only the title of the course is changed.

I. Effect on your department's programs. Show how the proposed change fits with other departmental offerings.

There is no effect on our department because only the title of the course is changed.

J. Effects on enrolled students: are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale. A change in course title will not have an impact on currently enrolled or future enrolled students. The proposed changes will not delay time to graduation. This course is offered every Fall semester.

K. Student or external market demand. What is your anticipated student audience? What evidence of student or market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?
Most Physical Therapy, Occupational Therapy, and Rehabilitation clinics are equipped with biomechanical assessment devices. Thus, market demand for this course is high. My anticipated students would be the ones who want to equally develop their professional careers in both exercise physiology and biomechanics. The estimated enrollment would be 10.

L. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.) There is no effect on resources because this course continues to be taught by appropriate faculty with the existing resources.

M. With the change from General Education to WMU Essential Studies, this question is no longer used.

For courses requesting approval as a WMU Essential Studies course, a syllabus identifying the student learning outcomes and an action plan for assessing the student learning outcomes must be attached in the Banner Workflow system.

Not Applicable

N. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section.

n/a

O. Current catalog copy:

This course consists of an in depth discussion of biomechanics as it is applied to sports and other related physical activities.

P. Proposed catalog copy:

This course consists of an in-depth discussion of biomechanics as it is applied to sports and other related physical activities.

Department Curriculum Chair approver: Carol Weideman

Department Curriculum Chair comment:

Date: 28-SEP-2021

Department approver: Yuanlong Liu

Chair comment:

Date: 28-SEP-2021