

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of: Health Sciences Date: April 30, 2003
Department/Division offering course: Clinical Sciences/Clinical Laboratory Sciences
 2. Changes proposed:
 - (a) Present prefix & number: CLS 890 Proposed prefix & number: same
 - (b) Present Title: Independent Laboratory Investigations
New Title: Laboratory Investigation
 - (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: Lab Investigation
 - (d) Present credits: 1-5 Proposed credits: 1-3
 - (e) Current lecture: laboratory ratio: 1:0 Proposed: 1:0 (for 1 credit hour) 1:1 (for 2 credit hour)
 - (f) Effective Date of Change: (Semester & Year): Fall, 2004
 3. To be Cross-listed as: NA

	Prefix and Number	Signature: Department
Chair		
 4. Proposed change in Bulletin description:
 - (a) Present description (including prerequisite(s):
Students will demonstrate knowledge and expertise in CLS through interpretation and integration of CLS issues. Student will analyze laboratory data through patient-focused scenarios and integrate information from multiple laboratory reports for the patient care management. Students will apply the principles of research technique to analyze problems arising from technical methods, disease correlation, or other pertinent problem areas in laboratory sciences and will use library sources, computer skills, and presentation skills in the pursuit of solutions to identified problems. Requirements of the CLS program for CLS 890: total of 3 credit hours.
Pre-requisite: admission into the clinical laboratory sciences program and STA 291 or equivalent
 - (b) New description:
Students will demonstrate knowledge and expertise in CLS through interpretation and integration of CLS issues. Student will analyze laboratory data through patient-focused scenarios and integrate information from multiple laboratory reports for the patient care management. Students will apply the principles of research technique to analyze problems arising from technical methods, disease correlation, or other pertinent problem areas in laboratory sciences and will use library sources, computer skills, and presentation skills in the pursuit of solutions to identified problems.
 - (c) Prerequisite(s) for course as changed: completion of all requirements for the CLS program; may be concurrent
 5. What has prompted this proposal?
This course change is part of an overall program change (a) to improve clinical practice that is guided and reinforced by UK CLS faculty members and (b) to increase program flexibility with regard to students and faculty
 6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
Non-traditional students are required to participate in demonstrations of laboratory testing
 7. What other departments could be affected by the proposed change? None
 8. Will changing this course change the degree requirements in one or more programs?* X-Yes
No
- If yes, please attach an explanation of the change.***
See Request for Change in Undergraduate Program
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.

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11. Is this a minor change? Yes X-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: Jean Brickell Phone Extension: 7-9222 ext 263

Signatures of Approval:

Department Chair *Aris J. Bull* Date *5/27/2003*

Dean of the College *Sharon R. Stewart* Date *5-27-03*

Date of Notice to the Faculty

**Undergraduate Council Date

**Graduate Council Date

**Academic Council for the Medical Center Date *7/8/03*

Terry R. Malone
**Senate Council Date of Notice to University Senate

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

ACTION OTHER THAN APPROVAL

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]

OBJECTIVES FOR CLS 890: LABORATORY INVESTIGATION

Following completion of this course, the student will be able:

1. Discuss the development, establishment, oversight, and performance of the pre-analytical, analytical, and post-analytical phases of testing on body fluids, cells and other specimens.
2. Demonstrate statistical analysis of data for use in laboratory epidemiology, examining the relationships of tests to treatment decisions, and to health care outcomes.
3. Establish and use quality assurance and performance measurements to develop solutions to problems and to assure the validity and accuracy of information concerning laboratory data, generated both within and external to the laboratory.
4. Assess laboratory results
 - a. Discuss utilization of the results of laboratory diagnostic procedures and employ algorithms to achieve optimal, full value patient outcomes.(objective for one credit hour course; requirement for traditional students)
 - b. Given demonstrations of laboratory testing (actual or photographic) demonstrate utilization of the results of laboratory diagnostic procedures and employ algorithms to achieve optimal, full value patient outcomes (objective for 2 credit hour course; requirement for non-traditional students)
5. Use library sources, computer skills, and other research techniques in the pursuit of solutions to identified problems in CLS issues.
6. Communicate findings of CLS integrative analysis by oral and written presentation for problems arising from technical methods, disease correlation, or other pertinent problem areas in laboratory sciences.