MEMORANDUM

TO: James W. Holsinger, Jr., M.D., Chair
Medical Center Academic Council
Deans, Department Chairs, and Members of the Senate

FROM: Sharon R. Stewart, Ed.D.
Acting Associate Dean, College of Health Sciences

TOPIC: Application for Change in Existing Course – CSC 630: RLS Research for MS

DATE: March 21, 2003

The College of Health Sciences recommends for your approval the following change in an existing course:

CSC 630: RLS Research for MS

**Proposed Change**: Change from 3-5 credits to 1-5 credits.

**Rationale**: The present requirement that this be a 3-5 credit hour course is limiting to the students who wish to take the course for 1 or 2 credits due to scheduling and availability of other courses. This situation has already been an issue. We do not want to over burden students or discourage those who already taking a full course load but who would like to begin their research. The proposed change does not affect the minimum total number of CSC 630 credits required (3 cr. hr. minimum or more depending on the individual student), and the course can be repeated.

**Contact person**: Doris J. Baker, Ph.D.
Ph.: 323-1100, ext 80854
1. Submitted by College of  Health Sciences Date 2/12/03
   Department/Division offering course Clinical Sciences

2. Changes proposed:
   (a) Present prefix & number  CSC 630 Proposed prefix & number CSC 630
   (b) Present Title RLS Research for M.S.
       New Title RLS Research
   (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: 3-5 Proposed credits: 1-5
   (e) Current lecture: laboratory ratio n/a Proposed:
   (f) Effective Date of Change: (Semester & Year) Fall, 2003

3. To be Cross-listed as:
   Prefix and Number
   Signature: Department Chair

4. Proposed change in Bulletin description:
   (a) Present description (including prerequisite(s)):
       Research projects for students in Reproductive Laboratory Science will be registered under this course. Projects should be related to the student's individual interest and should be under the supervision of the appropriate faculty member. Prerequisite: completion of the CSC core courses; additional CSC RLS courses dictated by the research project.

   (b) New description:
       Course Description: CSC 630 RLS Research: 1-5 credit hours. Prerequisites: CSC 528, CSC 615, CSC 616, and CSC 617 or consent of instructor. Additional CSC courses in the RLS track may be required as prerequisites depending on the nature of the research project. Students will complete web-based modules, “The Scientific Method and the Art of Research” prior to project initiation. Projects should be related to the student's individual interest and should address an area in reproductive laboratory science. Projects should be under the supervision of a faculty member with expertise in the project area.

   (c) Prerequisite(s) for course as changed:
       CSC 528, CSC 615, CSC 616, CSC 617 or consent of instructor. Additional CSC courses in the RLS track may be required depending on the nature of the research project.

5. What has prompted this proposal?
   CSC 630 is presently offered as 3-5 credit hour course. We have found that this credit hour range limits flexibility in scheduling to meet student needs. Changing the variable credits to 1-5 hours would allow creative scheduling sequencing. This would allow students to begin projects early or to extend projects. Grading is based on minimum requirements in the program (3 credit hours minimum for research).

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
   N/A
UNIVERSITY OF KENTUCKY
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

7. What other departments could be affected by the proposed change?
N/A

8. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky?
☑ Yes ☐ No

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

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

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

12. 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.)

13. Within the Department, who should be consulted for further information on the proposed course change?
Name: Doris J. Baker, Ph.D.
______________________________ Phone 323-1100 X 80854
______________________________ Extension: ____________________________

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.
**If applicable, as provided by the Rules of the University Senate.

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]

Rev 8/02
CSC 630 – RLS RESEARCH

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Course Description: CSC 630 RLS: 1-5 credit hours. Prerequisites: CSC 528, CSC 615, CSC 616, and CSC 617 or consent of instructor. Additional RLS courses may be required as prerequisites depending on the nature of the research project. Students will complete a web-based modules, “The Scientific Method and the Art of Research”. Projects should be related to the student's individual interest and should be under the supervision of the appropriate faculty member.

Objectives: By the end of the course, the student will demonstrate that he/she will/can:
At the end of this course the student should be able to:

- Describe the components of the scientific method to include to include formulating the research question and hypothesis development
- Demonstrate an understanding of basic research principles
- Conduct a thorough search of the scientific literature
- Evaluate literature Select a research project Complete an IRB application if required
- Determine steps to complete defined project
- Outline laboratory procedures for project
- Determine statistical analysis for research project
- Conduct laboratory work under direction of advisor
- Maintain appropriate records for collected data
- Analyze data
- Work with advisor to determine best way to present data
- Report preliminary results
- Report final results
- Write research paper

REFERENCES:
Books:


Videos:

Sperm Prep, Produced by Fertility Technologies, Inc., Natick, Ma.

Laboratory to Life; the Art and Science of Embryology; Produced by Serono Labs, Norwell, MA, 1994

CD-ROMS


PUBLIC BILLS AND LAWS


GUIDELINES, WORKSHOP SUMMARIES, ACCREDITATION PROGRAMS


Guidelines and newsletters as applicable:

1. American Society for Reproductive Medicine Newsletter
2. The American Fertility Society Guidelines for Practice
3. ASRM Net News
4. Androlog
5. EmbryoMail
6. ARTlog
7. Kaiser Newsletter
8. Alpha International
9. FertiNet

Journals:
American Journal of Obstetrics & Gynecology
American Journal of Reproductive Endocrinology
Andrologia
Biology of Reproduction
Clinical Obstetrics & Gynecology
Contraception
Development
Developmental Biology
Endocrinology Reviews
Fertility & Sterility
Gamete Research
Human Reproduction
International Journal of Developmental Biology
Journal of the American Medical Association
Journal of Andrology
Journal of Assisted Reproduction
Journal of Reproduction & Fertility
Journal of Assisted Reproduction & Genetics
Journal of Clinical Endocrinology & Metabolism
Journal of In Vitro Fertilization & Embryo Transfer
Journal of Microbiology
Journal of Reproduction and Fertility
Journal of Reproductive Medicine
Grading: CSC 630
Assignments – web module 10%
Literature search 10%
Seminar report on preliminary results 20%
Research paper 60%

Grading Scale:
90-100% = A
80-89% = B
70-79% = C
below 70% = E

Course Policies:

- Observe all safety guidelines for research laboratory
- Keep all appointments with research advisor