

## 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 838                      Proposed prefix & number: same
  - (b) Present Title: Basic Immunohematology  
New Title: same
  - (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: Basic Immunohematology
  - (d) Present credits: 5    Proposed credits: 1
  - (e) Current lecture: laboratory ratio: 2:3                      Proposed: 1:0
  - (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)): Introduction to the principles and practice of blood banking including blood group systems, routine serologic testing, blood collection and processing and component therapy. Prerequisite(s): Admission to the Clinical Laboratory Sciences Program and CLS 835 or equivalent
  - (b) New description: same
  - (c) Prerequisite(s) for course as changed: same
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:  
Psychomotor objectives will be completed in CSC 528 and conical rotation
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.**
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 are proposed.

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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 *Chris J. Bull* Date *5/27/2013*

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*

\*\*Senate Council *Terry R. Malone* 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:

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

Rev 11/98

## OBJECTIVES FOR CLS 838: BASIC IMMUNOHEMATOLOGY

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

1. Discuss antigen/antibody reactions as applied to blood banking, including antibody structure and function, immune response and molecular structure.
2. Discuss the major antigens and clinical significance of the major blood group systems.
3. Describe the principles, techniques, reagents and interpretation of results of routine blood bank procedures.
4. Describe the guidelines for determining acceptable blood donors and deferral period for donors who are disqualified from donation.
5. Discuss the collection, preparation, storage and selection of commonly used blood components.
6. Interpret routine serologic testing including:
  - a. ABO and Rh grouping
  - b. Antibody screening and identification
  - c. Compatibility testing
  - d. Direct antiglobulin testing
7. Interpret basic serological testing on newborns.
8. Discuss the indications for Rh Immune Globulin.
9. Interpret Rh Immune Globulin work-up, including screen for fetal-maternal hemorrhage.
10. Discuss and perform quality control procedures required in immunohematology.
11. Discuss and perform titers on serum containing antibody.
12. Discuss common adverse effects of transfusion.
13. Discuss the clinical conditions that warrant component therapy and the component of choice for each.
14. Describe hazards associated with component therapy and safeguards used to minimize hazards.