September 4, 2001

Douglass S. Kalika, Ph.D., Chair
Graduate Council
359 Patterson Office Tower
CAMPUS 0027

Dear Dr. Kalika:

At its meeting on August 28, 2001, the Academic Council for the Medical Center approved, and recommends approval by the Graduate Council, for the proposals from the College of Allied Health Professions to change AT 660, Directed Study in Athletic Training; AT 670, Scientific Inquiry in Athletic Training I; and, AT 695, Advanced Seminar in Athletic Training; and to add AT 671, Scientific Inquiry in Athletic Training II; AT 672, Scientific Inquiry in Athletic Training III; AT 673, Scientific Inquiry in Athletic Training; AT 680, Special Topics in Athletic Training (With Subtitle); and, AT 690, Orthopaedic Evaluation in Athletic Training.

Thank you for your attention to this request.

Sincerely,

Phyllis P. Nash, Ed.D.
Associate Vice President for Academic and Student Affairs

PPN:co

Attachments

c: Thomas C. Robinson, Ph.D.
   Lori S. Gonzalez, Ph.D.
   Jacque Hager
   Cindy Todd
July 26, 2001

MEMORANDUM

TO: James W. Holsinger Jr., MD, Chancellor
    UKMC

FR: Lori S. Gonzalez, Ph.D.
    Associate Dean for Academic Affairs

RE: Course Changes & New Course Proposals for Division of Athletic Training

The College of Allied Health Professions Academic Affairs Committee recommends approval of the following course changes and new course proposals.

Course Changes:

AT 660 Directed Study in Athletic Training
- Change from 3 credits to 1 to 3 credits (variable)
- Rationale: Change is based on the need to make the credit hours more flexible and dependent on the depth of the directed study. Credit will be based on the scope of the directed study.

AT 670 Research & Special Topics in Athletic Training
- Change title to Scientific Inquiry in Athletic Training I
- Removal of special topics component to a separate course
- Rationale: based on the need to for a separate special topics course and the need to reflect a series of courses to address the research needs of the program.

AT 695 Advanced Seminar in Athletic Training
- Change title to Rehabilitation Concepts in Athletic Training; removal of material related to musculoskeletal evaluation.
- Rationale: based on need to create a separate rehabilitation and evaluation course for graduate athletic training students.

New Course Proposals:

AT 671 Scientific Inquiry in Athletic Training II
- Credits: 2
- Course Description: The second course of a four part series that will develop skills and a knowledge base that will aid the student while conducting and critically reviewing research in athletic training. Coursework will address the methodological procedures of designing and pursuing research in athletic training. The importance of pursuing quality research will be stressed and the procedures necessary to complete the process will be presented.
- Rationale: based on the need to reflect a series of courses to address the research needs of the program. There exists a need for a series of courses to address research skills as students move through the program.

AT 672 Scientific Inquiry in Athletic Training III
- Credits: 2
- Course Description: The third course of a four part series that will develop skills and a knowledge base that will aid the student while conducting and critically reviewing research in athletic training. Coursework will address the design of research and synthesis of data in athletic training. The
importance of pursuing quality research will be stressed and the procedures necessary to complete the process will be presented.

- Rationale: Based on the need to reflect a series of courses to address the research needs of the program. There exists a need for a series of courses to address research skills as students move through the program.

**AT 673 Scientific Inquiry in Athletic Training IV**

- **Credits:** 2
- **Course Description:** The final course of a four-part series that will develop skills and a knowledge base that will aid the student while conducting and critically reviewing research in athletic training. Coursework will focus on developing the skills needed to critically synthesize material with accepted practice, and prepare professional presentations using acquired data and an appropriate statistical analysis. Address the methodological procedures of designing and pursuing research in athletic training. The importance of pursuing quality research will be stressed and the procedures necessary to complete the process will be presented.
- **Rationale:** Based on the need to reflect a series of courses to address the research needs of the program. There exists a need for a series of courses to address research skills as students move through the program.

**AT 680 Special Topics in Athletic Training:** (With Subtitle)

- **Credits:** 1-3 (variable), may be repeated to a maximum of 9 credits.
- **Course Description:** Study of emerging topics of current high interest in athletic training.
- **Prerequisites:** Graduate standing and consent of instructor.
- **Rationale:** Course is designed to meet the academic mission of the emphasis in Athletic Training.

**AT 690 Orthopaedic Evaluation in Athletic Training**

- **Credits:** 3 (2 hours lecture, 2 hours lab)
- **Description:** A regional study of orthopedic evaluation, assessment, and clinical decision making for the spine and peripheral joints. Lecture and laboratory experiences are focused on demonstrations and performance of evaluation of regional areas. Assessment skills and differential diagnosis will be discussed along with problem solving experiences. This course will provide the student with the experience of preparing a case presentation in both a written and oral format. Prerequisites: Graduate standing and consent of instructor.
- **Rationale:** Course is designed to meet the academic mission of the emphasis in Athletic Training.

CONTACT PERSON: Carl Mattacola, Ph.D., Division Director, Athletic Training. 323-1100, ext. 267
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Allied Health Professions Date March 4, 2001
   Department/Division offering course Dept. of Clinical Sciences: Division of Athletic Training

2. Changes proposed:
   (a) Present prefix & number AT 660 Proposed prefix & number AT 660
   (b) Present Title Directed Study in Athletic Training
       New Title
   (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:
       Directed Study in AT
   (d) Present credits: 3 Proposed credits: 1-3 (variable) *
   (e) Current lecture: laboratory ratio N/A Proposed: variable (3 lab hr=1 lec hr)
   (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)):
       A specific topic in Athletic Training related to the student's interests is selected for intensive study. Work to be supervised by a graduate faculty member proficient in the area under investigation. Repeatable to a maximum of 6 credits.
   (b) New description:
       Same as above
   (c) Prerequisite(s) for course as changed: Graduate standing and consent of instructor

5. What has prompted this proposal?
   A need to make the credit hours more flexible and dependent on the depth of the directed study.

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?

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

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

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

* Credit will be dependent on the scope of the directed study

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.
11. Is this a minor change?  
   [ ] Yes [ ] No  
   (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.)

12. Within the Department, who should be consulted for further information on the proposed course change?  
   Name: Carl G. Mattacola, PhD, ATC  
   Phone Extension: 3-1100 ext 267

Signatures of Approval:

[Signature]
Department Chair

[Signature]
Dean of the College

**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

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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]
DIRECTED STUDY IN ATHLETIC TRAINING

Course Description:
A specific topic in Athletic Training related to the students interests is selected for intensive study. Work is to be supervised by a graduate faculty member proficient in the area under investigation.

Course Objectives:
A list of course objectives will be agreed upon by the student and faculty member prior to the start of the semester. Included in these objectives will be the expectations of the directed study and a time-line outlining dates of completion for each objective. Criteria for grading will be determined by satisfactory completion of the objectives. Following mutual understanding of the course objectives, the expected time-line, and the criteria for grading, the student and faculty member will sign the agreement and it will exist as a binding contract.

Example: Title of the Directed Study: Dynamic stabilization of the lower limb in non-injured athletes.

Purpose: Compare stabilization times for maximum single-leg hop test. Stability is defined as the ability to transfer the vertical projection of the center of gravity to the supporting base and keep the knee still.

Background: Previously reported stabilization times for the lower extremity have used the distance from the greater trochanter of the femur to the ground as distance for the single-leg hop functional test. Reported stabilization times for injured and non-injured extremities were not significantly different. The lack of differences may have been due to the difficulty of the test. Therefore, a new protocol that will be more challenging will be examined for this directed study in athletic training.

Objectives:
1.) Review the Literature and provide an annotated bibliography for the following topics: (Due 9-30-2000)
   a.) Lower Extremity Functional Tests
      ACL Injured
      ACL Deficient
      Uninjured
   b.) Force Plate Evaluation
   c.) Dynamic Posturography
      Normative Values for the Neurocom Balance System
2.) Create a written protocol for evaluation of Lower Limb Stability using the Neurocom Balance System (Due 10-13-2000)
3.) Demonstrate proficiency at performing a balance evaluation using the Neurocom Balance System (Due 10-20-2000)
   Proficiency will be assessed by (1) the Faculty member observing a full evaluation and (2) with data from the student who will present his/her written comparison of values to normative values provided by Neurocom for:
      The Sensory Organization Test
      Single-Limb Stance
4.) The student will perform and record lower-limb stabilization values for 20 uninjured athletes. (Due 11-17-2000)
5.) The student will process all data into an acceptable form to be used for data analysis (Due 12-1-2000)
5.) The student will download and enter data from the evaluations into a statistical database (SPSS). (Due 12-1-2000)
6.) The student will compare descriptive statistics from the aforementioned protocol to previously reported data in the medical literature and report that comparison as a four to five page Discussion. (Due 12-15-2000)

The student will receive written and oral feedback for each of the above mentioned objectives.