MEMORANDUM

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 NEW COURSE

1. Submitted by College of Graduate School ___________________________ Date ___________________________
   Department/Division offering course Center for Biomedical Engineering ___________________________

2. Proposed designation and Bulletin description of this course
   a. Prefix and Number  BME 774  
   b. Title*  Graduate BME Seminar  
      *NOTE: If the title is longer than 24 characters (including spaces), write a sensible title (not exceeding 24 characters) for use on transcripts ___________________________
   c. Lecture/Discussion hours per week 1 ___________________________ d. Laboratory hours per week ___________________________
   e. Studio hours per week ___________________________ f. Credits 0-1 ___________________________
   g. Course description
      Scientists and engineers present current research in biomedical engineering.
      Students are required to prepare for and deliver a seminar on their own research.
   h. Prerequisites (if any)
      Graduate standing in Biomedical Engineering or consent of instructor.
   i. May be repeated to a maximum of 4 credits ___________________________ (if applicable)

4. To be cross-listed as ___________________________ 
   Prefix and Number ___________________________ Signature, Chairman, cross-listing department ___________________________

5. Effective Date  Fall 2001  (semester and year) ___________________________

6. Course to be offered  ☑ Fall  ☑ Spring  ☐ Summer ___________________________

7. Will the course be offered each year? (Explain if not annually)  ☑ Yes  ☐ No ___________________________

8. Why is this course needed?
   To enhance graduate training by strengthening the ability of our graduate students to deliver effective oral presentations.

9. a. By whom will the course be taught?  BME faculty; coordinated by DGS ___________________________
   b. Are facilities for teaching the course now available?  ☑ Yes  ☐ No 
      If not, what plans have been made for providing them? ___________________________
10. What enrollment may be reasonably anticipated? 5-10

11. Will this course serve students in the Department primarily? [✓] Yes [ ] No
   Will it be of service to a significant number of students outside the Department? [✓] Yes [ ] No
   The multidisciplinary nature of biomedical engineering frequently draws students from outside the Center.

   Will the course serve as a University Studies Program course? [ ] Yes [✓] No
   If yes, under what Area?

12. Check the category most applicable to this course
   [✓] traditional; offered in corresponding departments elsewhere;
   [ ] relatively new, now being widely established
   [ ] not yet to be found in many (or any) other universities

13. Is this course part of a proposed new program: [ ] Yes [✓] No
   If yes, which?

14. Will adding this course change the degree requirements in one or more programs?* [ ] Yes [✓] No
   If yes, explain the change(s) below

15. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

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

17. Within the Department, who should be contacted for further information about the proposed course?
   Name Charles Knapp or David Puleo Phone Extension 7-8101

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.
Signatures of Approval:

Department Chair

Dean of the College

*Undergraduate Council

*University Studies

*Graduate Council

*Academic Council for the Medical Center

*Senate Council (Chair)

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

Date of Notice to the Faculty

Date

Date

Date

Date

Date of Notice to University Senate

ACTION OTHER THAN APPROVAL
BME 774
Graduate BME Seminar
Fall 2001

Class Meetings: Mondays, 4:00 - 5:00 PM
19 Wenner-Gren Research Laboratory

Coordinator: David Puleo, Ph.D.
Director of Graduate Studies

Office: 205 Wenner-Gren Research Lab
Phone: 257-2405

Course Grade:
- attendance 25%
- seminar presentation 75%

Attendance: Attendance at all regularly scheduled seminars is mandatory. At times, seminars will be held at special times to accommodate presentations by distinguished visitors. Attendance is also required at these seminars. Excused absences will be considered in circumstances such as the following: (a) conflict of specially scheduled seminars with classes or (b) travel to a scientific meeting. The course coordinator must be notified in advance of expected absences.

Seminar: Each student will prepare for and deliver a complete seminar on their research. The grade will be based on the style of the oral presentation, the quality of the visual media used, and the scientific content. Evaluations will be conducted by a committee of not less than three faculty members of the Center for Biomedical Engineering.
Course Description
Scientists and engineers present current research in biomedical engineering. Students are required to prepare for and deliver a seminar on their own research.

Objectives

1) To expose students to the diverse specialties within the field of biomedical engineering through seminars given by distinguished visitors, campus faculty, and fellow students.

2) To enhance student understanding of the engineering principles being applied to address biomedical problems.

3) To strengthen the oral communication skills of students by preparing for and delivering a seminar on their research.