APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR AND MINOR

1. Submitted by the College of Allied Health Professions Date: 9/26/01

Department/Division offering course Clinical Sciences/Clinical Laboratory Sciences

2. Changes proposed:
   (a) Present prefix & number: CSC 621 Proposed prefix & number: CSC 621
   (d) Present Title Embryology/ART
       New Title Embryology & ART
   (e) If course title is changed and exceeds 24 characters (Including spaces), include sensible title (not to exceed 24 characters) for use on transcripts:
   (d) Present credits: 3 Proposed credits: 3
   (e) Current lecture: laboratory ratio 1:1 Proposed: 1:1
   (g) Effective Date of Change: (Semester & Year) Summer, 2002

11. To be Cross-listed as: _____________________________________

12. Proposed change in Bulletin description:
   (b) Present description (including prerequisite(s): Prerequisites: Bio 549 (Comparative Endocrinology), Bio 544, CSC core, CSC 620. Review of female reproductive system including hormonal control, early development, oogenesis, the menstrual cycle, fertilization and early implantation. Assisted reproductive technology procedures will be discussed with the aid of photographs and videos and laboratories will focus on culturing and manipulating mouse embryos.
   (b) New description:
       Lecture: The course will include a review of the female reproductive system, fertilization and implantation. The procedures appropriate for evaluation of female fertility will be presented and conditions and diseases associated with female factor infertility will be discussed. Basic and advanced tests and procedures for the treatment of infertility will be presented with a focus on assisted reproductive technology procedures, including in vitro fertilization and related procedures, micromanipulation, embryo culture, and third party reproduction. Laboratory: The laboratory will focus on embryo culture and micromanipulation procedures using mouse oocytes and embryos and human spermatozoa. Students will set up quality control for the ART laboratory.
   (c) Prerequisite(s) for course as changes: CSC 528, CSC 615, CSC 616, CSC 617 and CSC 618 or consent of instructor.

5. What has prompted this proposal?

The prerequisites for this course change because the following revisions are being made in the RLS track of the Master of Science in Clinical Science in order to make the program more accessible and increase the number of students enrolled.

- CSC core replaced with a graduate course in statistics and 6-9 graduate hours in science selected from the following areas: physiology, cell biology, embryology, immunology, endocrinology and microbiology; or other science courses deemed appropriate by the RLS graduate committee
- CSC 620 (andrology – 3 credit hours) will be divided:
  o The lecture portion of andrology will be offered as CSC 616 via distance learning
  o The laboratory portion of andrology will be incorporated in the new one-hour modular, campus-based laboratory course, CSC 618 “Labs in Andrology, Reproductive Immunology & Reproductive Microbiology”
The microbiology portion of CSC 620 will be moved; the lecture portion will be included in the new one-hour distance learning course, CSC 617 “Reproductive Immunology & Microbiology”; the microbiology laboratory segment will be incorporated in the new one-hour modular, campus-based laboratory course, CSC 618 “Labs in Andrology, Reproductive Immunology & Reproductive Microbiology”

Review of cell biology, the male reproductive system, and fertilization portions of the course will be covered in CSC 615, “Reproductive Laboratory Science”

CSC 623 (Reproductive Immunology – 1 credit hour) will be dropped. CSC 623 lecture content will be included in the new one-hour distance learning course, CSC 617 “Reproductive Immunology & Microbiology”; the microbiology laboratory segment will be incorporated in the new one-hour modular, campus-based laboratory course, CSC 618 “Labs in Andrology, Reproductive Immunology & Reproductive Microbiology”

The female reproductive system, fertilization and early implantation will be covered in CSC 615. The material will be reviewed in this course. Micromanipulation laboratory procedures will now be included in CSC 621 and both diagnosis and treatment of female factor infertility will be expanded. The new course description reflects these changes.

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

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

8. Will changing this course change the degree requirements in one or more programs? ___yes X no
   If yes, please attach an explanation of the change.*

9. Is this course currently included in the University Studies Program?
   ___ Yes X 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 proposed.

13. Is this a minor change? X 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 Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

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

   Name: Doris J. Baker, Ph.D. Phone Extension: 323-1100 ext. 241
Signatures of Approval:

________________________________________________________        __________________________
Department Chair                                           Date

________________________________________________________        __________________________
Dean of the College                                        Date

________________________________________________________        __________________________
Date of Notice to the Faculty

**Undergraduate Council                                  Date

**Graduate Council                                        Date

**Academic Council for the Medical Center                Date

**Senate Council                                          Date of Notice to
University Senate

**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:

g. change in number within the same hundred series;
h. editorial change in description which does not imply change in content or emphasis;
i. editorial change in title which does not imply change in content or emphasis;
j. change in prerequisite which does not imply change in content or emphasis;
k. cross-listing of courses under conditions set forth in item 3.0;
l. correction of typographical errors. [University Senate Rules III - 3.1]