APPLICATION FOR NEW COURSE

1. Submitted by College of Engineering
   Department/Division offering course Computer Science
   Date 03/18/2002

2. Proposed designation and Bulletin description of this course
   a. Prefix and Number CS611
   b. Title* Research in Computer Science
      *NOTE: If the title is longer than 24 characters (including spaces), write
      A sensible title (not exceeding 24 characters) for use on transcripts
   c. Lecture/Discussion hours per week
   d. Laboratory hours per week
   e. Studio hours per week
   f. Credits 3 - 9 credits
   g. Course description see attached
   h. Prerequisites (if any)
   Doctoral students who have finished 36 credits of course work
   i. May be repeated to a maximum of 4 semesters (if applicable)

4. To be cross-listed as
   Prefix and Number Signature, Chairman: cross-listing department

5. Effective Date (semester and year)

6. Course to be offered ✔ Fall ✔ Spring ☐ Summer

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

8. Why is this course needed?
   The course will provide students with academic credits for their research work directed
   for and passing of the Departmental qualifying examination

9. a. By whom will the course be taught? see attached
   b. Are facilities for teaching the course now available?
      If not, what plans have been made for providing them?
      ✔ Yes ☐ No
10. What enrollment may be reasonably anticipated?  **10 - 20 students annually**

11. Will this course serve students in the Department primarily?  
   Will it be of service to a significant number of students outside the Department?  
   If so, explain.  
   - Yes  
   - No

12. Will the course serve as a University Studies Program course?  
   - Yes  
   - No

13. Is this course part of a proposed new program?  
   If yes, which?  
   - Yes  
   - No

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

15. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

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

17. Within the Department, who should be contacted for further information about the proposed course?  
   Name: Jun Zhang, Acting DGS  
   Phone Extension: 257-3892

*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:

Department Chair

Dean of the College

Date

Date

Date of Notice to the Faculty

Date of Notice to University Senate

*Undergraduate Council

*University Studies

*Graduate Council

*Academic Council for the Medical Center

*Senate Council (Chair)

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

ACTION OTHER THAN APPROVAL

Rev 11/98
Research Course Proposal

CS 611 Research in Computer Science (3 - 9 Credits)

Course Description
Doctoral students conduct research work in computer science under supervision of a faculty member from the Department of Computer Science. Prerequisites: 36 credit hours of course work in computer science and approval of the Departmental Committee on Higher Degrees.

Background
Doctoral students in computer science who have completed 36 credit hours of course work in computer science conduct research in major fields of computer science including artificial intelligence, computer graphics, computer vision, cryptography, databases, distributed and high-performance computing, multimedia, networking, wireless networks, mobile computing, numerical methods, operating systems, software engineering, theory of computing and algorithm design. The primary goal is to develop research background and results necessary for passing the Departmental qualifying exam.

Eligible Students
Doctoral students in computer science who have completed the requirement of 36 credit hours of course work are eligible for registering for this course, given a prior approval by the Departmental Committee for Higher Degrees.

Supervision
A student registered for this course will be supervised by a faculty member. In most cases, this faculty member will also serve as the director of the student’s Ph.D. dissertation.

Terms
A doctoral student can take this course for a maximum of 4 semesters.
April 4th, 2002

Professor Jun Zhang
E-mail: jzhang@cs.uky.edu
URL: http://www.cs.uky.edu/~jzhang
Tel: (859) 257-3892 (office)
Fax: (859) 323-1971 (office)

Dr. Thomas W. Lester
College of Engineering
University of Kentucky
Lexington KY 40506-0108

Dear Dean Lester:

On behalf of the Department of Computer Science, I am submitting to you a proposal and application for a new course in computer science. This new course, referred to as CS-611, is named Research in Computer Science for 3 to 9 credits per semester. The primary goal of the new course is for graduate students in computer science to develop research background and results necessary for passing the Departmental qualifying exam.

The proposal of this course has been overwhelmingly supported by the computer science faculty. The completed proposal has been discussed and debated by the entire computer science faculty via e-mails between March 13th and March 20th. The votes collected on March 20th are 19 to 0 in favor of the proposed new course. In addition, this course is also favored by our graduate students, as you witnessed during your meeting with Professor Miroslaw Truszczyński, me, and the two graduate student representatives in your office on February 13th, 2002.

We believe that this new course is important for the Department of Computer Science to train our ever increasing number of Ph.D. students. I urge the College of Engineering to approve the proposed new course. If you have any questions, please do not hesitate to contact me.

Sincerely,

Jun Zhang
Acting Director of Graduate Studies