DATE: March 22, 2001

TO: Dr. James Holsinger
    Chancellor, Medical Center

FROM: Charles F. Knapp, Ph.D.
      Director, Center for Biomedical Engineering

SUBJECT: Proposed Curriculum Revision, New Course, and Course Change

The faculty of the Center for Biomedical Engineering submits for your consideration the attached M. S. curriculum revisions; new course, and course change.

attachment
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Graduate School ___________________________ Date March 15, 2001

   Department/Division offering course Center for Biomedical Engineering

2. Changes proposed:
   (a) Present prefix & number BME 672 Proposed prefix & number __________________________
   (b) Present Title Biomechanics II
   New Title Musculoskeletal Biomechanics
   (c) If course title is changed and exceeds 24 characters (including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:
   (d) Present credits: 3 Proposed credits: __________________________
   (e) Current lecture: laboratory ratio Proposed:
   (f) Effective Date of Change: (Semester & Year) Fall 2001

3. To be Cross-listed as:

4. Proposed change in Bulletin description:
   (a) Present description (including prerequisite(s):
       Application of laws of mechanics to study behavior of human organ systems. Whole body biodynamics, analysis of gait, fluid mechanics of circulation, steady and pulsatile flow in large vessels and circulation, reology of blood and fluids.
   (b) New description:
       Application of laws of mechanics to study behavior of human musculoskeletal system. Materials science of bone, muscle, tendon are integrated into static and dynamic analyses of isolated (e.g., foot, arm, and hand) and whole body segment
   (c) Prerequisite(s) for course as changed:

5. What has prompted this proposal?

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:

7. What other departments could be affected by the proposed change?
   None

8. Will changing this course change the degree requirements in one or more programs?*
   □ Yes ☑ No
   If yes, please attach an explanation of the change.*

9. Is this course currently included in the University Studies Program?
   □ Yes ☑ No
   If yes, please attach correspondence indicating concurrence of the University Studies Committee.

10. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.
11. Is this a minor change?  
   (NOTE: See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

   □ Yes  □ No

12. Within the Department, who should be consulted for further information on the proposed course change?

   Name: David Pienkowski
   Phone Extension: 7-8101

   Signatures of Approval:

   Date  Date  Date

   **Undergraduate Council

   **Graduate Council

   **Academic Council for the Medical Center

   **Senate Council

   **If applicable, as provided by the Rules of the University Senate.

   ACTION OTHER THAN APPROVAL

   The Minor Change route for courses is provided as a mechanism to make changes in existing courses and is limited to one or more of the following:

   a. change in number within the same hundred series;
   b. editorial change in description which does not imply change in content or emphasis;
   c. editorial change in title which does not imply change in content or emphasis;
   d. change in prerequisite which does not imply change in content or emphasis;
   e. cross-listing of courses under conditions set forth in item 3.0;
   f. correction of typographical errors. [University Senate Rules, Section III - 3.1]