

APPLICATION FOR NEW COURSE

1. Submitted by College of Medicine Date March 27, 2007

Department/Division offering course Behavioral Science/College of Public Health

2. Proposed designation and Bulletin description of this course

a. Prefix and Number BSC 731 b. Title\* See Attached

\*NOTE: If the title is longer than 24 characters (including spaces), write  
A sensible title (not exceeding 24 characters) for use on transcripts Method/Tech in CTS

c. Lecture/Discussion hours per week 2.5 d. Laboratory hours per week \_\_\_\_\_

e. Studio hours per week \_\_\_\_\_ f. Credits 3

g. Course description

See Attached

h. Prerequisites (if any)

None

i. May be repeated to a maximum of \_\_\_\_\_ (if applicable)

4. To be cross-listed as CPH 669  
Prefix and Number

*Lucretia Alexander*  
Signature, Chairman, cross-listing department  
*Associate Dean for Academic Affairs*  
(semester and year)

5. Effective Date Spring, 2008

6. Course to be offered  Fall  Spring  Summer

7. Will the course be offered each year?  Yes  No  
(Explain if not annually)

8. Why is this course needed?

This course is needed for a revised graduate certificate in Clinical and Translational Science

9. a. By whom will the course be taught? Thomas Kelly, Mitzi Schumacher, Brian Stevenson

b. Are facilities for teaching the course now available?  Yes  No  
If not, what plans have been made for providing them?

## APPLICATION FOR NEW COURSE

10. What enrollment may be reasonably anticipated? 10 students per year
11. Will this course serve students in the Department primarily?  Yes  No
- Will it be of service to a significant number of students outside the Department?  
If so, explain.  Yes  No
- This course will be a requirement for the Graduate Certificate in Clinical Research Skills - open to graduate and professional students from any college/department**
- 

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

13. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky?  Yes  No
14. Is this course part of a proposed new program:  
If yes, which?  Yes  No
- 

15. Will adding this course change the degree requirements in one or more programs? \*  Yes  No
- If yes, explain the change(s) below

**This course is being added as a modification of the Graduate Certificate in Clinical Research Skills**

---

16. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.
17. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.
18. If the course is 400G or 500 level, include syllabi or course statement showing differentiation for undergraduate and graduate students in assignments, grading criteria, and grading scales.
19. Within the Department, who should be contacted for further information about the proposed course?


Name Thomas H. Kelly


Phone Extension 3-5206


\*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.

**APPLICATION FOR NEW COURSE**

**Signatures of Approval:**

  
Date of Approval by Department Faculty

  
Date of Approval by College Faculty

  
\*Date of Approval by Undergraduate Council - Curriculum Committee

\*Date of Approval by Graduate Council  
8/21/07

\*Date of Approval by Health Care Colleges Council (HCCC)

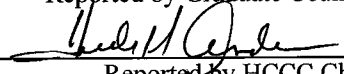
\*Date of Approval by Senate Council

\*Date of Approval by University Senate

  
Reported by Department Chair

  
Reported by College Dean

Reported by Undergraduate Council Chair

Reported by Graduate Council Chair  
  
Reported by HCCC Chair

Reported by Senate Council Office

Reported by Senate Council Office

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

## **Grading Scale for Graduate Students**

100-90% = A

89.9-80% = B

79.9-70% = C

< 69.9% = E

UNIVERSITY OF KENTUCKY COLLEGE OF MEDICINE  
Departments of Behavioral Science  
Methods and Technologies in Clinical & Translational Science  
BSC 731/CPH 669  
Spring Semester, 2008

**Syllabus**

Class meetings

Tuesdays from 1:30 to 4:00 P.M.

Room 104, College of Medicine Office Building (COMOB)

<u>Coordinators</u>	<u>Office</u>	<u>Telephone</u>	<u>e-mail</u>
Thomas H. Kelly	134 COMOB	323-5206	thkelly@uky.edu
Mitzi M. Schumacher, PhD	129 COMOB	323-6075	Mitzi.Schumacher@uky.edu
Brian Stevenson, PhD	MS 421 Wm R. Willard Med Ed Bldg	257-9358	bstev0@uky.edu

Instructors

To Be Announced

Objectives

1. Introduce students to major methods and technologies of clinical & translational science.
2. Enable students to interpret and evaluate research findings using different methods & technologies
3. Enhance appreciation for multidisciplinary approaches to clinical & translational science.
4. Enhance interdisciplinary communication skills.

Course Description

This overview course is designed to introduce student to the major methods and technologies of clinical & translational science. The course will consist of 14 presentations followed by open discussion of the presentation and assigned readings by

class members. The location of classes may change based on the content of the lecture. Homework assignments will provide experiential opportunities to work with the various methods and technologies. Active participation by all members is expected. Each weekly presentation is designed to provide a general overview of the a method or technology commonly used in clinical and translational science. Discussions are intended to integrate the information across traditional disciplinary boundaries. Homework assignments are designed to provide practical experience with the discussion topic.

### Prerequisites

This course is an introductory graduate level course intended for students pursuing focused research training in clinical and translational science. No special prerequisites, other than graduate standing, are necessary.

### Readings

There is no textbook for this course. Copies of assigned readings will be available in the Behavioral Science Reading Room (Room 135, College of Medicine Office Building).

### Course Expectations

1. Attendance and participation in class discussions. Due to the nature of this course, there is no substitute for attendance at each session and participation in class discussions. Unexcused absences will result in a decrease of one full letter grade (i.e., 1 unexcused absence, maximum grade: 'B;' 2 unexcused absences, maximum grade 'C;' etc.). Students will be expected to compensate for excused and unexcused absences in consultation with instructors.
2. Command of assigned readings. Because the course is designed to promote discussion of interdisciplinary implications of research, students have a responsibility to the class as a whole to be prepared for discussion of assigned readings during class sessions.
3. Leadership of assigned discussions. Students will coordinate group discussions on one or more weeks of the semester. As discussion leaders, it will be the student's responsibility to coordinate topics and stimulate productive discussion related to the evening's topic. Discussion topics can be selected in consultation with the instructor for the scheduled session, but it is the responsibility of the student to contact the instructor well in advance of the scheduled class to schedule the consultation. It is expected that the discussion topics will be chosen in order to integrate the information across disciplines. A list of potential discussion topics and a brief description of the intended objectives of each topic should be turned in after the class.

## Grades

Grades will be determined by a combination of class participation and leadership of assigned discussions in the following manner:

	<u>%</u>
Class Participation	50
Discussion Leadership	30
Homework Assignments	20

Progress reports will be provided to students with grades for class participation and discussion leadership every week. Student evaluations of the course are welcome at any time and will be specifically solicited at the end of the course.

### University Policy on Plagiarism and Cheating

PLAGIARISM and CHEATING are serious academic offenses. The minimum penalty for those academic offenses is final grade E in the assignment.

The University regulations pertaining to this matter can be found at <http://www.uky.edu/StudentAffairs/Code/> Of particular relevance is Part II, SELECTED RULES OF THE UNIVERSITY SENATE GOVERNING ACADEMIC RELATIONSHIPS, Section 6.3 that can be found at <http://www.uky.edu/StudentAffairs/Code/part2.html>

These rules in particular say: **PLAGIARISM** All academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about a question of plagiarism involving their work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work, whether it be published article, chapter of a book, a paper from a friend or some file, or whatever. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be. Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources or information, the student must carefully acknowledge exactly what, where and how he/she has employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while

leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain.

6.3.2 CHEATING Cheating is defined by its general usage. It includes, but is not limited to, the wrongfully giving, taking, or presenting any information or material by a student with the intent of aiding himself/herself or another on any academic work which is considered in any way in the determination of the final grade. Any question of definition shall be referred to the University Appeals Board.

### Schedule

January 15	Course Orientation – Introduction to Clinical & Translational Science
January 22	Research Methods – Experimental Design
January 29	Research Methods – Survey Research
February 5	Research Methods – Qualitative Methods
February 12	Research Methods – Community Engagement/Participatory Research, Cultural Sensitivity, Subject Recruitment & Retention
February 19	CTS Technology – Genomics
February 26	CTS Technology – Proteomics
March 4	CTS Technology – Animal Models
March 11	Spring Break
March 18	CTS Technology – Imaging
March 25	CTS Technology – Bench ⇔ Bedside ⇔ Community Translation
April 1	CTS Technology – Clinical Laboratory Studies/Clinical Trials
April 8	CTS Technology – Epidemiology
April 15	CTS Technology – Health Behavior Models
April 22	CTS Technology – Health Services Utilization