At its meeting on May 22, 2001, the Academic Council for the Medical Center approved, and recommends approval by the Graduate Council, for the proposal from the College of Allied Health Professions to add CSC 528, Laboratory Techniques for Non-CLS Students.

CSC 528 is designed for students enrolling in education programs in Reproductive Laboratory Science (RLS), who do not have acceptable laboratory experience to complete RLS laboratory exercises in andrology, reproductive immunology, cryobiology and assisted reproductive technology (ART) or embryology. The Master of Science in Clinical Sciences with a track in RLS requires that applicants have a bachelor of science degree, and the RLS Graduate Certificate, which is offered during the 8-week summer session, requires students to have a bachelor's degree and acceptable laboratory experience (as determined by the Admissions Committee).

Applicants for either the Master's degree or the RLS Graduate Certificate who are not prepared for the required RLS laboratories must enroll in CSC 528, which will be offered during the fall semester. Candidates needing CSC for the RLS Graduate Certificate must complete the course prior to entering the RLS Graduate Certificate. Students enrolled in the MS program may enroll in CSC 528 either prior to entering the program or during the first semester of study. CSC 528 may be taken concurrently with CSC 620 or andrology (the only RLS course offered during the first semester of the Master's program). The laboratory exercises for CSC 528 which are necessary for andrology will be scheduled early in the semester, and andrology exercises requiring skills learned in CSC 528 will be scheduled during the latter part of the semester.

Thank you for your attention to this request.

Sincerely,

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

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attachments

c:  Thomas C. Robinson, Ph.D.
    Lori S. Gonzalez, Ph.D.
    Jacque Hager
    Cindy Todd
April 19, 2001

MEMORANDUM

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

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

RE: New Course Proposal, CSC 528 for Clinical Laboratory Science Master's Degree Program

The College of Allied Health Professions Academic Affairs Committee recommends approval of the following new course proposal for CSC 528 – Laboratory Techniques for Non-CLS Students.

COURSE DESCRIPTION
Basic clinical laboratory principles and techniques; includes laboratory safety, sterilization procedures, pipetting, microscopy, routine culture and staining procedures, chamber counts, laboratory math calculations and statistics, quality control, quality assurance, chain of custody and laboratory reporting. Consent of instructor required for non-CSC students.

This course is a required prerequisite for non-clinical laboratory science students planning to enter the Reproductive Laboratory Science track in the CSC graduate program. Students entering the Master's program may not have basic laboratory skills needed for completion of the advanced degree. This laboratory course is designed to provide this basic knowledge and skill.

CONTACT PERSONNEL
Doris Baker, RLS Program Director  323-1100, extension 241
Ray Olesinski, Division Director  323-1100, extension 291
April 19, 2001

MEMORANDUM

TO: Deans, Department Chairs, and Members of the University Senate

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

RE: New Course Proposal, CSC 528 for Clinical Laboratory Science Master's Degree Program

The College of Allied Health Professions Academic Affairs Committee recommends approval of the following new course proposal for CSC 528 – Laboratory Techniques for Non-CLS Students.

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This course is a required prerequisite for non-clinical laboratory science students planning to enter the Reproductive Laboratory Science track in the CSC graduate program. Students entering the Master's program may not have basic laboratory skills needed for completion of the advanced degree. This laboratory course is designed to provide this basic knowledge and skill.

CONTACT PERSONNEL
Doris Baker, RLS Program Director 323-1100, extension 241
Ray Olesinski, Division Director 323-1100, extension 291
Date: April 9, 2001

To: Thomas Robinson, Dean

From: Jean Brickell
    Chair, Academic Affairs Committee

Re: Proposal for New Course: CSC 528, Laboratory Techniques for Non-CLS students

The Academic Affairs Committee has reviewed the proposal for the new course: CSC 528, Laboratory Techniques for Non-CLS students. Dr. Baker has responded to our request for revisions. The Academic Affairs Committee supports the revised proposal for the new course CSC 528, Laboratory Techniques for Non-CLS Students and recommends it for your action.
APPLICATION FOR NEW COURSE

1. Submitted by College of Allied Health Professions Date March 27, 2001

Department/Division offering course Clinical Sciences-CLS

2. Proposed designation and Bulletin description of this course:

(a) CSC 528 (b) Laboratory Techniques for Non-CLS students
Prefix and Number Title*

(c) ___________ (d) __6__ Lecture/Discussion hours per week Laboratory hours per week

(e) ___________ (f) __2__ Studio hours per week Credits

(g) Course Description:
CSC 528 - Laboratory Techniques 2 hours - a required prerequisite for non-clinical laboratory science students planning to enter the Reproductive Laboratory Science track in the CSC graduate program. Basic clinical laboratory principles and techniques; includes laboratory safety, sterilization procedures, pipetting, microscopy, routine culture and staining procedures, chamber counts, laboratory math calculations and statistics, quality control, quality assurance, chain of custody and laboratory reporting. Consent of instructor required for non-CSC students.

(h) Prerequisites (if any): none

(i) May be repeated to a maximum of n/a (if applicable)

4. To be cross-listed as:
Prefix & No. Signature, Chairman, cross-listing department

5. Effective Date: __Fall, 2001___________ (semester and year)

6. Course to be offered (a) x (b) (c) 
   Fall Spring Summer

7. Will the course be offered each year? __Yes__, less frequently (Explain if not annually):

8. Why is this course needed: For students entering the graduate program in Clinical Sciences who do not have a degree or certification in Clinical Laboratory Science. The course will introduce students, unfamiliar with clinical laboratory science practices, to basic laboratory principles and techniques necessary for successful completion of tracks in the Clinical Sciences graduate degree program.

*NOTE: If the title is longer than 24 characters (including spaces), write a sensible title (not exceeding 24 characters) for use on transcript:

Intro Lab Techniques
9. (a) By whom will the course be taught? _Staff_
(b) Are facilities for teaching the course now available?
   _____ yes

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_

   Will it be of service to a significant number of students outside the Department? _No_ If so, explain

   Will the course serve as a University Studies Program course? _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
   _____ X not yet to be found in many (or any) other universities

13. Is this course part of a proposed new program? _No_ If yes,

   which?

14. Will adding this course change the degree requirements in one or more programs? _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 and Phone Extension: _Dr. Doris Baker 3-1100 ext. 241_

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.*
12. Use proper techniques for microscopy introduced in the course.
13. Accurately construct, plot and evaluate quality control charts.
14. Accurately perform basic laboratory math calculations.
15. Describe proper "chain of custody" procedures for laboratory specimens.
16. Generate written reports including tables using word processor software.
17. Differentiate quality control and quality assurance.
18. Describe a quality assurance program.

3301C-19&21
Revised: July 17, 1989
Objectives

By the end of the course, the student will demonstrate that he/she can/will:

1. Observe all safety rules while working in the clinical laboratory.
2. Use aseptic technique in laboratory procedures.
3. Choose the correct pipette for the intended purpose.
4. Pipette accurately and efficiently.
5. Make accurate dilutions and calculations for specific purposes.
6. Accurately perform counts using the Neubauer hemacytometer and the Makler counting chambers.
7. Successfully isolate a bacterial colony through plate streaking techniques.
8. Make gram stains according to the required standards and accurately interpret the results.
9. Describe various staining techniques used in clinical laboratory procedures.
10. Describe the various types of microscopy (light, phase, fluorescent, EM) and discuss when each should be used.
11. Completely describe the light microscope.